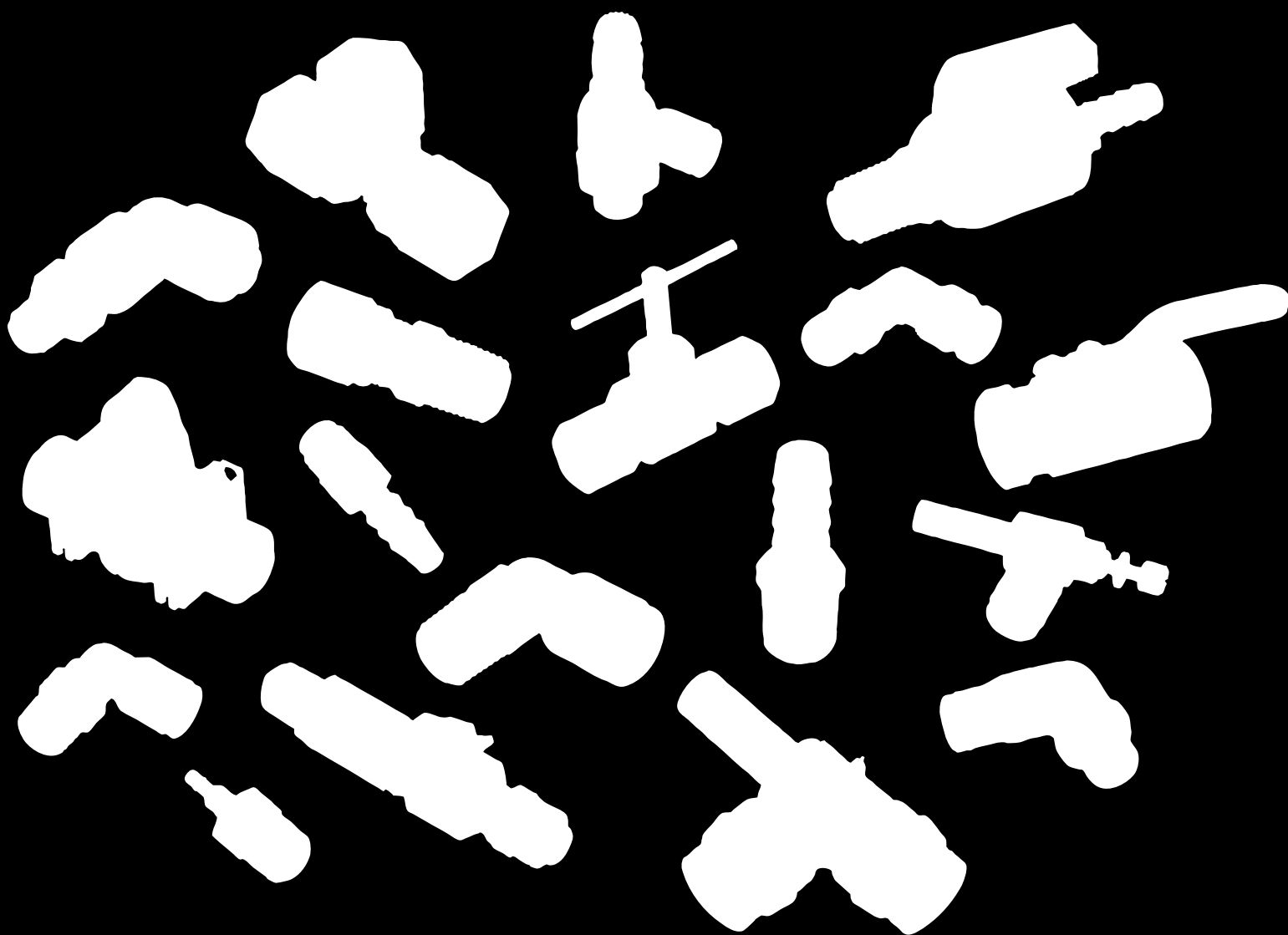




Brass, Composite and

Catalog 3501E USA | June 2020

STIC
VES





OTSEGO, MICHIGAN



TIJUANA, MEXICO



ALBION, INDIANA



LAKEVIEW, MICHIGAN



MESA, ARIZONA

⚠ WARNING – USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

Offer of Sale

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated on the separate page of this document entitled "Offer of Sale".

Safe Drinking Water Act

In accordance with 42 USC § 300g-6, parts in this catalog are to be used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption. The only exceptions are parts described explicitly as "low lead" or suitable for potable water.

DIRECTIVES AND REGULATIONS

Parker complies with the directives and regulations listed below and goes beyond its statutory obligations for the ranges in question.



D.O.T. FMVSS 571.106

Fittings comply with the performance requirements



Fittings meet the requirements of the specific SAE standard called out in the product sections



DIN 74324

Fittings comply with the performance requirements



Fittings are listed under 1 of 3 categories depending on the application. Fittings meet dimensional and testing requirements as specified by Underwriter Laboratories and carry the UL symbol.



ISO 6149-3

Fittings meet the dimensional requirements



REACH regulation: no. 1907/2006

As product manufacturer, we are subject to article 33 of the regulation which defines a duty to inform when a candidate substance is present at more than 0.1% weight for weight.



European RoHS directives: 2015/863

Relating to the limitation of the use of 10 hazardous substances in electrical and electronic equipment (Lead, Mercury, Cadmium, Hexavalent Chromium, PBB, PBDE, Bis Phthalate, BBP, DBP, DIBP).



CFR 21: Code of Federal Regulation Title 21: Food and Drugs

This code consists of lists of prohibited substances for materials intended to come into contact with foodstuffs.



Regulation 1935/2004

This framework regulation relates to materials and objects designed to come into contact with foodstuffs. It describes specific measures per product group (Art. 5).



NSF 51: NSF/ANSI-51

Fittings and tubes complying with this standard are tested and approved by NSF for contact with drinks and foodstuffs.



NSF 61: NSF/ANSI/CAN 61

Fittings and tubes complying with this standard are tested and approved by NSF for contact with drinking water.



NSF 42 and 58: NSF/ANSI-42/58

Tubes complying with this standard are tested and approved by NSF for drinking water treatment systems.



Pneumatic: Push-to-Connect

Section A

Prestolok PLP Metal Push-to-Connect Fittings
Prestolok PLP Composite Push-to-Connect Fittings
Oscillating Elbows

Prestolok PLM Metal Push-to-Connect Fittings
Prestolok PLS Stainless Steel Push-to-Connect Fittings



Pneumatic: Integrated Fittings

Section B

Compact Flow Controls
Miniature Flow Controls
Swivel Outlet Flow Controls
Plug-In Flow Controls
In-Line Flow Controls
Metal Flow Controls

In-Line Check Valves
Stainless Steel Check Valves
Pilot Operated Check Valves
Pneumatic Slide Valves

Quick Exhaust Valve
Blocking Valves
Slow Start Valves
Threshold Sensor Fittings
Mini Ball Valves



Water & Beverage: Thermoplastic Fittings and Valves

Section C

LIQUIfit Fittings
TrueSeal™ Fittings

Fast & Tite® Fittings
Par-Barb® Fittings

Thermoplastic Ball Valves



Cartridges

Section D

Cartridges
Carstick® Cartridges

LIQUIfit® Cartridges
TrueSeal™ Cartridges

PLM/PLS Cartridges
SAE Encapsulated Cartridges



Transportation Push-to-Connect

Section E

PTC/PTCR Composite Fittings
PTC Brass Fittings

Metric Prestomatic Fittings
Parker Safe Lock



Transportation Compression Fittings & Valves

Section F

Air Brake-NTA® Fittings
Transmission Fittings

Air Brake – AB Fittings
Air Brake Hose Ends Fittings

Vibra-Lok Fittings
Truck Valves & Lanyard Valve



Industrial Compression Style Fittings

Section G

Compression Fittings
Compress-Align® Fittings

Brass Metric Compression
Poly-Tite Fittings

Hi-Duty Flareless Tube Fittings



Industrial Flare Fittings

Section H

45° Flare Fittings

Inverted Flare Fittings

Access Valves



WARNING

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Industrial Barbed Fittings

Section I

Dubl-Barb® Fittings

Hose Barb Fittings



Industrial Adapters

Section J

Pipe Fittings

Nickel Plated Metric Adapters

Metric Adapters

Garden Hose Fittings



Industrial Valves

Section K

Ball Valves Brass Series 500

Ball Valves Brass Series 501

Ball Valves Brass Series 502

Ball Valve Brass Series 506

Ball Valves Brass Series 509

Ball Valves Brass Series 510

Ball Valves Brass Series 520

Ball Valves Brass Series 533

3-Way Diversion / Series 540 4-Way

Ball Valves Brass Series 590/591

Ball Valves Brass Series 500HB

Ball Valves Brass Series 600

Ball Valves Carbon Steel Series 500CS/502CS

Ball Valves Carbon Steel Series 506CS

Ball Valves Carbon Steel Series 500HP, 506HP

Ball Valves Stainless Steel Series 501SS

Ball Valves Stainless Steel Series 502SS

Ball Valves Micro Series 708/709

Ball Valves Mini Series 200/608/609

Plug Valves Series PV

Ball Valves Rotary Actuator Series ACT

Ball Valve Series BVGC

Ball Valve Series BVGL

Ball Valve Series BVGLOCK

Ball Valve Series MBVG

Axial Valves

Replacement Componentry

Ball Valve Stem Extensions Series STX

Needle Valves

Drain Cocks/Ground Plug Shutoff



Accessories

Section L

Blow Guns

Silencers

Bins, Bags & Copper Tubing



Tube Fabricating Equipment

Section M

Tube Cutters

Metric Tube Benders

Flaring Tools

Kloskut Tube Cutters

Tube Benders, Spring Type

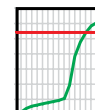
In-Ex® Tube Deburring Tool

Tube Benders, Lever Type



General Technical

Section N



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	Product	Type	Body Material	Temperature		Max. Pressure		Tubing Size	
				min.	max.	psi	bar	in	mm
Pneumatic	Prestolok Metal	Push-to-Connect	Nickel Plated Brass	0° F (-18° C)	+200° F (+93° C)	300	21	1/8-1/2	4-12
	Prestolok Composite	Push-to-Connect	Glass Filled Nylon	-4° F (-20° C)	+175° F (+79° C)	290	20	1/8-1/2	3-14
	Prestolok PLM	Push-to-Connect	Nickel Plated Brass	-4° F (-20° C)	+302° F (+150° C)	435	30	5/32-1/2	4-14
	Prestolok PLS	Push-to-Connect	Stainless Steel	-4° F (-20° C)	+302° F (+150° C)	435	30	5/32-1/2	4-12
	Flow controls	Function	Nylon/Treated Brass	+30° F (+1° C)	+160° F (+71° C)	145	10	1/8-1/2	4-14
	Blocking Valves	Function	Treated Brass	-4° F (-20° C)	+160° F (+71° C)	145	10	1/8-3/8	4-14
	Slow Start Valve	Function	Nickel Plated Brass	+5° F (-15° C)	+140° F (+60° C)	150	10	1/4-3/8	4-6
	Threshold Sensor	Function	Polymer	+5° F (-15° C)	+140° F (+60° C)	115	8	5/32	4
	Check Valve	Function	Nylon/Nickel Plated Brass	+34° F (+1° C)	+150° F (+65° C)	145	10	5/32-3/8	4-12
	Slide Valves								
	Quick Exhaust Valves		Nickel-plated brass	0° F (-18° C)	+160° F (+71° C)	150	10	1/8-1/2	-
	Mini Ball Valves		Nylon	-4° F (-20° C)	+175° F (+79° C)	145	10		
Water & Beverage	LIQUIfit	Push-to-Connect	Bio-based Polymer	+35° F (1° C)	+200° F (+93° C)	230	16	1/4 - 1/2	4 - 12
	TrueSeal Acetal	Push-to-Connect	Acetal	-20° F (-29° C)	+180° F (+82° C)	300	21	1/4 - 1/2	-
	TrueSeal Polypropylene	Push-to-Connect	Polypropylene	0° F (-18° C)	+225° F (+107° C)	150	10	1/4 - 1/2	-
	TrueSeal Kynar	Push-to-Connect	Kynar	0° F (-18° C)	+275° F (+135° C)	300	21	1/4 - 1/2	-
	Fast & Tite Polypropylene	Compression	Polypropylene	0° F (-18° C)	+212° F (+100° C)	300	21	1/4 - 5/8	-
	Fast & Tite Nylon	Compression	Nylon	-40° F (-40° C)	+200° F (+93° C)	300	21	1/4 - 5/8	-
	Par-Barb Polypropylene	Barb	Polypropylene	0° F (-18° C)	+212° F (+100° C)	125	9	1/8 - 3/4	-
	Par-Barb Nylon	Barb	Nylon	-40° F (-40° C)	+200° F (+93° C)	125	9	1/8 - 1 1/2	-
	LIQUIfit Ball Valves	Push-to-Connect	Polypropylene	+35° F (1° C)	+200° F (+93° C)	150	10	1/4 - 3/8	-
	TrueSeal Ball Valves	Push-to-Connect	Polypropylene	0° F (-18° C)	+225° F (+107° C)	150	10	1/4 - 3/8	-


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	Product	Type	Body Material	Temperature		Max. Pressure		Tubing Size	
				min.	max.	psi	bar	in	mm
Water & Beverage	Fast and Tite Ball Valves	Compression	Polypropylene	+35° F (1° C)	+200° F (+93° C)	150	10	1/4 - 1/2	-
	Par-Barb Ball Valves	Barb	Polypropylene	+35° F (1° C)	+200° F (+93° C)	150	10	1/4 - 3/8	-
	Check Valves	Push-to-Connect	Acetal	+34° F (+1° C)	+150° F (+65° C)	150	10	1/4 - 3/8	-
Cartridges	Carstick	Push-to-Connect	Polymer	-4° F (-20° C)	+175° F (+79° C)	290	20	1/8 - 3/8	4 - 8
	PLM/PLS	Push-to-Connect	Brass/ Stainless	-4° F (-20° C)	+175° F (+79° C)	435	30	-	4 - 14
	LIQUIfit	Push-to-Connect	Polymer	+ 35° F (+1° C)	+200° F (+93° C)	230	16	1/4 - 1/2	4 - 12
	TrueSeal	Push-to-Connect	Acetal	-20° F (-29° C)	+180° F (+82° C)	150	10	1/4 - 1/2	-
	SAE Encapsulated	Push-to-Connect	Brass	-40° F (-40° C)	+200° F (+93° C)	250	17	1/4 - 5/8	-
Transportation	Push to Connect	PTC Brass Fittings	Brass	-40° F (-40° C)	+200° F (+93° C)	250	17	5/32 - 3/4	-
		PTC/PTCR Composite Fittings	Composite	-40° F (-40° C)	+200° F (+93° C)	250	17	1/4 - 3/4	-
		Metric Prestomatic	Brass	-40° F (-40° C)	+200° F (+93° C)	250	17	-	4 - 16
		Parker Safe Lock		-40° F (-40° C)	+239° F (+115° C)	72	4.9		
		Pressure Protection Valves	Composite	-50° F (-45.5° C)	+212° F (+100° C)	165	11.38	1/4 - 1/2	-
		Shuttle Valves	Composite	-40° F (-40° C)	+230° F (+110° C)	200	13.79	3/8	-
		Check Valves	Composite or Brass	-40° F (-40° C)	+200° F (+93° C)	250	17.24	1/2 to 3/8	-
	Compression	NTA	Brass	-40° F (-40° C)	+200° F (+93° C)	150	10	3/16 - 3/4	-
		Transmission	Brass	-40° F (-40° C)	+220° F (+104° C)	150	10	1/8 - 5/32	-
		Air Brake - AB	Brass	-65° F (-54° C)	+250° F (+121° C)	400	27	1/4 - 3/4	-
		Air Brake Hose Ends	Brass	-50° F (-45° C)	+212° F (+100° C)	225	15	3/8 - 1/2	-
		Vibra-Lok Buna N Sleeve	Brass	-30° F (-34° C)	+275° F (+135° C)	On Condition		1/8 - 3/4	-
		Vibra-Lok Fluorocarbon Sleeve	Brass	-15° F (-26° C)	+450° F (+232° C)	On Condition		1/8 - 3/4	-
		Truck Valves	Brass	-30° F (-34° C)	+250° F (+121° C)	150	10	3/8 - 3/4	-
		Lanyard Valve	Brass	-40° F (-40° C)	+200° F (+93° C)	150	10	-	-

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	Product	Type	Body Material	Temperature		Max. Pressure		Tubing Size	
				min.	max.	psi	bar	in	mm
Transportation Cartridges & Manifolds	SAE Encapsulated Cartridge	Push-to-Connect	Brass	-40° F (-40° C)	+200° F (+93° C)	250	17	5/32 - 3/4	-
	Presto Manifold	Push-to-Connect	Glass Filled Nylon	-40° F (-40° C)	+200° F (+93° C)	150	10	1/4 - 1/2	-
Industrial Compression Style	Compression	Compression	Brass	-65° F (-54° C)	+250° F (+121° C)	2800	193	1/8 - 7/8	
	Compress-Align	Compression	Brass	-65° F (-54° C)	+250° F (+121° C)	2800	193	1/8 - 1	
	Metric Compression	Compression	Brass	-40° F (-40° C)	+482° F (+250° C)	3335	230		4 - 22
	Poly-Tite	Compression	Brass	0° F (-18° C)	+150° F (+65° C)	150	10	1/4 - 1/2	
	Hi-Duty	Compression	Brass	-65° F (-54° C)	+250° F (+121° C)	4300	296	1/8 - 5/8	
Industrial Flare Fittings	45° Flare	Flare	Brass	-65° F (-54° C)	+250° F (+121° C)	2800	193	1/8 - 7/8	
	Inverted Flare	Flare	Brass	-65° F (-54° C)	+250° F (+121° C)	2800	193	1/8 - 3/4	
	Acess Valves	Flare	Brass	-20° F (-29° C)	+200° F (+93° C)	500	34	1/8 - 1/2	
Industrial Barbed Fittings	Dubl-Barb	(1/4-3/8)	Barbed	Brass	-65° F (-54° C)	+90° F (+32° C)	150	10	
		(1/2)			-65° F (-54° C)	+75° F (+24° C)	100	7	
	Hose Barbs	Barbed	Brass	-40° F (-40° C)	+160° F (+71° C)	150	10	1/4 - 1	
Industrial Adapters	Pipe	Threaded	Brass	-65° F (-54° C)	+250° F (+121° C)	1,000	69	1/8 - 1	
	Garden Hose		Brass	+35° F (+2° C)	+100° F (+38° C)	75	5		
Industrial Ball Valves	500 Series	Female/Female	Brass	0° F (-18° C)	+350° F (+176° C)	600	41		
	501 Series	Female/Male	Brass	0° F (-18° C)	+350° F (+176° C)	600	41		
	502 Series	Panel Mounted	Brass	0° F (-18° C)	+350° F (+176° C)	600	41		
	506 Series	Straight Thread	Brass	0° F (-18° C)	+350° F (+176° C)	600	41		
	509 Series	Solder Ends	Brass						
	510 Series	Male/Female Straight Thread	Brass	0° F (-18° C)	+350° F (+176° C)	600	41		
	520 Series	Female/Female	Brass	0° F (-18° C)	+350° F (+176° C)	600	41		


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	Product		Type	Body Material	Temperature		Max. Pressure		Tubing Size	
					min.	max.	psi	bar	in	mm
Industrial Ball Valves	533 Series		3-Way Diversion	Brass	-20° F (-29° C)	+350° F (+176° C)	400	27		
	540 Series		4-Way	Brass	-20° F (-29° C)	+350° F (+176° C)	400	27		
	590/591 Series		Right Angle	Brass	-50° F (-45° C)	+350° F (+176° C)	250	17		
	500HB Series		Hose Barb	Brass	0° F (-18° C)	+350° F (+176° C)	150	10		
	600 Series		Six Port Diversion	Brass	0° F (-18° C)	+250° F (+121° C)	150	10		
	500CS/502CS Series	(¼-1)	Female/Female	Carbon Steel	-20° F (-29° C)	+425° F (+218° C)	2,000	137		
		(1¼-2)					1,500	103		
Industrial Ball Valves	506CS Series		Straight Thread	Carbon Steel	-20° F (-29° C)	+425° F (+218° C)	3,000	206		
	500HP/506HP Series		High Pressure	Carbon Steel	-10° F (-23° C)	+210° F (+99° C)	6,000	413		
	501SS		Male/ Female	Stainless Steel	0° F (-18° C)	+400° F (+204° C)	2,000	137		
	502SS	(¼-1)	Female/Female	Stainless Steel	0° F (-18° C)	+400° F (+204° C)	2,000	137		
		(1¼-2)					1,500	103		
	708 Series		Male/Female	Brass	-35° F (-37° C)	+300° F (+148° C)	500	34		
	709 Series		Female/Female	Brass	-35° F (-37° C)	+300° F (+148° C)	500	34		
	200 Series		Female/Female	Chrome Plated Brass	0° F (-18° C)	+200° F (+93° C)	200	13		
	608 Series		Male/Female	Brass	0° F (-18° C)	+200° F (+93° C)	450	31		
	609 Series		Female/Female	Brass	0° F (-18° C)	+200° F (+93° C)	450	31		
Plug Valves	Mini Ball Valves			Nylon	-4° F (-20° C)	+175° F (+79° C)	145	10		
	607 Series		Male/Male	Brass	-40° F (-40° C)	+175° F (+79° C)	250	17		
	608 Series		Male/Female	Brass	-40° F (-40° C)	+175° F (+79° C)	250	17		
Needle Valves/ Drain Cocks/ Ground Plug Shutoff	609 Series		Female/Female	Brass	-40° F (-40° C)	+175° F (+79° C)	250	17		
	Needle Valves		Shutoff	Brass	-45° F (-42° C)	+250° F (+121° C)	150	10		
	Drain Cocks		External/Internal	Brass	-65° F (-54° C)	+250° F (+121° C)	150	10		
	Ground Plug Shutoff		Shutoff	Brass	+32° F (0° C)	+125° F (+51° C)	30	2		

NOTE: DO NOT ALLOW MEDIA TO FREEZE OR PRODUCT DAMAGE MAY OCCUR. REFER TO USER RESPONSIBILITY ON PAGE 0.



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PNEUMATIC: **PUSH TO CONNECT**

Prestolok PLP Metal, Prestolok PLP Composite,
Oscillating Elbows, Prestolok PLM Metal, Prestolok PLS,
Stainless Steel



PRESTOLOK PLP

Metal Push-to-Connect Fittings

Prestolok PLP metal push-to-connect fittings offers a wide variety of configurations, allowing you to find the perfect product to meet your needs, optimizing the use of your equipment.

Product Features:

- Stainless steel grab ring
- Nickel-plated brass body
- Nitrile seal
- Flame resistant release button
- Corrosion resistance
- Inch and metric tube connections
- NPT, BSPP, BSPT, and metric threads
- Meets UL94 V-0 Flame Resistance Standard

Markets:

- Industrial
- Automotive
- Climate Control
- Welding
- Robotic Welding

Compatible Media:

- Compressed Air
- Inert Gases
- Vacuum

Specifications:

Pressure Range	Up to 300 PSI (20.6 bar) depending on tubing
Temperature Range	0° to +200° F (-17.7° to 93.3° C)
Vacuum Rating	28" Hg

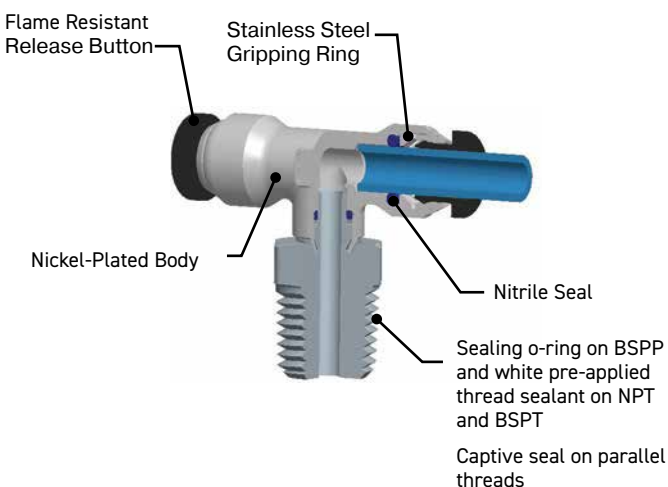
Note: Vacuum applications are dependent upon temperature and type of tubing used. Maximum pressure and temperature range depend on the type of tubing used.

Compatible Tubing:

- 95FR Microweld
- Polyethylene
- Polypropylene
- Semi Rigid Nylon
- Rigid Nylon
- Polyurethane 95 Durometer Shore A

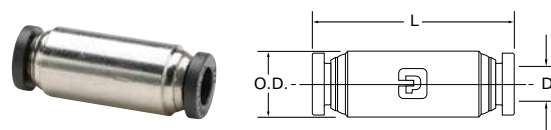
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page 15)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.



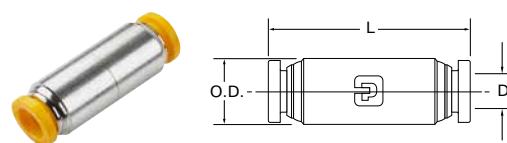
WARNING

This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



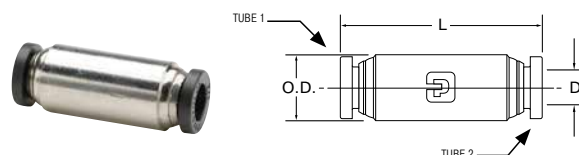
62PLP Union – Inch

Part No.	Tube Size (in)	O.D.	L	Flow Dia. D
62PLP-2	1/8	.375	1.40	.094
62PLP-3	3/16	.437	1.41	.156
62PLP-5/32	5/32	.375	1.41	.125
62PLP-4	1/4	.500	1.43	.188
62PLP-5	5/16	.562	1.65	.250
62PLP-6	3/8	.625	1.66	.312
62PLP-8	1/2	.750	1.82	.375



62PLP Union – Metric

Part No.	Tube Size (mm)	O.D.	L (in)	Flow Dia. D
62PLP-4M	4	9.53	35.5	3.175
62PLP-6M	6	12.70	34.4	4.775
62PLP-8M	8	14.27	41.8	6.350
62PLP-10M	10	17.46	40.9	7.925
62PLP-12M	12	19.05	40.9	9.525



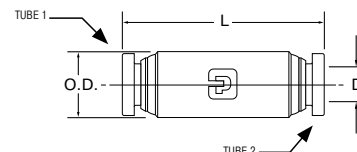
62PLP Unequal Union – Inch

Part No.	Tube 1 Size (in)	Tube 2 Size (in)	O.D.	L	Flow Dia. D
62PLP-5/32-2	5/32	1/8	.375	1.41	.094
62PLP-4-2	1/4	1/8	.500	1.43	.094
62PLP-4-5/32	1/4	5/32	.500	1.43	.125
62PLP-4-6	1/4	3/8	.625	1.66	.188
62PLP-6-8	3/8	1/2	.750	1.82	.312



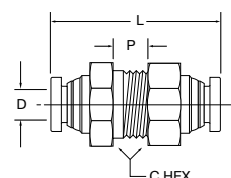
WARNING

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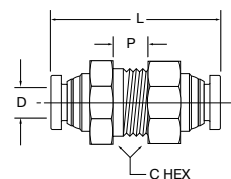
62PLP Unequal Union – Metric

Part No.	Tube 1 Size (in)	Tube 2 Size (in)	O.D.	L (mm)	Flow Dia. D
62PLP-4M-6M	4	6	12.70	34.94	4.17
62PLP-6M-8M	6	8	14.27	40.59	6.22
62PLP-8M-10M	8	10	17.46	41.36	10.26
62PLP-10M-12M	10	12	19.05	44.42	12.24



62PLPBH Bulkhead Union – Inch

Part No.	Tube Size (in)	Bulkhead Hole Dia. B	C Hex	P Max.	L	D
62PLPBH-2	1/8	7/16	9/16	.39	1.40	.094
62PLPBH-5/32	5/32	7/16	9/16	.39	1.41	.125
62PLPBH-4	1/4	9/16	11/16	.29	1.43	.188
62PLPBH-5	5/16	5/8	3/4	.60	1.65	.250
62PLPBH-6	3/8	3/4	7/8	.54	1.66	.312
62PLPBH-8	1/2	7/8	1	.66	2.04	.375



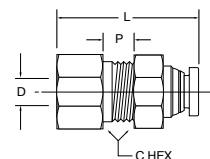
62PLPBH Bulkhead Union – Metric

Part No.	Tube Size (mm)	Bulkhead Hole Dia. B	C Hex	P Max.	L (mm)	D (mm)
62PLPBH-4M	4	11	9/16	9.68	35.49	3.175
62PLPBH-6M	6	14	11/16	7.57	34.07	4.775
62PLPBH-8M	8	16	3/4	14.67	41.79	6.350
62PLPBH-10M	10	19	7/8	11.66	40.91	7.925
62PLPBH-12M	12	22	1	14.99	50.94	9.525



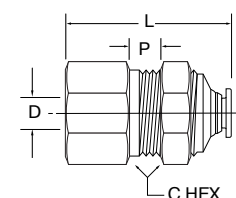
WARNING

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66PLPBH Female Bulkhead – NPTF

Part No.	Tube Size (in)	Pipe Thd NPTF	C Hex	P Max.	L	Flow Dia. D	Bulkhead Hole Dia.
66PLPBH-5/32-4	5/32	1/4	11/16	.19	1.39	.125	1/2
66PLPBH-4-4	1/4	1/4	11/16	.24	1.35	.188	9/16
66PLPBH-6-6	3/8	3/8	1	.22	1.47	.312	7/8
66PLPBH-8-6	1/2	3/8	1	.35	1.56	.344	7/8



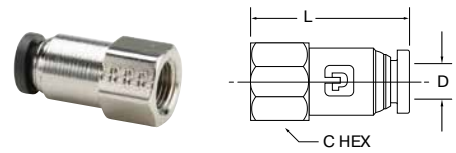
66PLPBH Female Bulkhead – BSPP

Part No.	Tube Size (mm)	Thread BSPP	C Hex	P Max.	L (mm)	Flow Dia. D	Bulkhead Hole Dia.
66PLPBH-4M-4G	4	1/4	11/16	3.81	37.85	3.175	12
66PLPBH-6M-4G	6	1/4	11/16	3.91	36.40	4.775	14
66PLPBH-10M-6G	10	3/8	1	4.93	39.50	7.925	22
66PLPBH-12M-6G	12	3/8	1	7.62	41.61	9.525	22



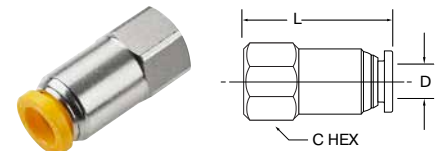
WARNING

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66PLP Female Connector – NPTF

Part No.	Tube Size (in)	Pipe Thread NPTF	C Hex	L	Flow Dia. D
66PLP-2-2	1/8	1/8	9/16	1.17	.094
66PLP-2-4	1/8	1/4	11/16	1.34	.094
66PLP-3-2	3/16	1/8	9/16	1.13	.156
66PLP-5/32-2	5/32	1/8	9/16	1.17	.125
66PLP-5/32-4	5/32	1/4	11/16	1.38	.125
66PLP-4-2	1/4	1/8	9/16	1.17	.188
66PLP-4-4	1/4	1/4	11/16	1.38	.188
66PLP-5-2	5/16	1/8	9/16	1.25	.250
66PLP-5-4	5/16	1/4	11/16	1.45	.250
66PLP-6-4	3/8	1/4	11/16	1.46	.312
66PLP-6-6	3/8	3/8	13/16	1.51	.312



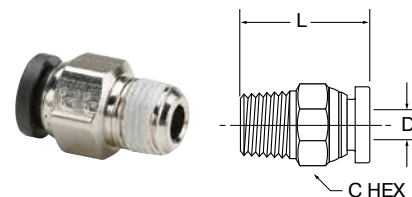
66PLP Female Connector – BSPP

Part No.	Tube Size (mm)	Thread BSPP	C Hex	L (mm)	Flow Dia. D
66PLP-4M-2G	4	1/8	9/16	30.99	3.175
66PLP-4M-4G	4	1/4	11/16	38.61	3.175
66PLP-6M-2G	6	1/8	9/16	30.05	4.775
66PLP-6M-4G	6	1/4	11/16	36.40	4.775
66PLP-8M-2G	8	1/8	9/16	33.60	6.350
66PLP-8M-4G	8	1/4	11/16	40.46	6.350
66PLP-10M-4G	10	1/4	11/16	38.23	7.925
66PLP-10M-6G	10	3/8	13/16	39.50	7.925



WARNING

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W68PLP Male Connector – NPTF

Part No.	Tube Size (in)	Pipe Thd NPTF	C Hex	L	Flow Dia. D
68PLP-2-0**	1/8	10-32	3/8	.92	.094
W68PLP-2-1	1/8	1/16	3/8	.79	.094
W68PLP-2-2	1/8	1/8	7/16	.79	.094
W68PLP-2-4	1/8	1/4	9/16	1.02	.094
W68PLP-3-2	3/16	1/8	7/16	.85	.156
W68PLP-3-4	3/16	1/4	9/16	1.01	.156
68PLP-5/32-0**	5/32	10-32	3/8	.90	.090
W68PLP-5/32-1	5/32	1/16	3/8	.88	.940
W68PLP-5/32-2	5/32	1/8	7/16	.80	.125
W68PLP-5/32-4	5/32	1/4	9/16	1.03	.125
68PLP-4-0**	1/4	10-32	1/2	.96	.094
W68PLP-4-1	1/4	1/16	1/2	1.07	.141
W68PLP-4-2	1/4	1/8	1/2	.89	.188
W68PLP-4-4	1/4	1/4	9/16	1.00	.188
W68PLP-4-6	1/4	3/8	3/4	1.04	.188
W68PLP-5-2	5/16	1/8	9/16	1.18	.250
W68PLP-5-4	5/16	1/4	9/16	1.04	.250
W68PLP-5-6	5/16	3/8	11/16	1.04	.250
W68PLP-6-2	3/8	1/8	5/8	1.21	.250
W68PLP-6-4	3/8	1/4	5/8	1.08	.312
W68PLP-6-6	3/8	3/8	11/16	1.02	.312
W68PLP-6-8	3/8	1/2	7/8	1.28	.312
W68PLP-8-4	1/2	1/4	13/16	1.44	.344
W68PLP-8-6	1/2	3/8	13/16	1.24	.344
W68PLP-8-8	1/2	1/2	7/8	1.35	.375
68PLP-5/32-4LT*	5/32	1/4-28	7/16	.88	.093

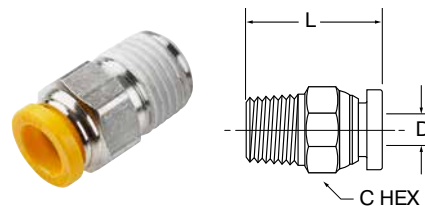
* SAE-LTThreads

** Neoprene Seal



WARNING

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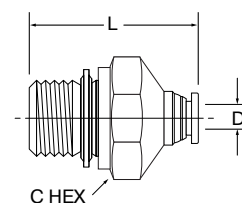
W68PLP Male Connector – BSPT

Part No.	Tube Size (mm)	Thread BSPT	C Hex	L (mm)	Flow Dia. D
W68PLP-4M-2R	4	1/8	7/16	20.41	3.175
W68PLP-4M-4R	4	1/4	9/16	27.18	3.175
W68PLP-6M-2R	6	1/8	1/2	22.00	4.775
W68PLP-6M-4R	6	1/4	9/16	26.74	4.775
W68PLP-6M-6R	6	3/8	11/16	26.46	4.775
W68PLP-8M-2R	8	1/8	9/16	29.80	6.350
W68PLP-8M-4R	8	1/4	9/16	26.24	6.350
W68PLP-8M-6R	8	3/8	11/16	27.51	6.350
W68PLP-10M-4R	10	1/4	5/8	29.72	7.925
W68PLP-10M-6R	10	3/8	11/16	27.18	7.925
W68PLP-10M-8R	10	1/2	7/8	34.24	7.925
W68PLP-12M-4R	12	1/4	13/16	36.90	8.738
W68PLP-12M-6R	12	3/8	13/16	30.85	9.525
W68PLP-12M-8R	12	1/2	7/8	33.85	9.525



WARNING

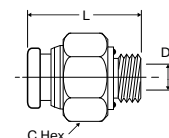
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68PLP Male Connector – BSPP

Part No.	Tube Size (mm)	Thread BSPP	C Hex	L (mm)	Flow Dia. D
68PLP-4M-M5	4	M5X0.8	3/8	21.15	2.693
68PLP-4M-2G	4	1/8	9/16	23.22	3.175
68PLP-4M-4G	4	1/4	3/4	29.32	3.175
68PLP-6M-M5*	6	M5X0.8	1/2	23.39	2.80
68PLP-6M-2G	6	1/8	9/16	22.00	4.775
68PLP-6M-4G	6	1/4	3/4	28.10	4.775
68PLP-6M-6G	6	3/8	7/8	31.90	4.775
68PLP-8M-2G	8	1/8	9/16	29.67	6.350
68PLP-8M-4G	8	1/4	3/4	30.05	6.350
68PLP-8M-6G	8	3/8	7/8	35.14	6.350
68PLP-10M-4G	10	1/4	3/4	31.88	7.925
68PLP-10M-6G	10	3/8	7/8	26.80	7.925
68PLP-10M-8G	10	1/2	1 1/16	31.88	7.925
68PLP-12M-4G	12	1/4	13/16	35.76	8.738
68PLP-12M-6G	12	3/8	7/8	33.22	9.525
68PLP-12M-8G	12	1/2	1 1/16	33.47	9.525

*M5 seal is neoprene



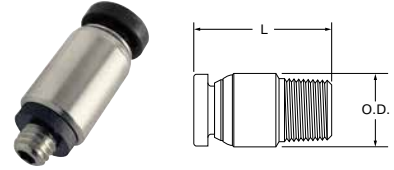
68PLP Male Connector – BSPP

Part No.	Tube Size (in)	Pipe Thd BSPP	C Hex	I	Flow Dia. D
68PLP-4-2G	1/4	1/8	11/16	.95	.188
68PLP-4-4G	1/4	1/4	3/4	.86	.188
68PLP-4-6G	1/4	3/8	7/8	.85	.188
68PLP-6-4G	3/8	1/4	3/4	1.16	.31
68PLP-6-6G	3/8	3/8	3/4	.89	.31
68PLP-6-8G	3/8	1/2	7/8	.96	.31
68PLP-8-6G	1/2	3/8	7/8	1.22	.45
68PLP-8-8G	1/2	1/2	1-1/16	1.00	.45



WARNING

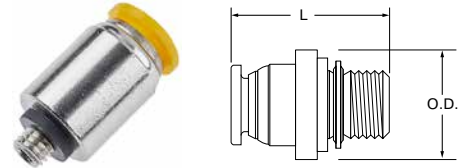
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68PLPR Round Male Connector – NPTF/UNF

Part No.	Tube Size (in)	Thread Size NPTF	Internal Hex Broach	Body Dia. O.D.	L	Flow Dia.
68PLPR-2-0*	1/8	10-32	3/32	3/8"	.89	.094
68PLPR-5/32-0*	5/32	10-32	3/32	3/8"	.91	.094
68PLPR-4-0*	1/4	10-32	3/32	1/2"	.95	.094
W68PLPR-5/32-1	5/32	1/16	1/8	3/8"	.87	.125
W68PLPR-5/32-2	5/32	1/8	1/8	7/16"	.79	.125
W68PLPR-4-1	1/4	1/16	5/32	1/2"	1.06	.156
W68PLPR-4-2	1/4	1/8	3/16	1/2"	.88	.188
W68PLPR-4-4	1/4	1/4	3/16	5/8"	.99	.188

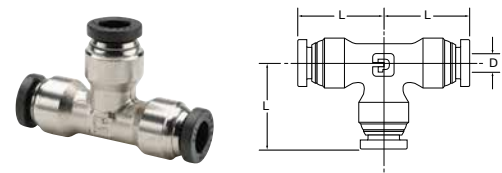
*10-32 seal is neoprene



Round Male Connector – BSPP/M5

Part No.	Tube Size (mm)	Thread BSPP/M5	Internal Hex Broach	Body Dia. O.D.	L (mm)	Flow Dia.
68PLPR-4M-M5	4	M5X0.8	2.43	10.74	23.13	2.801
68PLPR-4M-2G	4	1/8	3.07	10.74	23.10	3.549
68PLPR-6M-M5*	6	M5X0.8	2.46	11.94	23.91	2.801
68PLPR-6M-2G	6	1/8	4.85	11.94	22.13	5.602
68PLPR-6M-4G	6	1/4	4.85	11.94	26.95	5.602

*M5 seal is neoprene



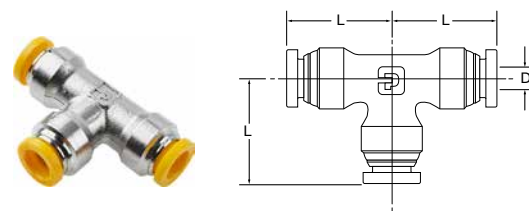
164PLP Union Tee – Inch

Part No.	Tube Size (in)	L	Flow Dia. D
164PLP-2	1/8	.74	.094
164PLP-3	3/16	.82	.156
164PLP-5/32	5/32	.77	.125
164PLP-4	1/4	.85	.188
164PLP-5	5/16	.97	.250
164PLP-6	3/8	1.01	.250
164PLP-8	1/2	1.15	.375



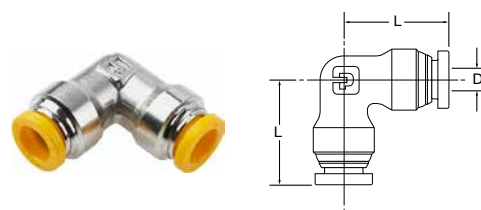
WARNING

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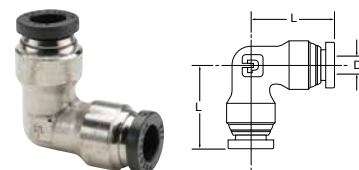
164PLP Union Tee – Metric

Part No.	Tube Size (mm)	L (mm)	Flow Dia. D
164PLP-4M	4	19.40	3.175
164PLP-6M	6	20.47	4.775
164PLP-8M	8	24.58	6.350
164PLP-10M	10	24.90	7.137
164PLP-12M	12	28.77	9.525



165PLP Union Elbow – Metric

Part No.	Tube Size (mm)	L (mm)	Flow Dia. D
165PLP-4M	4	19.05	3.175
165PLP-6M	6	20.14	4.775
165PLP-8M	8	24.21	6.350
165PLP-10M	10	23.75	7.925
165PLP-12M	12	27.13	9.525



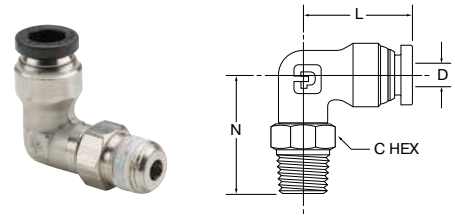
165PLP Union Elbow – Inch

Part No.	Tube Size (in)	L	Flow Dia. D
165PLP-2	1/8	.74	.094
165PLP-5/32	5/32	.77	.125
165PLP-4	1/4	.85	.188
165PLP-5	5/16	.97	.250
165PLP-6	3/8	1.01	.312
165PLP-8	1/2	1.15	.375



WARNING

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W169PLP Male Elbow Swivel 90° – NPTF

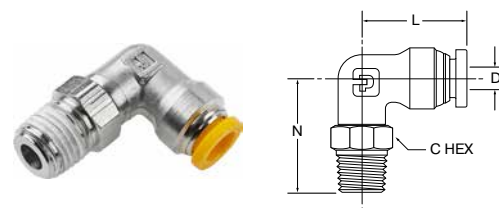
Part No.	Tube Size (in)	Pipe Thread NPTF	C Hex	L	N	Flow Dia. D
W169PLP-2-1	1/8	1/16	3/8	.74	.93	.160
W169PLP-2-2	1/8	1/8	7/16	.74	.92	.094
169PLP-2-0*	1/8	10-32	3/8	.74	.74	.080
W169PLP-2-4	1/8	1/4	9/16	.74	1.10	.094
W169PLP-3-2	3/16	1/8	7/16	.82	.92	.156
W169PLP-5/32-1	5/32	1/16	3/8	.84	.93	.160
W169PLP-5/32-2	5/32	1/8	7/16	.77	.92	.125
W169PLP-5/32-4	5/32	1/4	9/16	.77	1.10	.125
169PLP-5/32-0*	5/32	10-32	3/8	.85	.74	.080
W169PLP-4-1	1/4	1/16	3/8	.84	.93	.160
W169PLP-4-2	1/4	1/8	7/16	.85	.92	.156
W169PLP-4-4	1/4	1/4	9/16	.85	1.10	.156
W169PLP-4-6	1/4	3/8	11/16	.85	1.19	.156
169PLP-4-0*	1/4	10-32	3/8	.85	.74	.080
W169PLP-5-2	5/16	1/8	9/16	.97	1.02	.250
W169PLP-5-4	5/16	1/4	9/16	.97	1.24	.250
W169PLP-6-2	3/8	1/8	9/16	1.01	1.02	.250
W169PLP-6-4	3/8	1/4	9/16	1.01	1.24	.250
W169PLP-6-6	3/8	3/8	11/16	1.01	1.24	.250
W169PLP-6-8	3/8	1/2	7/8	1.01	1.48	.250
W169PLP-8-4	1/2	1/4	9/16	1.15	1.28	.312
W169PLP-8-6	1/2	3/8	11/16	1.15	1.31	.312
W169PLP-8-8	1/2	1/2	7/8	1.15	1.52	.312

*10-32 seal is neoprene



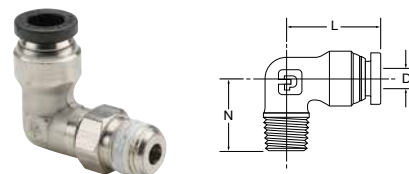
WARNING

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W169PLP Male Elbow Swivel 90° – BSPT

Part No.	Tube Size (mm)	Thread BSPT	C Hex	L (mm)	N (mm)	Flow Dia. D
W169PLP-4M-2R	4	1/8	7/16	19.05	23.93	3.175
W169PLP-4M-4R	4	1/4	9/16	19.05	28.50	3.962
W169PLP-6M-2R	6	1/8	7/16	19.13	22.91	3.962
W169PLP-6M-4R	6	1/4	9/16	19.13	27.48	3.962
W169PLP-6M-6R	6	3/8	11/16	19.13	29.74	3.962
W169PLP-8M-2R	8	1/8	9/16	24.20	26.16	6.350
W169PLP-8M-4R	8	1/4	9/16	24.20	31.75	6.350
W169PLP-8M-6R	8	3/8	11/16	24.20	31.75	6.350
W169PLP-10M-4R	10	1/4	9/16	23.75	31.49	6.350
W169PLP-10M-6R	10	3/8	11/16	23.75	31.75	6.350
W169PLP-10M-8R	10	1/2	7/8	23.75	37.69	6.350
W169PLP-12M-4R	12	1/4	11/16	27.63	32.86	7.950
W169PLP-12M-6R	12	3/8	11/16	27.63	33.78	9.525
W169PLP-12M-8R	12	1/2	7/8	27.63	38.96	9.525



W169PLPNS Male Elbow 90° – NPTF

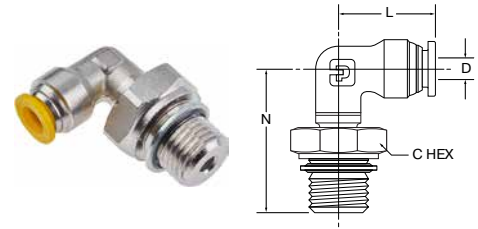
Part No.	Tube (in)	Pipe Thd NPTF	L	N	Flow Dia. D
W169PLPNS-2-2	1/8	1/8	.74	.67	.094
W169PLPNS5/32-2	5/32	1/8	.77	.67	.125
W169PLPNS5/32-4	5/32	1/4	.77	.87	.125
W169PLPNS-4-2	1/4	1/8	.85	.67	.188
W169PLPNS-4-4	1/4	1/4	.85	.87	.188
W169PLPNS-5-2	5/16	1/8	.97	.75	.234
W169PLPNS-5-4	5/16	1/4	.97	.94	.250
W169PLPNS-6-4	3/8	1/4	1.01	.94	.312
W169PLPNS-6-6	3/8	3/8	1.01	1.01	.312
W169PLPNS-6-8	3/8	1/2	1.01	1.27	.312
W169PLPNS-8-6	1/2	3/8	1.15	1.00	.375
W169PLPNS-8-8	1/2	1/2	1.15	1.27	.375
169PLPNS-5/32-4LT	5/32	1/4-28	.60	.48	.090

SAE-LT Threads



WARNING

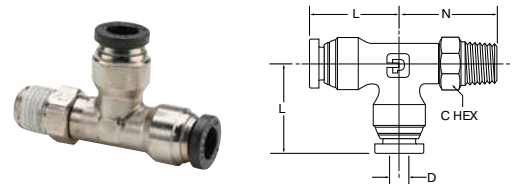
This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



169PLP Male Elbow Swivel 90° – BSPP

Part No.	Tube Size (mm)	Thread BSPP	C Hex	L (mm)	N (mm)	Flow Dia. D
169PLP-4M-M5	4	M5X0.8	3/8	19.05	19.79	2.425
169PLP-4M-2G	4	1/8	9/16	19.05	23.92	3.175
169PLP-4M-4G	4	1/4	3/4	19.05	30.27	3.175
169PLP-6M-M5*	6	M5X0.8	3/8	19.12	18.52	2.425
169PLP-6M-2G	6	1/8	9/16	19.12	22.94	3.960
169PLP-6M-4G	6	1/4	3/4	19.12	29.23	3.960
169PLP-6M-6G	6	3/8	11/16	19.12	31.04	2.425
169PLP-8M-2G	8	1/8	9/16	24.25	27.13	6.350
169PLP-8M-4G	8	1/4	3/4	24.20	33.25	6.350
169PLP-8M-6G	8	3/8	11/16	24.25	33.22	6.350
169PLP-10M-4G	10	1/4	3/4	23.75	32.77	6.350
169PLP-10M-6G	10	3/8	11/16	23.75	32.61	6.350
169PLP-10M-8G	10	1/2	1 1/16	23.75	37.59	6.350
169PLP-12M-4G	12	1/4	3/4	26.63	35.20	7.950
169PLP-12M-6G	12	3/8	7/8	26.63	53.20	9.525
169PLP-12M-8G	12	1/2	1 1/16	26.63	38.96	9.525

*M5 seal is neoprene



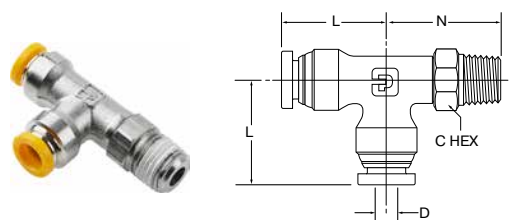
W171PLP Male Run Tee Swivel – NPTF

Part No.	Tube Size (in)	Pipe Thread NPTF	C Hex	L	N	Flow Dia. D
W171PLP-2-2	1/8	1/8	7/16	.74	.92	.094
W171PLP-5/32-2	5/32	1/8	7/16	.77	.92	.125
W171PLP-4-2	1/4	1/8	7/16	.85	.92	.156
W171PLP-4-4	1/4	1/4	9/16	.85	1.10	.156
W171PLP-4-6	1/4	3/8	11/16	.85	1.24	.156
W171PLP-5-2	5/16	1/8	9/16	.97	1.02	.250
W171PLP-5-4	5/16	1/4	9/16	.97	1.24	.250
W171PLP-6-4	3/8	1/4	9/16	1.01	1.24	.250
W171PLP-6-6	3/8	3/8	11/16	1.01	1.24	.250
W171PLP-8-6	1/2	3/8	11/16	1.15	1.31	.312
W171PLP-8-8	1/2	1/2	7/8	1.15	1.52	.312



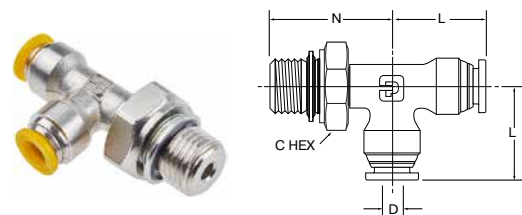
WARNING

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W171PLP Male Run Tee Swivel – BSPT

Part No.	Tube Size (mm)	Thread BSPT	C Hex	L (mm)	N (mm)	Flow Dia. D
W171PLP-4M-2R	4	1/8	7/16	19.05	23.95	3.17
W171PLP-4M-4R	4	1/4	9/16	19.05	28.60	3.17
W171PLP-6M-2R	6	1/8	7/16	20.90	23.92	4.77
W171PLP-6M-4R	6	1/4	9/16	20.90	28.49	4.77
W171PLP-6M-6R	6	3/8	11/16	20.90	30.78	4.77
W171PLP-8M-2R	8	1/8	9/16	24.20	26.16	6.35
W171PLP-8M-4R	8	1/4	9/16	24.20	31.75	6.35
W171PLP-8M-6R	8	3/8	11/16	24.20	31.75	6.35
W171PLP-10M-4R	10	1/4	9/16	25.52	31.75	7.13
W171PLP-10M-6R	10	3/8	11/16	25.52	31.75	7.13
W171PLP-10M-8R	10	1/2	7/8	25.52	37.84	7.13
W171PLP-12M-4R	12	1/4	11/16	29.15	32.77	9.52
W171PLP-12M-6R	12	3/8	11/16	29.15	33.52	9.52
W171PLP-12M-8R	12	1/2	7/8	29.15	38.86	9.52



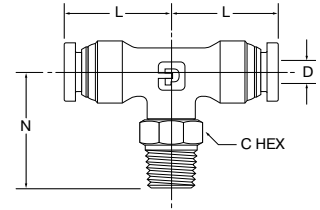
171PLP Male Run Tee Swivel – BSPP

Part No.	Tube Size (mm)	Thread BSPP	C Hex	L (mm)	N (mm)	Flow Dia. D
171PLP-4M-2G	4	1/8	9/16	19.05	24.02	3.17
171PLP-4M-4G	4	1/4	3/4	19.05	30.37	3.17
171PLP-6M-2G	6	1/8	9/16	20.90	23.92	4.77
171PLP-6M-4G	6	1/4	3/4	20.90	30.27	4.77
171PLP-6M-6G	6	3/8	7/8	20.90	32.30	4.77
171PLP-8M-2G	8	1/8	9/16	24.40	26.92	6.35
171PLP-8M-4G	8	1/4	3/4	24.20	33.02	6.35
171PLP-8M-6G	8	3/8	7/8	24.20	33.02	6.35
171PLP-10M-4G	10	1/4	3/4	25.52	33.02	7.13
171PLP-10M-6G	10	3/8	7/8	25.52	33.02	7.13
171PLP-10M-8G	10	1/2	1 1/16	25.52	37.84	7.13
171PLP-12M-4G	12	1/4	3/4	29.15	35.30	9.52
171PLP-12M-6G	12	3/8	7/8	29.15	35.30	9.52
171PLP-12M-8G	12	1/2	1 1/16	29.15	38.86	9.52



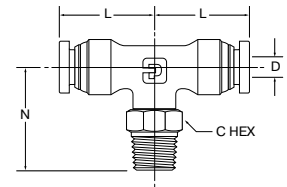
WARNING

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W172PLP Male Branch Tee Swivel – NPTF

Part No.	Tube Size (in)	Pipe Thread NPTF	C Hex	L	N	Flow Dia. D
W172PLP-2-2	1/8	1/8	7/16	.74	.92	.094
W172PLP-3-2	3/16	1/8	7/16	.82	.92	.156
W172PLP-5/32-2	5/32	1/8	7/16	.77	.92	.125
W172PLP-4-0	1/4	10-32	3/8	.84	.80	.250
W172PLP-4-2	1/4	1/8	7/16	.85	.92	.156
W172PLP-4-4	1/4	1/4	9/16	.85	1.10	.156
W172PLP-4-6	1/4	3/8	11/16	.85	1.10	.156
W172PLP-5-2	5/16	1/8	9/16	.97	1.02	.250
W172PLP-5-4	5/16	1/4	9/16	.97	1.24	.250
W172PLP-6-4	3/8	1/4	9/16	1.01	1.24	.250
W172PLP-6-6	3/8	3/8	11/16	1.01	1.24	.250
W172PLP-6-8	3/8	1/2	7/8	1.00	1.48	.250
W172PLP-8-4	1/2	1/4	9/16	1.15	1.30	.312
W172PLP-8-6	1/2	3/8	11/16	1.15	1.31	.312
W172PLP-8-8	1/2	1/2	7/8	1.15	1.52	.312



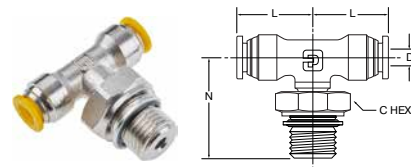
W172PLP Male Branch Tee Swivel – BSPT

Part No.	Tube Size (mm)	Thread BSPT	C Hex	L (mm)	N (mm)	Flow Dia. D
W172PLP-4M-2R	4	1/8	7/16	19.05	24.35	3.17
W172PLP-4M-4R	4	1/4	9/16	19.05	28.93	3.17
W172PLP-6M-2R	6	1/8	7/16	21.15	23.92	3.96
W172PLP-6M-4R	6	1/4	9/16	21.15	28.49	3.96
W172PLP-6M-6R	6	3/8	11/16	21.15	30.78	3.96
W172PLP-8M-2R	8	1/8	9/16	24.20	26.56	6.35
W172PLP-8M-4R	8	1/4	9/16	24.20	32.15	6.35
W172PLP-8M-6R	8	3/8	11/16	24.20	32.15	6.35
W172PLP-10M-4R	10	1/4	9/16	25.53	32.14	7.14
W172PLP-10M-6R	10	3/8	11/16	25.53	32.14	7.14
W172PLP-10M-8R	10	1/2	7/8	25.53	32.24	7.14
W172PLP-12M-4R	12	1/4	9/16	28.65	33.02	9.53
W172PLP-12M-6R	12	3/8	11/16	28.65	33.78	9.53
W172PLP-12M-8R	12	1/2	7/8	28.65	39.11	9.53



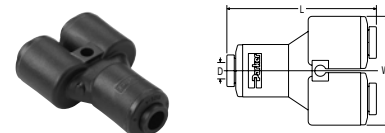
WARNING

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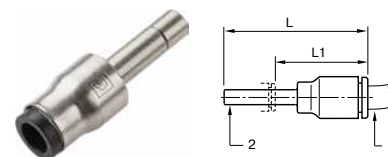
172PLP Male Branch Tee Swivel – BSPP

Part No.	Tube Size (mm)	Thread BSPP	C Hex	L (mm)	N (mm)	Flow Dia. D
172PLP-4M-2G	4	1/8	9/16	19.05	24.35	3.17
172PLP-4M-4G	4	1/4	3/4	19.05	30.70	3.17
172PLP-6M-2G	6	1/8	9/16	21.15	23.92	3.96
172PLP-6M-4G	6	1/4	3/4	21.15	30.27	3.96
172PLP-6M-6G	6	3/8	7/8	21.15	32.30	3.96
172PLP-8M-2G	8	1/8	9/16	24.20	27.33	6.35
172PLP-8M-4G	8	1/4	3/4	24.20	33.42	6.35
172PLP-8M-6G	8	3/8	7/8	24.20	33.42	6.35
172PLP-10M-4G	10	1/4	3/4	25.52	33.42	6.35
172PLP-10M-6G	10	3/8	7/8	25.52	33.42	6.35
172PLP-10M-8G	10	1/2	1 1/16	25.52	38.25	6.35
172PLP-12M-4G	12	1/4	3/4	28.65	35.56	7.95
172PLP-12M-6G	12	3/8	7/8	28.65	35.56	9.52
172PLP-12M-8G	12	1/2	1 1/16	28.65	39.11	9.52



362PW – Union Y (PVDF) – Inch

Part No.	Tube Size (in)	Tube Size (in)	L (in)	W (in)	Flow Dia. D
362PW-4	1/4	1/4	2.100	1.43	0.190
362PW-4-6	3/8	1/4	2.100	1.43	0.190
362PW-6	3/8	3/8	2.175	1.75	0.250
362PW-6-8	1/2	3/8	2.370	1.93	0.250
362PW-8	1/2	1/2	2.370	1.93	0.380



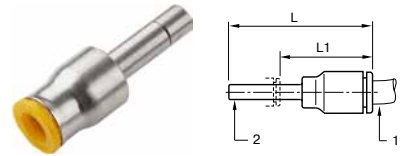
62PLPSP – Tube Expander – Inch

Part No.	1 Tube Size (in)	2 Tube Size (in)	L (in)	L1 (in)
62PLPSP-4-5/32	1/4	5/32	1.39	.71
62PLPSP-6-4	3/8	1/4	1.66	.89



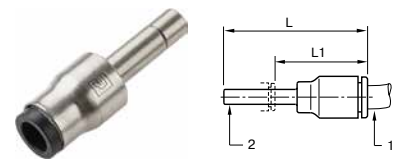
WARNING

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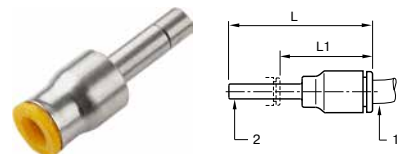
62PLPSP – Tube Expander – Metric

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	L (mm)	L1 (mm)
62PLPSP-10M-8M	10	8	42.7	21.2
62PLPSP-12M-10M	12	10	48.5	24
62PLPSP-6M-4M	6	4	33	21
62PLPSP-8M-6M	8	6	39.6	26.1



67PLP – Tube Reducer – Inch

Part No.	1 Tube Size (in)	2 Tube Size (in)	L (in)	L1 (in)
67PLP-5/32-4	5/32	1/4	1.46	.81
67PLP-5/32-6	5/32	3/8	1.67	1.02
67PLP-5-6	5/16	3/8	1.83	1.06
67PLP-5-8	5/16	1/2	1.97	1.2
67PLP-4-6	1/4	3/8	1.75	1.07
67PLP-4-8	1/4	1/2	1.85	1.17
67PLP-6-8	3/8	1/2	1.97	1.2



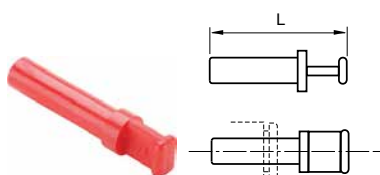
67PLP – Tube Reducer – Metric

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	L (mm)	L1 (mm)
67PLP-10M-12M	10	12	48.8	25.8
67PLP-4M-10M	4	10	37.6	16.1
67PLP-4M-6M	4	6	34.5	24.5
67PLP-4M-8M	4	8	40.1	21.6
67PLP-6M-10M	6	10	41.4	20.9
67PLP-6M-12M	6	12	44.2	21.2
67PLP-6M-8M	6	8	38.6	23.1
67PLP-8M-10M	8	10	47	26.5
67PLP-8M-12M	8	12	49.3	24.8



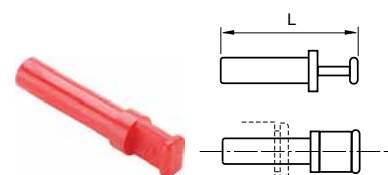
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639PLP Plug Inch

Part No.	Tube Size	L
639PLP-2	1/8	1.30
639PLP-3	3/16	1.36
639PLP-4	1/4	1.44
639PLP-6	3/8	1.67
639PLP-8	1/2	1.91

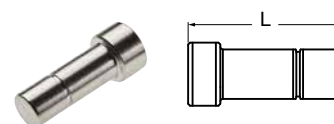


639PLP Plug Metric

Part No.	Tube Size	L
639PLP-3M	3	25
639PLP-4M	4	30
639PLP-6M	6	33
639PLP-8M	8	33
639PLP-10M	10	42
639PLP-12M	12	45
639PLP-14M	14	49
639PLP-16M*	16	57

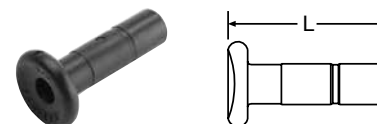
* Nickel Plated Brass

139PLP – Plug – Metric



Part No.	Tube Size (mm)	L (in)
139PLP-6M	6	.92
139PLP-8M	5/16 (8mm)	1.10
139PLP-10M	10	1.22
139PLP-12M	12	1.34

TPL – Plug (PVDF) – Inch



Part No.	Tube Size (in)	L (in)
FB4TPL	1/4	.88
139PLP-8M	5/16	1.10
FB6TPL	3/8	1.45
FB8TPL	1/2	1.50

DB – Dust/Weld Spatter Boot



Part No.	Tube Size (in)	L (in)	D (in)
DB-4	1/4 (6mm)	.50	.40
DB-6	3/8 (10mm)	.50	.63
DB-8	1/2 (12mm)	.50	.75



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Tube Cutter

Part No.	Description
3000 71 11	Tube cutter for tubing and push-on hose. for hoses up to 1" (25mm). Weight: 1.09oz.
3000 71 11 05	Replacement Blades



Tube Cutter

Part No.	Description
PTC-001	Plastic Tube Cutter – May be used with polyethylene, polypropylene, nylon, and other thermoplastic tubing. For tube O.D. sizes 1/8" to 1/2"
PTC-001RB	Replacement Blades



Quick Release Tool

Part No.	Description
AQRT	Quick release tool makes disconnection of tube adapters and tubing a breeze.



0139 Bi-Material Captive Sealing Washer BSPP

Part No.	C BSPP	G (mm)	G2 (mm)	K (mm)	WT. oz
0139 10 00	G1/8	14	1	1.8	.001
0139 13 00	G1/4	17	1	1.8	.001
0139 17 00	G3/8	22	1.3	2.1	.001
0139 21 00	G1/2	26	1.6	2.4	.002



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PRESTOLOK PLP

Composite Push-to-Connect Fittings

Prestolok push-to-connect composite fittings with its wide variety configurations allows you to find the perfect product to meet your needs, optimizing the use of your equipment.

Product Features:

- Stainless steel grab ring
- Glass-reinforced nylon 6.6 body
- Nitrile seal
- Nylon release button
- Corrosion and chemical resistance
- NPT, BSPT, BSPP, and metric threads
- Silicone Free

Markets:

- Pneumatic
- Industrial
- Robotic
- Automation
- Printing
- Packaging
- Textile

Compatible Media:

- Compressed Air
- Inert Gases
- Vacuum

Compatible Tubing:

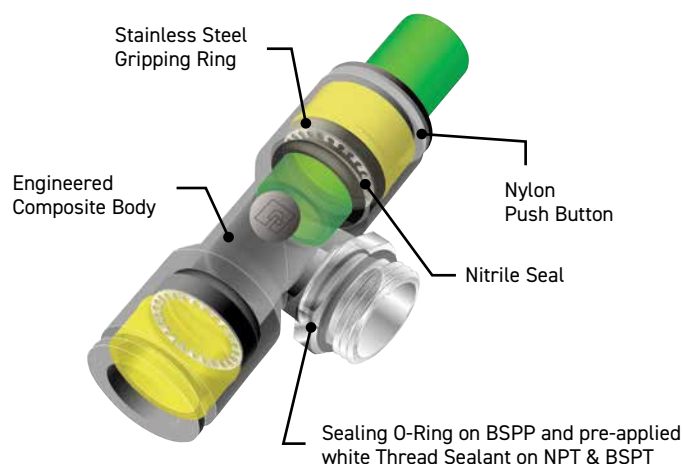
- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A*
- Nylon
- Fluoropolymer
- Polyethylene

Assembly Instructions

1. Cut tubing squarely maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.

Specifications:

Pressure Range	Up to 290 PSI (19.9 bar) depending on tubing
(3/16" size only)	Up to 260 PSI (17.9 bar) depending on tubing
Temperature Range	-4° to +175° F (-20° to +79.4° C)
(3/16" size only)	5° to +155° F (-15° to +68.3° C)
Vacuum Rating	28" Hg

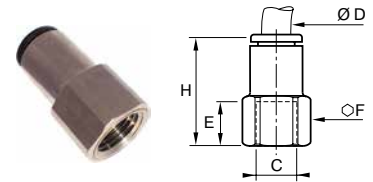


*Tube Support Required



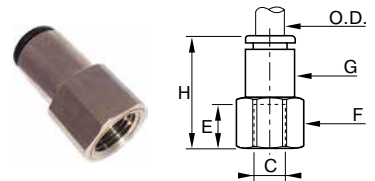
WARNING

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66LF Female Connector – BSPP

Part No.	Tube Size (mm)	Thread BSPP	E (mm)	F (mm)	H (mm)
66LF-4M-M5	4	M5X0.8	6.5	8	19.5
66LF-4M-2G	4	1/8	9.5	13	22.5
66LF-4M-4G	4	1/4	13.5	16	26.5
66LF-6M-2G	6	1/8	9.5	13	24.5
66LF-6M-4G	6	1/4	13.5	16	28.5
66LF-8M-2G	8	1/8	9.5	13	29.0
66LF-8M-4G	8	1/4	13.5	16	33.0
66LF-8M-6G	8	3/8	14.0	19	34.0
66LF-10M-4G	10	1/4	13.5	16	36.0
66LF-10M-6G	10	3/8	14.0	19	36.0
66LF-10M-8G	10	1/2	19.5	24	41.5
66LF-12M-4G	12	1/4	14.0	19	39.5
66LF-12M-6G	12	3/8	14.0	19	40.0
66LF-12M-8G	12	1/2	19.5	24	45.5
66LF-14M-6G	14	3/8	14.0	22	42.5
66LF-16M-8G	16	1/2	15.0	27	49.0



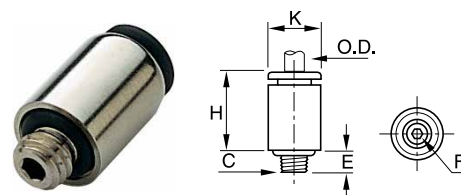
66LF Female Connector – NPT

Part No.	Tube Size (in)	Thread NPT	F (mm)	G (in)	H (in)	E (in)
66LF-2-2	1/8	1/8	13	.43	.87	.37
66LF-2-4	1/8	1/4	16	.43	1.05	.55
66LF-4M-2	5/32 (4mm)	1/8	13	.35	.89	.37
66LF-4M-4	5/32 (4mm)	1/4	16	.33	1.06	.55
66LF-4-2	1/4	1/8	13	.42	.98	.37
66LF-4-4	1/4	1/4	16	.42	1.16	.55
66LF-8M-2	5/16 (8mm)	1/8	13	.53	1.14	.37
66LF-8M-4	5/16 (8mm)	1/4	16	.53	1.32	.55
66LF-6-2	3/8	1/8	16	.61	1.22	.37
66LF-6-4	3/8	1/4	16	.61	1.40	.55
66LF-6-6	3/8	3/8	22	.61	1.52	.65
66LF-8-4	1/2	1/4	20	.84	1.73	.47
66LF-8-6	1/2	3/8	22	.85	1.81	.65
66LF-8-8	1/2	1/2	24	.85	1.93	.77



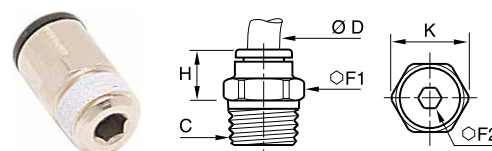
WARNING

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68LFR Male Connector – UNF

Part No.	Tube Size (in)	C UNF	E (in)	F (mm)	H (in)	K (in)
68LFR-2-0	1/8	10-32	.13	2.0	.49	.32
68LFR-4M-0	5/32 (4mm)	10-32	.13	2.0	.54	.34
68LFR-4-0	1/4	10-32	.13	2.0	.64	.46
68LFR-4-M5	1/4	M5	.14	2.5	.65	.41
68LFR-4-M7	1/4	M7	.18	4.0	.65	.41



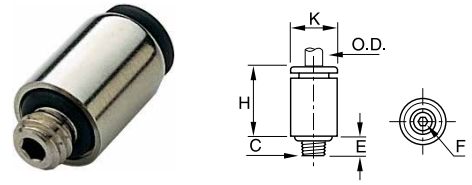
W68LF Male Connector – NPT

Part No.	Tube Size (in)	C NPT	F1 (mm)	F2 (in)	H (in)	K (in)
W68LF-2-1	1/8	1/16	10	.07	.413	.433
W68LF-2-2	1/8	1/8	11	.07	.283	.472
W68LF-2-4	1/8	1/4	14	.07	.315	.591
W68LF-4M-2	5/32 (4mm)	1/8	11	.11	.334	.472
W68LF-4M-4	5/32 (4mm)	1/4	14	.11	.275	.590
W68LF-4-2	1/4	1/8	11	.16	.472	.472
W68LF-4-4	1/4	1/4	14	.16	.374	.590
W68LF-4-6	1/4	3/8	18	.19	.295	.767
W68LF-8M-2	5/16 (8mm)	1/8	13	.19	.787	.551
W68LF-8M-4	5/16 (8mm)	1/4	14	.25	.661	.590
W68LF-8M-6	5/16 (8mm)	3/8	18	.25	.464	.767
W68LF-6-2	3/8	1/8	16	.16	.894	.689
W68LF-6-4	3/8	1/4	16	.28	.807	.689
W68LF-6-6	3/8	3/8	18	.28	.689	.767
W68LF-6-8	3/8	1/2	22	.28	.610	.945
W68LF-8-4	1/2	1/4	22	.25	1.100	.945
W68LF-8-6	1/2	3/8	22	.28	1.100	.945
W68LF-8-8	1/2	1/2	22	.28	1.100	.945



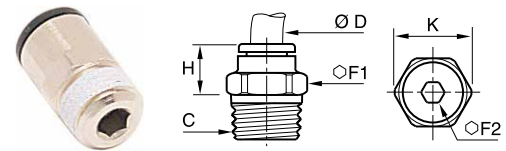
WARNING

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68LFR Male Connector Metric Straight Thread

Part No.	Tube Size (mm)	C UNF	E (mm)	F (mm)	H (mm)	K (mm)
68LFR-4M-M7	4	M7X1	4.6	3	14	9.95
68LFR-4M-M5	4	M5X0.8	3.5	2.5	14.5	8.50
68LFR-6M-M7	6	M7X1	4.6	3	16	9.90



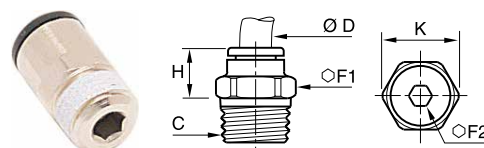
W68LF Male Connector – BSPT

Part No.	Tube Size (in)	C BSPT	F1 mm	F2 mm	H (in)	K (in)
W68LF-2-2R	1/8	1/8	10	2	.335	.433
W68LF-5/32-2R	5/32	1/8	10	3	.370	.430
W68LF-5/32-4R	5/32	1/4	14	3	.260	.590
W68LF-3-2R	3/16	1/8	11	3	.610	.510
W68LF-3-4R	3/16	1/4	14	3	.590	.650
W68LF-4-2R	1/4	1/8	11	4	.472	.472
W68LF-4-4R	1/4	1/4	14	4	.374	.591
W68LF-5-2R	5/16	1/8	13	5	.790	.550
W68LF-5-4R	5/16	1/4	14	6	.670	.590
W68LF-5-6R	5/16	3/8	17	6	.510	.730
W68LF-5-8R	5/16	1/2	21	6	.470	.910
W68LF-6-4R	3/8	1/4	16	7	.807	.689
W68LF-6-6R	3/8	3/8	17	7	.650	.728
W68LF-6-8R	3/8	1/2	21	7	.551	.906
W68LF-8-4R	1/2	1/4	22	6	1.060	.945
W68LF-8-6R	1/2	3/8	22	7	1.020	.945
W68LF-8-8R	1/2	1/2	24	7	.807	1.020



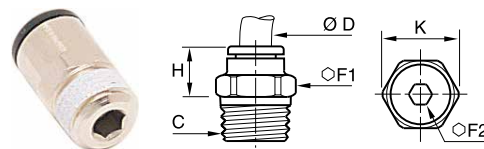
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W68LF Male Connector Metric to NPT

Part No.	Tube Size (mm)	C NPT	F1 (mm)	F2 (in)	H (in)	K (in)
W68LF-4M-2	4	1/8	11	3	.33	.47
W68LF-4M-4	4	1/4	14	3	.28	.59
W68LF-6M-2	6	1/8	11	4	.45	.47
W68LF-6M-4	6	1/4	14	4	.33	.59
W68LF-8M-2	8	1/8	13	5	.79	.55
W68LF-8M-4	8	1/4	14	6	.66	.59
W68LF-8M-6	8	3/8	18	6	.46	.77
W68LF-10M-4	10	1/4	16	7	.79	.69
W68LF-10M-6	10	3/8	18	8	.65	.77
W68LF-10M-8	10	1/2	22	8	.55	.95
W68LF-12M-6	12	3/8	19	9	.95	.83
W68LF-12M-8	12	1/2	22	10	.77	.95



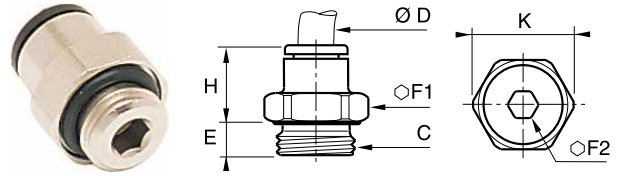
W68LF Male Connector Metric to BSPT

Part No.	Tube Size (mm)	C BSPT	F1 (mm)	F2 (mm)	H (mm)	K (mm)
W68LF-4M-2R	4	1/8	10	3	9.5	11.0
W68LF-4M-4R	4	1/4	14	3	6.5	15.0
W68LF-4M-6R	4	3/8	17	3	8.0	18.5
W68LF-6M-2R	6	1/8	11	4	11.5	11.0
W68LF-6M-4R	6	1/4	14	4	8.5	15.0
W68LF-6M-6R	6	3/8	17	4	8.5	18.5
W68LF-6M-8R	6	1/2	21	4	9.0	23.0
W68LF-8M-2R	8	1/8	13	5	20.0	14.0
W68LF-8M-4R	8	1/4	14	6	17.0	15.0
W68LF-8M-8R	8	1/2	21	6	12.0	23.0
W68LF-10M-2R	10	1/8	16	5	22.5	17.5
W68LF-10M-4R	10	1/4	16	7	20.0	17.5
W68LF-10M-6R	10	3/8	17	8	16.5	18.5
W68LF-10M-8R	10	1/2	21	8	14.0	23.0
W68LF-12M-4R	12	1/4	19	7	26.5	21.0
W68LF-12M-6R	12	3/8	19	9	24.0	21.0
W68LF-12M-8R	12	1/2	21	9	19.5	23.0
W68LF-14M-6R	14	3/8	22	9	28.5	24.0
W68LF-14M-8R	14	1/2	24	10	23.5	26.0



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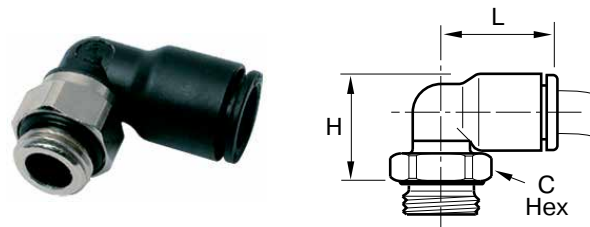
68LF Male Connector Metric to BSPP

Part No.	Tube Size (mm)	C BSPP	E (mm)	F1 mm	F2 mm	H (mm)	K (mm)
68LF-3M-M3	3	M3X0.5	2.50	8	-	12.5	8.5
68LF-3M-M5	3	M5X0.8	3.50	8	2.5	12.5	8.5
68LF-4M-M3	4	M3X0.5	2.50	8	-	14.5	8.5
68LF-4M-M5	4	M5X0.8	3.50	8	2.5	14.0	8.5
68LF-4M-M7	4	M7X1	5.00	10	2.5	14.0	11.0
68LF-4M-2G	4	1/8	4.50	13	3.0	11.5	14.0
68LF-4M-4G	4	1/4	5.50	16	3.0	10.5	17.5
68LF-6M-M5	6	M5X0.8	3.50	10	2.5	16.0	11.0
68LF-6M-M7	6	M7X1	5.00	10	3.0	16.0	11.0
68LF-6M-M10	6	M10X1	5.00	13	4.0	13.0	14.0
68LF-6M-M12	6	M12X1.5	5.50	15	4.0	13.0	16.0
68LF-6M-2G	6	1/8	4.50	13	4.0	13.0	14.0
68LF-6M-4G	6	1/4	5.50	16	4.0	12.5	17.5
68LF-6M-6G	6	3/8	5.50	20	4.0	13.0	22.0
68LF-6M-8G	6	1/2	7.50	24	4.0	20.0	26.0
68LF-8M-M10	8	M10X1	5.00	13	5.0	21.0	14.0
68LF-8M-M12	8	M12X1.5	5.50	15	5.0	21.0	16.0
68LF-8M-2G	8	1/8	4.50	13	5.0	20.5	14.0
68LF-8M-4G	8	1/4	5.50	16	6.0	19.5	17.5
68LF-8M-6G	8	3/8	5.50	20	6.0	18.0	22.0
68LF-8M-8G	8	1/2	7.50	24	6.0	16.5	26.0
68LF-10M-4G	10	1/4	5.50	16	7.0	23.0	17.5
68LF-10M-6G	10	3/8	5.50	20	8.0	19.5	22.0
68LF-10M-8G	10	1/2	7.50	24	8.0	18.5	26.0
68LF-12M-4G	12	1/4	5.50	19	7.0	27.5	21.0
68LF-12M-6G	12	3/8	5.50	20	9.0	27.0	22.0
68LF-12M-8G	12	1/2	7.00	24	10.0	22.5	26.0
68LF-14M-6G	14	3/8	5.50	22	9.0	29.5	24.0
68LF-14M-8G	14	1/2	7.00	24	11.0	28.0	26.0



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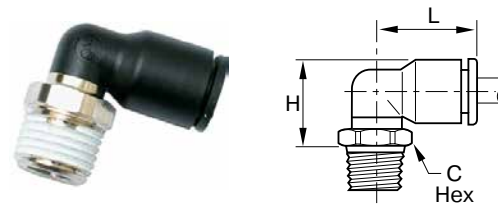
369PLP Male Elbow - BSPP

Part No.	Tube Size (mm)	BSPP / Metric	C Hex (mm)	H	L
369PLP-3M-M3	3	M3X0.5	8	15.0	14.5
369PLP-3M-M5	3	M5X0.8	8	13.5	14.5
369PLP-4M-M3	4	M3X0.5	8	15.0	14.5
369PLP-4M-M5	4	M5X0.8	8	13.5	14.0
369PLP-4M-2G	4	1/8	13	13.0	14.0
369PLP-4M-4G	4	1/4	16	13.0	14.0
369PLP-6M-M5	6	M5X0.8	8	15.5	16.0
369PLP-6M-M7	6	M7X1	10	17.5	16.0
369PLP-6M-M10	6	M10X1	13	15.0	14.0
369PLP-6M-M12	6	M12X1.5	15	15.0	16.0
369PLP-6M-2G	6	1/8	13	15.0	16.0
369PLP-6M-4G	6	1/4	16	15.0	16.0
369PLP-6M-6G	6	3/8	20	15.5	16.0
369PLP-6M-8G	6	1/2	24	16.0	16.0
369PLP-8M-M10	8	M10X1	13	20.5	23.0
369PLP-8M-M12	8	M12X1.5	15	19.5	23.0
369PLP-8M-2G	8	1/8	13	20.5	23.0
369PLP-8M-4G	8	1/4	16	18.5	23.0
369PLP-8M-6G	8	3/8	20	18.5	23.0
369PLP-8M-8G	8	1/2	24	19.0	23.0
369PLP-10M-4G	10	1/4	16	23.5	26.5
369PLP-10M-6G	10	3/8	20	22.0	26.5
369PLP-10M-8G	10	1/2	24	22.0	26.5
369PLP-12M-4G	12	1/4	16	26.5	31.0
369PLP-12M-6G	12	3/8	20	25.0	31.0
369PLP-12M-8G	12	1/2	24	25.0	31.0
369PLP-14M-6G	14	3/8	20	32.5	35.5
369PLP-14M-8G	14	1/2	24	27.0	35.5
369PLP-16M-6G	16	3/8	27	54.5	39
369PLP-16M-8G	16	1/2	27	54.5	39



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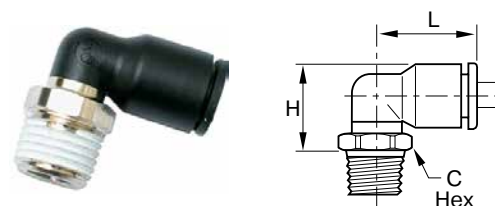
W369PLP Male Elbow - NPT

Part No.	Tube Size (in)	Thread NPT / UNF	C Hex (mm)	L	H
369PLP-2-0	1/8	10-32	8	.57	.52
W369PLP-2-1	1/8	1/16	10	.57	.53
W369PLP-2-2	1/8	1/8	11	.57	.53
W369PLP-2-4	1/8	1/4	14	.57	.55
369PLP-4M-0	5/32 (4mm)	10-32	8	.55	.53
W369PLP-4M-2	5/32 (4mm)	1/8	11	.55	.53
W369PLP-4M-4	5/32 (4mm)	1/4	14	.55	.55
W369PLP-3-2	3/16	1/8	11	.85	.67
369PLP-4-0	1/4	10-32	11	.71	.63
W369PLP-4-2	1/4	1/8	11	.71	.67
W369PLP-4-4	1/4	1/4	14	.71	.63
W369PLP-4-6	1/4	3/8	18	.71	.65
W369PLP-8M-2	5/16 (8mm)	1/8	11	.91	.75
W369PLP-8M-4	5/16 (8mm)	1/4	14	.91	.71
W369PLP-8M-6	5/16 (8mm)	3/8	18	.91	.73
W369PLP-6-2	3/8	1/8	15	1.08	.91
W369PLP-6-4	3/8	1/4	15	1.08	.91
W369PLP-6-6	3/8	3/8	18	1.08	.87
W369PLP-6-8	3/8	1/2	22	1.08	.91
W369PLP-8-4	1/2	1/4	20	1.38	1.22
W369PLP-8-6	1/2	3/8	20	1.38	1.22
W369PLP-8-8	1/2	1/2	24	1.38	1.12



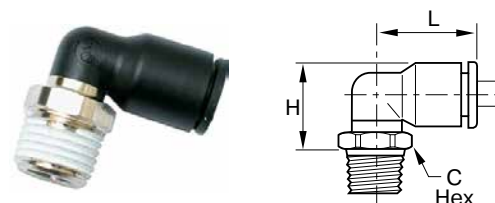
WARNING

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W369PLP Male Elbow - BSPT

Part No.	Tube Size (in)	Thread BSPT	C Hex (mm)	L	H
W369PLP-2-2R	1/8	1/8	10	.57	.53
W369PLP-4M-2R	5/32 (4mm)	1/8	10	.55	.53
W369PLP-4M-4R	5/32 (4mm)	1/4	14	.55	.55
W369PLP-3-2R	3/16	1/8	11	.85	.67
W369PLP-4-2R	1/4	1/8	10	.71	.67
W369PLP-4-4R	1/4	1/4	14	.71	.63
W369PLP-8M-2R	5/16 (8mm)	1/8	10	.91	.75
W369PLP-8M-4R	5/16 (8mm)	1/4	14	.91	.71
W369PLP-8M-6R	5/16 (8mm)	3/8	17	.91	.71
W369PLP-8M-8R	5/16 (8mm)	1/2	21	.91	.77
W369PLP-6-4R	3/8	1/4	15	1.04	.87
W369PLP-6-6R	3/8	3/8	17	1.04	.87
W369PLP-8-4R	1/2	1/4	20	1.38	1.22
W369PLP-8-6R	1/2	3/8	20	1.38	1.22
W369PLP-8-8R	1/2	1/2	24	1.38	1.12



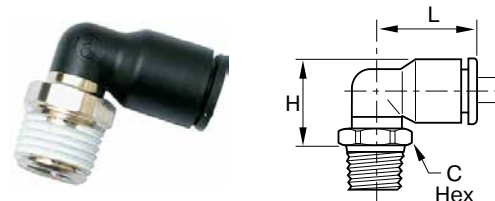
W369PLP Male Elbow - NPT

Part No.	Tube Size (mm)	Thread NPT	C Hex (mm)	H	L
W369PLP-4M-2	4	1/8	11	.53	.55
W369PLP-4M-4	4	1/4	14	.55	.55
W369PLP-6M-2	6	1/8	11	.61	.63
W369PLP-6M-4	6	1/4	14	.63	.63
W369PLP-8M-2	8	1/8	11	.75	.91
W369PLP-8M-4	8	1/4	14	.71	.91
W369PLP-8M-6	8	3/8	18	.73	.91
W369PLP-10M-4	10	1/4	15	.91	1.04
W369PLP-10M-6	10	3/8	18	.87	1.04
W369PLP-10M-8	10	1/2	22	.91	1.04
W369PLP-12M-6	12	3/8	18	.98	1.22
W369PLP-12M-8	12	1/2	22	1.02	1.22



WARNING

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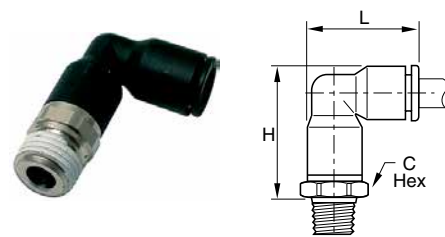
W369PLP Male Elbow - BSPT

Part No.	Tube Size (mm)	Thread BSPT	C Hex (mm)	H	L
W369PLP-4M-2R	4	1/8	10	13.5	14.0
W369PLP-4M-4R	4	1/4	14	14.0	14.0
W369PLP-4M-6R	4	3/8	17	13.5	14.0
W369PLP-6M-2R	6	1/8	10	15.5	16.0
W369PLP-6M-4R	6	1/4	14	16.0	16.0
W369PLP-6M-6R	6	3/8	17	16.0	16.0
W369PLP-6M-8R	6	1/2	21	16.5	16.0
W369PLP-8M-2R	8	1/8	10	19.0	23.0
W369PLP-8M-4R	8	1/4	14	18.0	23.0
W369PLP-8M-6R	8	3/8	17	18.0	23.0
W369PLP-8M-8R	8	1/2	21	19.5	23.0
W369PLP-10M-2R	10	1/8	15	23.0	26.5
W369PLP-10M-4R	10	1/4	15	22.0	26.5
W369PLP-10M-6R	10	3/8	17	22.0	26.5
W369PLP-10M-8R	10	1/2	21	22.0	26.5
W369PLP-12M-4R	12	1/4	15	25.0	31.0
W369PLP-12M-6R	12	3/8	17	25.0	31.0
W369PLP-12M-8R	12	1/2	21	25.0	31.0
W369PLP-14M-6R	14	3/8	20	30.5	35.5
W369PLP-14M-8R	14	1/2	24	28.5	35.5
W369PLP-16M-6R	16	3/8	27	53	39.0
W369PLP-16M-8R	16	1/2	27	53	39.0



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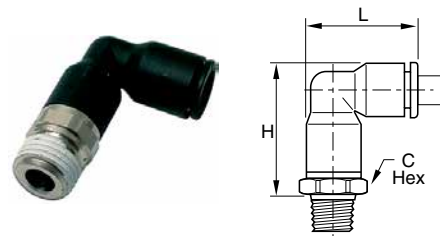
W369PLPX Extended Male Elbow - NPT

Part No.	Tube Size (in)	Thread NPT / UNF	C Hex (mm)	H	L
369PLPX-2-0	1/8	10-32	8	.91	.75
W369PLPX-2-2	1/8	1/8	11	.91	.75
W369PLPX-2-4	1/8	1/4	14	.93	.75
369PLPX-4M-0	5/32 (4mm)	10-32	8	.91	.75
W369PLPX-4M-2	5/32 (4mm)	1/8	11	.91	.75
W369PLPX-4M-4	5/32 (4mm)	1/4	14	.93	.75
369PLPX-4-0	1/4	10-32	11	1.10	.93
369PLPX-4-M7	1/4	M7	9	1.17	.93
W369PLPX-4-2	1/4	1/8	11	1.12	.93
W369PLPX-4-4	1/4	1/4	14	1.08	.93
W369PLPX-4-6	1/4	3/8	17	1.12	.93
W369PLPX-8M-2	5/16 (8mm)	1/8	13	1.32	1.16
W369PLPX-8M-4	5/16 (8mm)	1/4	14	1.28	1.16
W369PLPX-6-2	3/8	1/8	17	1.40	1.34
W369PLPX-6-4	3/8	1/4	17	1.41	1.33
W369PLPX-6-6	3/8	3/8	18	1.45	1.33



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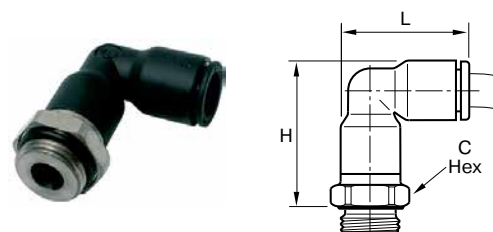
W369PLPX Extended Male Elbow - BSPT

Part No.	Tube Size (mm)	Thread BSPT	C Hex (mm)	H	L
W369PLPX-4M-2R	4	1/8	10	23.0	19.0
W369PLPX-4M-4R	4	1/4	14	23.5	19.0
W369PLPX-6M-2R	6	1/8	10	27.0	22.5
W369PLPX-6M-4R	6	1/4	14	27.5	22.5
W369PLPX-8M-2R	8	1/8	13	34.5	29.5
W369PLPX-8M-4R	8	1/4	14	32.5	29.5
W369PLPX-8M-6R	8	3/8	17	33.0	29.5
W369PLPX-10M-4R	10	1/4	15	39.5	34.5
W369PLPX-10M-6R	10	3/8	17	39.5	34.5
W369PLPX-10M-8R	10	1/2	21	39.5	34.5
W369PLPX-12M-4R	12	1/4	19	45.5	40.5
W369PLPX-12M-6R	12	3/8	19	45.5	40.5
W369PLPX-12M-8R	12	1/2	21	45.5	40.5
W369PLPX-14M-6R	14	3/8	21	51.5	46.5
W369PLPX-14M-8R	14	1/2	21	51.5	46.5



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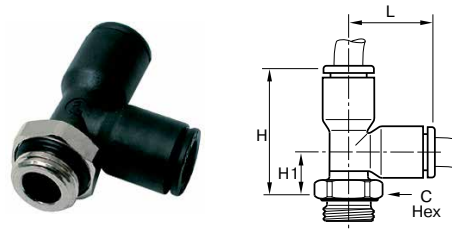
369PLPX Extended Male Elbow - BSPP

Part No.	Tube Size (mm)	BSPP / Metric	C Hex (mm)	H
369PLPX-4M-M5	4	M5X0.8	8	23.0
369PLPX-4M-M7	4	M7X1	10	22.5
369PLPX-4M-2G	4	1/8	13	22.5
369PLPX-4M-4G	4	1/4	16	22.5
369PLPX-6M-M5	6	M5X0.8	10	27.5
369PLPX-6M-M7	6	M7X1	10	26.0
369PLPX-6M-2G	6	1/8	13	27.0
369PLPX-6M-4G	6	1/4	16	27.0
369PLPX-8M-2G	8	1/8	13	36.0
369PLPX-8M-4G	8	1/4	16	33.0
369PLPX-8M-6G	8	3/8	20	33.0
369PLPX-10M-4G	10	1/4	16	40.5
369PLPX-10M-6G	10	3/8	20	40.5
369PLPX-10M-8G	10	1/2	24	40.5
369PLPX-12M-4G	12	1/4	19	44.5
369PLPX-12M-6G	12	3/8	20	42.0
369PLPX-12M-8G	12	1/2	24	42.0
369PLPX-14M-6G	14	3/8	22	51.0
369PLPX-14M-8G	14	1/2	24	48.5



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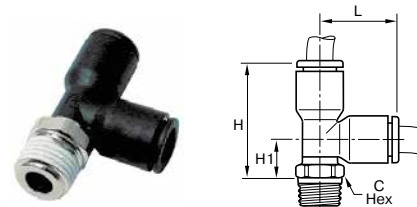
371PLP Male Run Tee - BSPP

Part No.	Tube Size (mm)	BSPP / M5	C Hex (mm)	H	H1	L
371PLP-4M-M5	4	M5X0.8	8	26.0	11.5	14.5
371PLP-4M-2G	4	1/8	13	23.0	8.5	14.5
371PLP-4M-4G	4	1/4	16	23.0	8.5	14.5
371PLP-6M-M5	6	M5X0.8	8	29.5	12.5	17.5
371PLP-6M-2G	6	1/8	13	27.0	10.0	17.5
371PLP-6M-4G	6	1/4	16	27.0	10.0	17.5
371PLP-8M-2G	8	1/8	13	36.5	14.0	23.0
371PLP-8M-4G	8	1/4	16	34.5	12.0	23.0
371PLP-8M-6G	8	3/8	20	34.5	12.0	23.0
371PLP-10M-4G	10	1/4	16	42.0	15.5	26.5
371PLP-10M-6G	10	3/8	20	40.5	14.0	26.5
371PLP-10M-8G	10	1/2	24	40.5	14.0	26.5
371PLP-12M-4G	12	1/4	16	48.0	17.0	31.0
371PLP-12M-6G	12	3/8	20	46.5	15.5	31.0
371PLP-12M-8G	12	1/2	24	46.5	15.5	31.0
371PLP-14M-6G	14	3/8	20	56.5	21.5	35.5
371PLP-14M-8G	14	1/2	24	51.0	16.0	35.5
371PLP-16M-6G	16	3/8	27	38.5	79.5	41
371PLP-16M-8G	16	1/2	27	38.5	79.5	41



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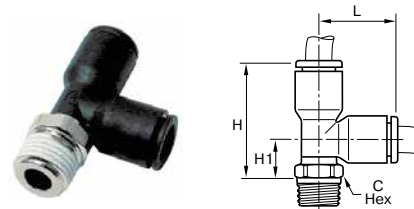
W371PLP Male Run Tee - BSPT

Part No.	Tube Size (mm)	Thread BSPT	C Hex (mm)	H	H1	L
W371PLP-4M-2R	4	1/8	10	23.5	9.0	14.5
W371PLP-4M-4R	4	1/4	14	24.0	9.5	14.5
W371PLP-6M-2R	6	1/8	10	27.5	10.0	17.5
W371PLP-6M-4R	6	1/4	14	28.0	10.5	17.5
W371PLP-8M-2R	8	1/8	10	35.0	12.0	23.0
W371PLP-8M-4R	8	1/4	14	34.0	11.0	23.0
W371PLP-8M-6R	8	3/8	17	34.0	11.0	23.0
W371PLP-10M-4R	10	1/4	15	40.5	14.0	26.5
W371PLP-10M-6R	10	3/8	17	40.5	14.0	26.5
W371PLP-10M-8R	10	1/2	21	40.5	14.0	26.5
W371PLP-12M-4R	12	1/4	15	46.5	15.5	31.0
W371PLP-12M-6R	12	3/8	17	46.5	15.5	31.0
W371PLP-12M-8R	12	1/2	21	46.5	15.5	31.0
W371PLP-14M-8R	14	1/2	24	52.5	17.5	35.5
W371PLP-16M-6R	16	3/8	27	38.5	78	39.5
W371PLP-16M-8R	16	1/2	27	38.5	78	39.5



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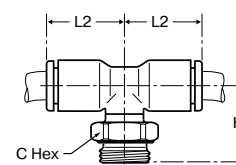
W371PLP Male Run Tee - NPT

Part No.	Tube Size (in)	Thread NPT / UNF	C Hex (mm)	L	H	H1
371PLP-2-0	1/8	10-32	8	.57	.92	.35
W371PLP-2-1	1/8	1/16	10	.57	.93	.35
W371PLP-2-2	1/8	1/8	11	.57	.93	.35
371PLP-4M-0	5/32 (4mm)	10-32	8	.57	1.02	.45
W371PLP-4M-2	5/32 (4mm)	1/8	11	.57	.93	.53
W371PLP-4M-4	5/32 (4mm)	1/4	14	.57	.94	.37
W371PLP-3-2	3/16	1/8	11	.85	1.31	.45
W371PLP-4-2	1/4	1/8	11	.69	1.16	.45
W371PLP-4-4	1/4	1/4	14	.69	1.12	.41
W371PLP-4-6	1/4	3/8	18	.69	1.14	.43
W371PLP-8M-2	5/16 (8mm)	1/8	11	.91	1.38	.49
W371PLP-8M-4	5/16 (8mm)	1/4	14	.91	1.34	.45
W371PLP-8M-6	5/16 (8mm)	3/8	18	.91	1.36	.47
W371PLP-6-2	3/8	1/8	15	1.04	1.63	.60
W371PLP-6-4	3/8	1/4	15	1.04	1.63	.60
W371PLP-6-6	3/8	3/8	18	1.04	1.60	.55
W371PLP-6-8	3/8	1/2	22	1.04	1.63	.59
W371PLP-8-4	1/2	1/4	20	1.38	2.17	.79
W371PLP-8-6	1/2	3/8	20	1.38	2.17	.79
W371PLP-8-8	1/2	1/2	24	1.38	2.07	.79



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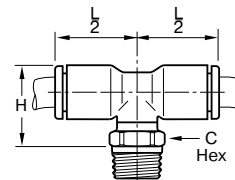
372PLP Male Branch Tee - BSPP

Part No.	Tube Size (mm)	BSPP / M5	C Hex (mm)	H	L2
372PLP-4M-M5	4	M5X0.8	8	17.5	14.0
372PLP-4M-2G	4	1/8	13	15.0	14.0
372PLP-4M-4G	4	1/4	16	15.0	14.0
372PLP-6M-M5	6	M5X0.8	8	19.5	16.0
372PLP-6M-2G	6	1/8	13	17.0	16.0
372PLP-6M-4G	6	1/4	16	17.0	16.0
372PLP-8M-2G	8	1/8	13	23.5	23.0
372PLP-8M-4G	8	1/4	16	21.5	23.0
372PLP-8M-6G	8	3/8	20	21.5	23.0
372PLP-10M-4G	10	1/4	16	26.0	26.5
372PLP-10M-6G	10	3/8	20	24.0	26.5
372PLP-10M-8G	10	1/2	24	24.0	26.5
372PLP-12M-4G	12	1/4	16	29.0	31.0
372PLP-12M-6G	12	3/8	20	27.0	31.0
372PLP-12M-8G	12	1/2	24	27.0	31.0
372PLP-14M-6G	14	3/8	20	32.5	35.5
372PLP-14M-8G	14	1/2	24	27.0	35.5
372PLP-16M-6G	16	3/8	27	54.5	38.5
372PLP-16M-8G	16	1/2	27	54.5	38.5



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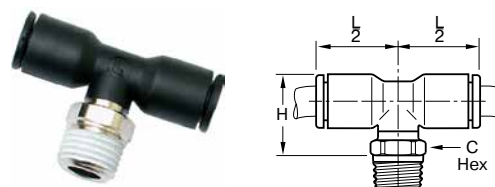
W372PLP Male Branch Tee - BSPT

Part No.	Tube Size (in)	Thread BSPT	C Hex (mm)	L2	H
W372PLP-2-2R	1/8	1/8	10	.55	.61
W372PLP-4M-2R	5/32 (4mm)	1/8	10	.55	.61
W372PLP-4M-4R	5/32 (4mm)	1/4	14	.55	.63
W372PLP-3-2R	3/16	1/8	11	.85	.67
W372PLP-3-4R	3/16	1/4	14	.85	.67
W372PLP-4-2R	1/4	1/8	10	.71	.67
W372PLP-4-4R	1/4	1/4	14	.71	.63
W372PLP-8M-2R	5/16 (8mm)	1/8	10	.91	.87
W372PLP-8M-4R	5/16 (8mm)	1/4	14	.91	.83
W372PLP-8M-6R	5/16 (8mm)	3/8	17	.91	.83
W372PLP-6-4R	3/8	1/4	15	1.04	.95
W372PLP-6-6R	3/8	3/8	17	1.04	.95
W372PLP-8-4R	1/2	1/4	20	1.38	1.24
W372PLP-8-6R	1/2	3/8	20	1.38	1.22



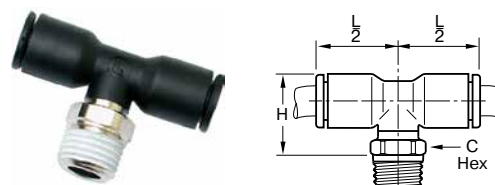
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W372PLP Male Branch Tee - BSPT

Part No.	Tube Size (mm)	BSPT	C Hex (mm)	H	L2
W372PLP-4M-2R	4	1/8	10	15.5	14.0
W372PLP-4M-4R	4	1/4	14	16.0	14.0
W372PLP-6M-2R	6	1/8	10	17.5	16.0
W372PLP-6M-4R	6	1/4	14	18.0	16.0
W372PLP-8M-2R	8	1/8	10	22.0	23.0
W372PLP-8M-4R	8	1/4	14	21.0	23.0
W372PLP-8M-6R	8	3/8	17	21.0	23.0
W372PLP-10M-4R	10	1/4	15	24.0	26.5
W372PLP-10M-6R	10	3/8	17	24.0	26.5
W372PLP-10M-8R	10	1/2	21	24.0	26.5
W372PLP-12M-4R	12	1/4	15	27.0	31.0
W372PLP-12M-6R	12	3/8	17	27.0	31.0
W372PLP-12M-8R	12	1/2	21	27.0	31.0
W372PLP-14M-6R	14	3/8	20	30.5	35.5
W372PLP-14M-8R	14	1/2	24	28.5	35.5
W372PLP-16M-6R	16	3/8	27	53.0	38.5
W372PLP-16M-8R	16	1/2	27	53.0	38.5



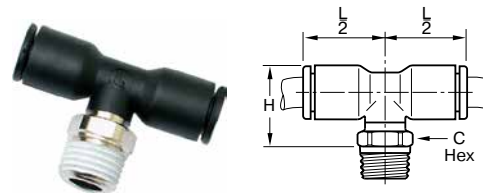
W372PLP Male Branch Tee - NPT

Part No.	Tube Size (mm)	NPT	C Hex (mm)	H	L2
W372PLP-4M-2	4	1/8	11	.61	.55
W372PLP-4M-4	4	1/4	14	.63	.55
W372PLP-6M-2	6	1/8	11	.69	.63
W372PLP-6M-4	6	1/4	14	.71	.63
W372PLP-8M-2	8	1/8	11	.87	.91
W372PLP-8M-4	8	1/4	14	.83	.91
W372PLP-8M-6	8	3/8	18	.85	.91
W372PLP-10M-4	10	1/4	15	.98	1.04
W372PLP-10M-6	10	3/8	18	.95	1.04
W372PLP-10M-8	10	1/2	22	.98	1.04
W372PLP-12M-6	12	3/8	18	1.06	1.22
W372PLP-12M-8	12	1/2	22	.98	1.22



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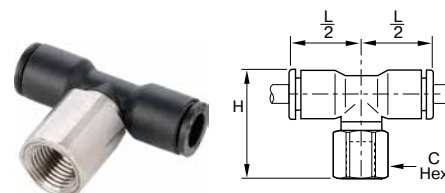
W372PLP Male Branch Tee - NPT

Part No.	Tube Size (in)	Thread NPT / UNF	C Hex (mm)	L2	H
372PLP-2-0	1/8	10-32	8	.57	.61
W372PLP-2-1	1/8	1/16	10	.57	.61
W372PLP-2-2	1/8	1/8	11	.57	.61
W372PLP-2-4	1/8	1/4	14	.57	.63
372PLP-4M-0	5/32 (4mm)	10-32	8	.55	.71
W372PLP-4M-4	5/32 (4mm)	1/4	14	.55	.63
W372PLP-3-2	3/16	1/8	11	.85	.67
W372PLP-4-2	1/4	1/8	11	.71	.67
W372PLP-4-4	1/4	1/4	14	.71	.63
W372PLP-4-6	1/4	3/8	18	.71	.65
W372PLP-5-2	5/16	1/8	11	.91	.87
W372PLP-5-4	5/16	1/4	14	.91	.83
W372PLP-5-6	5/16	3/8	18	.91	.85
W372PLP-6-2	3/8	1/8	15	1.04	.99
W372PLP-6-4	3/8	1/4	15	1.04	.99
W372PLP-6-6	3/8	3/8	18	1.04	.95
W372PLP-6-8	3/8	1/2	22	1.04	.98
W372PLP-8-4	1/2	1/4	20	1.38	1.22
W372PLP-8-6	1/2	3/8	20	1.38	1.22
W372PLP-8-8	1/2	1/2	24	1.38	1.21



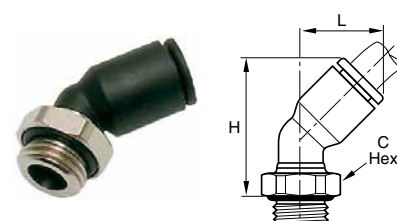
WARNING

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377PLP Female Branch Tee - NPT

Part No.	Tube Size (in)	Thread NPT / UNF	C Hex (mm)	L2	H
377PLP-2-2	1/8	1/8	13	.57	.99
377PLP-4M-2	5/32 (4mm)	1/8	13	.55	.91
377PLP-4M-4	5/32 (4mm)	1/4	16	.55	1.08
377PLP-4-2	1/4	1/8	13	.71	1.02
377PLP-4-4	1/4	1/4	16	.71	1.18
377PLP-8M-2	5/16 (8mm)	1/8	13	.91	1.24
377PLP-8M-4	5/16 (8mm)	1/4	16	.91	1.40
377PLP-6-4	3/8	1/4	16	1.04	1.60
377PLP-8-6	1/2	3/8	22	1.38	1.88



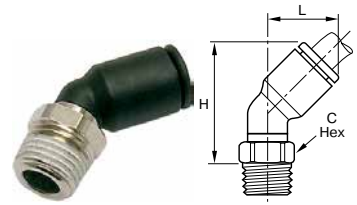
379PLP 45° Male Elbow - BSPP

Part No.	Tube Size (mm)	BSPP / M5	C Hex (mm)	H	L
379PLP-4M-M5	4	M5X0.8	8	23.0	13.0
379PLP-4M-2G	4	1/8	13	25.0	13.0
379PLP-6M-M5	6	M5X0.8	8	30.0	14.5
379PLP-6M-2G	6	1/8	13	28.5	14.5
379PLP-6M-4G	6	1/4	16	29.5	14.5
379PLP-8M-2G	8	1/8	13	36.0	19.5
379PLP-8M-4G	8	1/4	16	34.5	19.5
379PLP-8M-6G	8	3/8	20	34.5	19.5
379PLP-10M-4G	10	1/4	16	40.5	23.0
379PLP-10M-6G	10	3/8	20	39.0	23.0
379PLP-10M-8G	10	1/2	24	41.0	23.0
379PLP-12M-4G	12	1/4	16	46.0	26.0
379PLP-12M-6G	12	3/8	20	44.5	26.0
379PLP-12M-8G	12	1/2	24	46.0	26.0



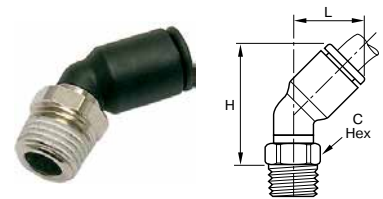
WARNING

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W379PLP Male Elbow 45° - NPT

Part No.	Tube Size (in)	Thread NPT / UNF	C Hex (mm)	H	L
379PLP-2-0	1/8	10-32	8	.91	.49
W379PLP-2-2	1/8	1/8	11	.81	.49
W379PLP-4-2	1/4	1/8	11	.98	.57
W379PLP-4-4	1/4	1/4	14	.98	.57
W379PLP-6-4	3/8	1/4	17	1.36	.91
W379PLP-6-6	3/8	3/8	18	1.36	.91



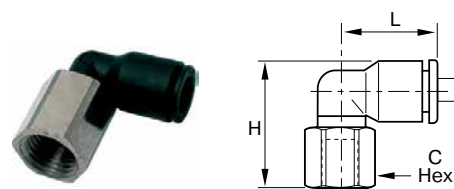
W379PLP 45° Male Elbow - BSPT

Part No.	Tube Size (mm)	BSPT	C Hex (mm)	H	L
W379PLP-4M-2R	4	1/8	10	24.5	13.0
W379PLP-6M-2R	6	1/8	10	28.0	14.5
W379PLP-6M-4R	6	1/4	14	30.0	14.5
W379PLP-8M-2R	8	1/8	10	33.5	19.5
W379PLP-8M-4R	8	1/4	14	33.5	19.5
W379PLP-8M-6R	8	3/8	17	33.5	19.5
W379PLP-10M-4R	10	1/4	15	38.5	23.0
W379PLP-10M-6R	10	3/8	17	39.0	23.0
W379PLP-10M-8R	10	1/2	21	40.5	23.0
W379PLP-12M-4R	12	1/4	15	44.0	26.0
W379PLP-12M-6R	12	3/8	17	44.0	26.0
W379PLP-12M-8R	12	1/2	21	46.0	26.0



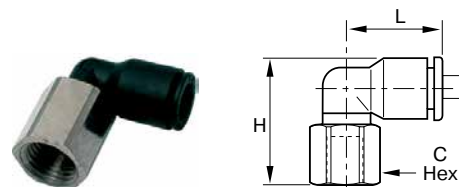
WARNING

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370PLP Female Elbow Swivel - NPT

Part No.	Tube Size (in)	Thread NPT	C Hex (mm)	L	H
370PLP-2-2	1/8	1/8	13	.57	.91
370PLP-4M-2	5/32 (4mm)	1/8	13	.55	.91
370PLP-4M-4	5/32 (4mm)	1/4	16	.55	1.08
370PLP-4-2	1/4	1/8	13	.71	1.02
370PLP-4-4	1/4	1/4	16	.71	1.18
370PLP-8M-2	5/16 (8mm)	1/8	13	.91	1.12
370PLP-8M-4	5/16 (8mm)	1/4	16	.91	1.28
370PLP-6-2	3/8	1/8	16	1.04	1.52
370PLP-6-4	3/8	1/4	16	1.04	1.52
370PLP-8-6	1/2	3/8	22	1.38	1.88



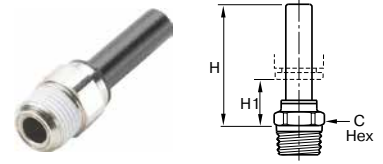
370PLP Female Elbow - BSPP

Part No.	Tube Size (mm)	BSPP	C Hex (mm)	H	L
370PLP-4M-2G	4	1/8	13	23.0	14.0
370PLP-4M-4G	4	1/4	16	27.0	14.0
370PLP-6M-2G	6	1/8	13	25.0	16.0
370PLP-6M-4G	6	1/4	16	29.0	16.0
370PLP-8M-2G	8	1/8	13	28.0	23.0
370PLP-8M-4G	8	1/4	16	32.0	23.0
370PLP-8M-6G	8	3/8	19	33.0	23.0
370PLP-10M-4G	10	1/4	16	34.5	26.5
370PLP-10M-6G	10	3/8	19	35.0	26.5
370PLP-10M-8G	10	1/2	24	41.0	26.5
370PLP-12M-4G	12	1/4	16	38.0	30.5
370PLP-12M-6G	12	3/8	19	38.5	30.5
370PLP-12M-8G	12	1/2	24	43.5	30.5



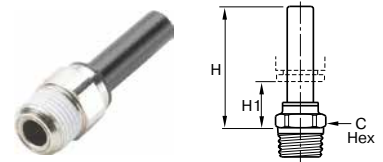
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W68PLPSP Male Standpipe - NPT

Part No.	Tube Size (in)	Thread NPT / UNF	C Hex (mm)	H	H1
68PLPSP-4M-0	5/32 (4mm)	10-32	8	1.24	
W68PLPSP-4M-2	5/32 (4mm)	1/8	11	1.02	.57
W68PLPSP-4M-4	5/32 (4mm)	1/4	14	1.04	.59
W68PLPSP-4-2	1/4	1/8	11	1.18	.61
W68PLPSP-4-4	1/4	1/4	14	1.12	.57
W68PLPSP-8M-2	5/16 (8mm)	1/8	11	1.16	.43
W68PLPSP-8M-4	5/16 (8mm)	1/4	14	1.12	.39
W68PLPSP-6-2	3/8	1/8	15	1.47	.81
W68PLPSP-6-4	3/8	1/4	15	1.42	.67
W68PLPSP-6-6	3/8	3/8	17	1.42	.61
W68PLPSP-8-6	1/2	3/8	17	1.44	.37
W68PLPSP-8-8	1/2	1/2	21	1.46	.39



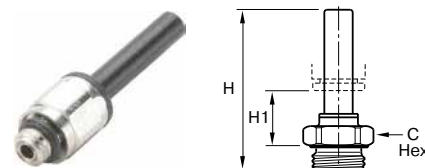
W68PLPSP Male Standpipe - BSPT

Part No.	Tube Size (mm)	BSPT	C Hex (mm)	H	H1
W68PLPSP-4M-2R	4	1/8	10	26.0	14.0
W68PLPSP-4M-4R	4	1/4	14	26.5	14.5
W68PLPSP-6M-2R	6	1/8	10	28.0	14.0
W68PLPSP-6M-4R	6	1/4	14	28.5	14.5
W68PLPSP-8M-2R	8	1/8	10	29.5	11.0
W68PLPSP-8M-4R	8	1/4	14	28.5	10.0
W68PLPSP-10M-4R	10	1/4	15	36.0	15.5
W68PLPSP-10M-6R	10	3/8	17	36.0	15.5
W68PLPSP-10M-8R	10	1/2	21	36.0	15.5
W68PLPSP-12M-6R	12	3/8	17	36.5	12.0
W68PLPSP-12M-8R	12	1/2	21	36.5	12.0



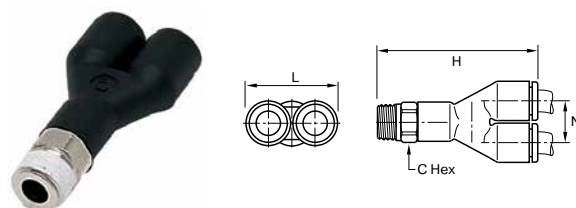
WARNING

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68PLPSP Male Standpipe - BSPP

Part No.	Tube Size (mm)	BSPP	C Hex (mm)	H	H1
68PLPSP-4M-M5	4	M5X0.8	8	31.0	16.0
68PLPSP-4M-2G	4	1/8	13	30.0	13.5
68PLPSP-4M-4G	4	1/4	16	31.0	13.5
68PLPSP-6M-2G	6	1/8	13	32.0	13.5
68PLPSP-6M-4G	6	1/4	16	33.0	13.5
68PLPSP-8M-2G	8	1/8	13	35.5	12.5
68PLPSP-8M-4G	8	1/4	16	34.5	10.5
68PLPSP-8M-6G	8	3/8	20	34.5	10.5
68PLPSP-10M-4G	10	1/4	16	43.5	17.5
68PLPSP-10M-6G	10	3/8	20	41.5	15.5
68PLPSP-10M-8G	10	1/2	24	41.5	15.5
68PLPSP-12M-6G	12	3/8	20	42.0	12.0
68PLPSP-12M-8G	12	1/2	24	43.5	12.0
68PLPSP-14M-6G	14	3/8	20	46.5	14.0
68PLPSP-14M-8G	14	1/2	24	48.0	13.5



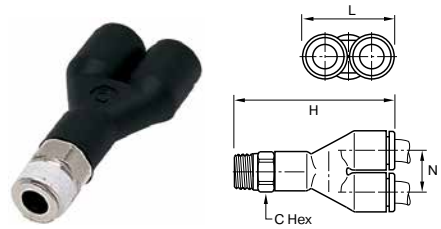
W368PLP Male Y Connector - NPT

Part No.	Tube Size (in)	Thread NPT	C Hex (mm)	H	L	N
W368PLP-4M-2	5/32 (4mm)	1/8	11	1.28	.69	.35
W368PLP-4M-4	5/32 (4mm)	1/4	14	1.30	.69	.35
W368PLP-4-2	1/4	1/8	11	1.61	.87	.45
W368PLP-4-4	1/4	1/4	14	1.56	.87	.45
W368PLP-6-4	3/8	1/4	17	2.24	1.30	.67
W368PLP-6-6	3/8	3/8	18	2.28	1.30	.67



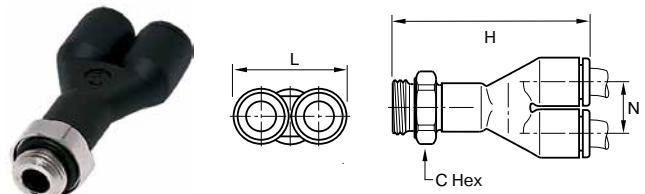
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W368PLP Male Y Connector - BSPT

Part No.	Tube Size (mm)	BSPT	C Hex (mm)	H	L	N
W368PLP-4M-2R	4	1/8	10	32.5	17.5	9.0
W368PLP-4M-4R	4	1/4	14	33.0	17.5	9.0
W368PLP-6M-2R	6	1/8	10	39.5	21.5	1.0
W368PLP-6M-4R	6	1/4	14	40.0	21.5	1.0
W368PLP-8M-2R	8	1/8	13	56.5	28.0	14.5
W368PLP-8M-4R	8	1/4	14	55.5	28.0	14.5
W368PLP-8M-6R	8	3/8	16	48.5	28.0	14.5
W368PLP-10M-4R	10	1/4	14	60.0	39.0	20.0
W368PLP-10M-6R	10	3/8	16	60.5	39.0	20.0
W368PLP-10M-8R	10	1/2	24	61.0	39.0	20.0
W368PLP-12M-6R	12	3/8	19	66.0	39.0	20.0
W368PLP-12M-8R	12	1/2	21	66.0	39.0	20.0



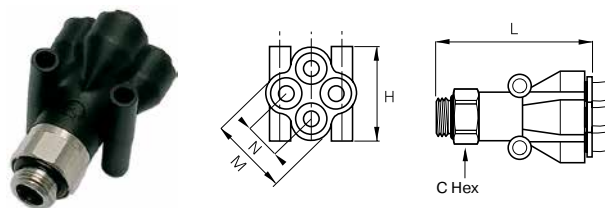
368PLP Male Y Connector - BSPP

Part No.	Tube Size (mm)	BSPP / M5	C Hex (mm)	H	L	N
368PLP-4M-M5	4	M5X0.8	8	32.5	17.5	9.0
368PLP-4M-2G	4	1/8	13	32.0	17.5	9.0
368PLP-4M-4G	4	1/4	16	32.0	17.5	9.0
368PLP-6M-M5	6	M5X0.8	10	39.5	21.5	11.0
368PLP-6M-2G	6	1/8	13	39.0	21.5	11.0
368PLP-6M-4G	6	1/4	16	39.0	21.5	11.0
368PLP-8M-2G	8	1/8	13	56.0	28.0	14.5
368PLP-8M-4G	8	1/4	16	55.0	28.0	14.5
368PLP-8M-6G	8	3/8	19	54.0	28.0	14.5
368PLP-10M-4G	10	1/4	16	63.5	33.0	17.0
368PLP-10M-6G	10	3/8	20	63.5	33.0	17.0
368PLP-10M-8G	10	1/2	20	65.0	33.0	17.0
368PLP-12M-6G	12	3/8	19	68.0	39.0	20.0
368PLP-12M-8G	12	1/2	24	70.0	39.0	20.0



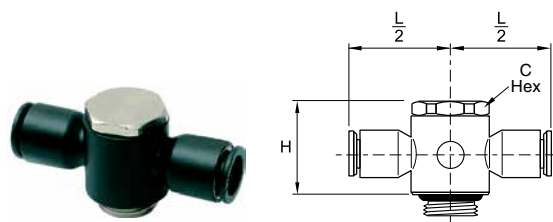
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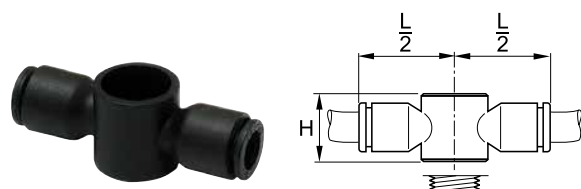
W368PLPD Double Y Male Connector - BSPT

Part No.	Tube Size (mm)	BSPT	C Hex (mm)	H	L	M	N	Mounting Hole Dia
W368PLPD-4M-2R	4	1/8	13	25.5	41.5	21.0	10.0	3.7
W368PLPD-4M-4R	4	1/4	16	25.5	43.5	21.0	10.0	3.7
W368PLPD-6M-2R	6	1/8	19	31.5	54.5	26.5	12.0	3.7
W368PLPD-6M-4R	6	1/4	19	31.5	57.5	26.5	12.0	3.7



32PLPDJ Double Banjo - BSPP, M5

Part No.	Tube Size (mm)	BSPP / M5	C Hex (mm)	H	L2
32PLPDJ-4M-M5	4	M5X0.8		13.0	16.0
32PLPDJ-6M-2G	6	1/8	13	17.0	20.0
32PLPDJ-6M-4G	6	1/4	17	21.0	26.5
32PLPDJ-8M-4G	8	1/4	17	21.0	27.0
32PLPDJ-8M-6G	8	3/8	20	24.5	30.5



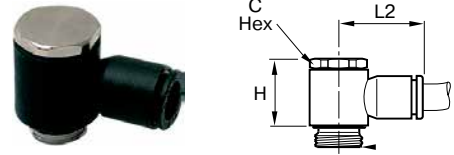
32PLPDJB Double Banjo Bodies

Part No.	Tube Size (mm)	BSPP / M5	H	L2
32PLPDJB-6M-2G	6	1/8	14.4	20.0
32PLPDJB-6M-4G	6	1/4	18.0	26.0
32PLPDJB-8M-4G	8	1/4	18.0	27.0



WARNING

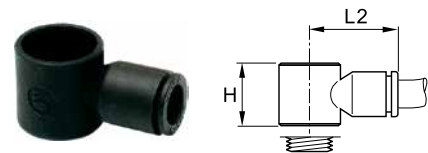
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369PLPBJ Banjo - BSPP

Part No.	Tube Size (mm)	BSPP / Metric	C Hex (mm)	H	L2
369PLPBJ-3M-M3*	3	M3X0.5		13.0	16.0
369PLPBJ-4M-M5*	4	M5X0.8		13.0	16.0
369PLPBJ-4M-2G	4	1/8	13	17.0	18.5
369PLPBJ-6M-M5*	6	M5X0.8		13.0	18.5
369PLPBJ-6M-2G	6	1/8	13	17.0	20.0
369PLPBJ-6M-4G	6	1/4	17	21.0	22.0
369PLPBJ-8M-2G	8	1/8	13	16.5	25.0
369PLPBJ-8M-4G	8	1/4	17	21.0	27.0
369PLPBJ-8M-6G	8	3/8	20	24.5	29.0
369PLPBJ-10M-4G	10	1/4	17	21.0	29.0
369PLPBJ-10M-6G	10	3/8	20	24.5	31.0
369PLPBJ-10M-8G	10	1/2	25	27.5	36.5
369PLPBJ-12M-6G	12	3/8	20	24.5	34.5
369PLPBJ-12M-8G	12	1/2	25	27.5	36.5

*With screwdriver slot



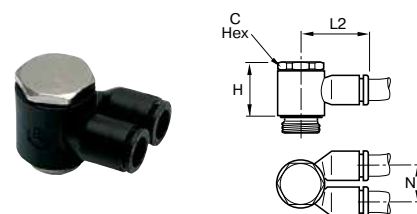
369PLPBJB Banjo Bodies

Part No.	Tube Size (mm)	BSPP / M5	H	L2
369PLPBJB-4M-M5	4	M5X0.8	13.0	16.0
369PLPBJB-4M-2G	4	1/8	14.5	18.5
369PLPBJB-6M-M5	6	M5X0.8	13.0	18.5
369PLPBJB-6M-2G	6	1/8	14.5	20.0
369PLPBJB-6M-4G	6	1/4	18.0	22.0
369PLPBJB-8M-2G	8	1/8	14.5	25.0
369PLPBJB-8M-4G	8	1/4	18.0	27.0
369PLPBJB-8M-6G	8	3/8	21.5	29.0
369PLPBJB-10M-4G	10	1/4	18.0	29.0
369PLPBJB-10M-6G	10	3/8	21.5	31.0
369PLPBJB-12M-6G	12	3/8	21.5	34.5



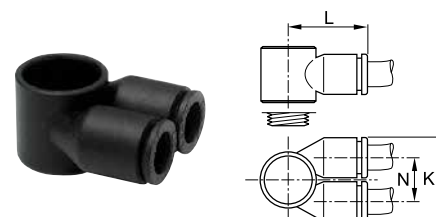
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369PLPTJ Twin Banjo - BSPP, M5

Part No.	Tube Size (mm)	BSPP / M5	C Hex (mm)	H	L2	N
369PLPTJ-4M-M5	4	M5X0.8		13.0	16.0	9.0
369PLPTJ-4M-2G	4	1/8	13	16.5	18.5	11.5
369PLPTJ-6M-2G	6	1/8	13	16.5	18.5	11.5
369PLPTJ-6M-4G	6	1/4	17	21.0	27.0	14.5
369PLPTJ-8M-4G	8	1/4	17	21.0	27.0	14.5
369PLPTJ-8M-6G	8	3/8	20	24.5	31.0	17.0
369PLPTJ-10M-6G	10	3/8	20	24.5	31.0	17.0



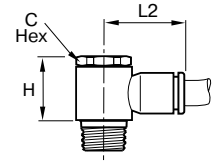
369PLPTJB Twin Banjo Bodies

Part No.	Tube Size (mm)	BSPP / M5	K	L	N
369PLPTJB-4M-4G	4	1/4	28.0	25.0	14.5
369PLPTJB-6M-2G	6	1/8	22.5	20.5	12.0
369PLPTJB-6M-4G	6	1/4	28.0	25.0	14.5
369PLPTJB-6M-6G	6	3/8	33.0	28.5	17.0
369PLPTJB-8M-4G	8	1/4	28.0	26.0	14.5
369PLPTJB-8M-6G	8	3/8	33.0	29.5	17.0



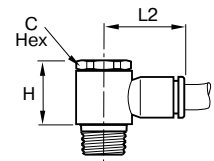
WARNING

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W369PLPBJ Banjo - NPT

Part No.	Tube Size (in)	Thread NPT / UNF	C Hex (mm)	H	L2
369PLPBJ-2-0	1/8	10-32		.79	.65
369PLPBJ-4M-0	5/32 (4mm)	10-32		.79	.65
W369PLPBJ-4M-2	5/32 (4mm)	1/8	13	.73	.73
369PLPBJ-4-0	1/4	10-32		.79	.73
W369PLPBJ-4-2	1/4	1/8	13	.73	.83
W369PLPBJ-4-4	1/4	1/4	17	.89	.91
W369PLPBJ-4-6	1/4	3/8	21	1.04	1.12
W369PLPBJ-6-4	3/8	1/4	17	.89	1.12
W369PLPBJ-6-6	3/8	3/8	21	1.04	1.20



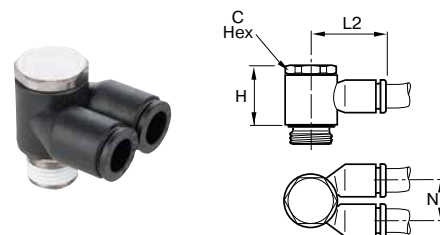
W369PLPBJ Banjo - BSPT

Part No.	Tube Size (mm)	BSPT	C Hex (mm)	H	L2
W369PLPBJ-6M-2R	6	1/8	13	18.5	20.0
W369PLPBJ-6M-4R	6	1/4	17	22.5	22.0
W369PLPBJ-8M-2R	8	1/8	13	18.5	25.0
W369PLPBJ-8M-4R	8	1/4	17	22.5	27.0
W369PLPBJ-10M-4R	10	1/4	17	22.5	29.0
W369PLPBJ-10M-6R	10	3/8	21	26.5	31.0
W369PLPBJ-12M-4R	12	1/4	21	26.5	34.5
W369PLPBJ-12M-6R	12	3/8	21	26.5	34.5



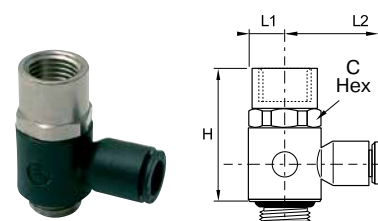
WARNING

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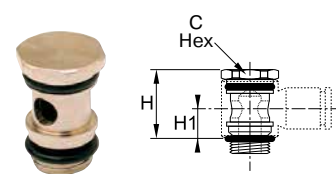
W369PLPTJ Twin Banjo - NPT

Part No.	Tube Size (in)	Thread NPT / UNF	C Hex (mm)	H	L2
369PLPTJ-4M-0	5/32 (4mm)	10-32		.63	.61
W369PLPTJ-4M-2	5/32 (4mm)	1/8	13	.73	.73
W369PLPTJ-4-2	1/4	1/8	13	.73	.73
W369PLPTJ-4-4	1/4	1/4	17	.89	1.04
W369PLPTJ-6-4	3/8	1/4	21	1.04	1.22
W369PLPTJ-6-6	3/8	3/8	21	1.04	1.22



376PLPBJ Banjo with Female Bolt

Part No.	Tube Size (mm)	BSPP / M5	C Hex (mm)	H	L1	L2
376PLPBJ-4M-2G	4	1/8	13	25.5	7.0	18.5
376PLPBJ-6M-4G	6	1/4	17	33.0	9.0	22.0
376PLPBJ-8M-6G	8	3/8	20	37.5	11	29.0



68BJB Single Banjo Bolt

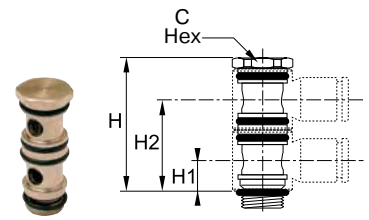
Part No.	BSPP / M5	C Hex (mm)	H	H1
68BJB-M5*	M5X0.8		17.0	7.5
68BJB-2G	1/8	13	17.0	7.5
68BJB-4G	1/4	17	21.0	9.5
68BJB-6G	3/8	20	24.5	11.0

*With screwdriver slot



WARNING

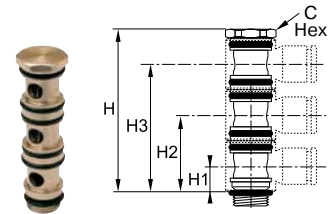
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68BJBD Double Banjo Bolt

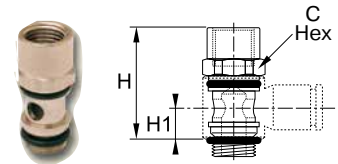
Part No.	BSPP / M5	C Hex (mm)	H	H1	H2
68BJBD-M5*	M5X0.8		24.5	7.5	18.5
68BJBD-2G	1/8	13	31.0	7.5	22.0
68BJBD-4G	1/4	17	39.0	9.5	27.5
68BJBD-6G	3/8	20	46.0	11.0	32.5

*With screwdriver slot



68BJBT Triple Banjo Bolt

Part No.	BSPP	C Hex (mm)	H	H1	H2	H3
68BJBT-2G	1/8	13	45.5	7.5	22.0	36.0
68BJBT-4G	1/4	17	54.0	9.5	27.5	45.5
68BJBT-6G	3/8	20	67.5	11.0	32.5	54.0



66BJB Female Threaded Banjo Bolt

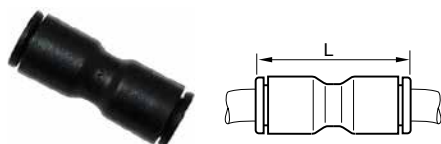
Part No.	1 BSPP / M5	2 BSPP / M5	C Hex (mm)	H	H1
66BJB-2G	1/8	1/8	13	24.5	7.5
66BJB-4G	1/4	1/4	17	33.0	9.5
66BJB-6G	3/8	3/8	20	37.5	11.0
66BJB-8G	1/2	1/2	25	42.0	11.5

*With screwdriver slot



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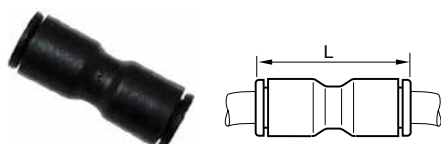
32PLP Equal Union (Fractional Inch)

Part No.	Tube Size (in)	L
32PLP-2	1/8	.97
32PLP-3	3/16	1.44
32PLP-4	1/4	1.16
32PLP-6	3/8	1.65
32PLP-8	1/2	2.17



32PLP Unequal Union (Fractional Inch)

Part No.	1 Tube Size (in)	2 Tube Size (in)	L
32PLP-4M-2	5/32 (4mm)	1/8	0.96
32PLP-4M-4	5/32 (4mm)	1/4	1.16
32PLP-4-2	1/4	1/8	1.32
32PLP-4-8M	1/4	5/16 (8mm)	1.44
32PLP-6-4	3/8	1/4	1.61
32PLP-6-8	3/8	1/2	2.17



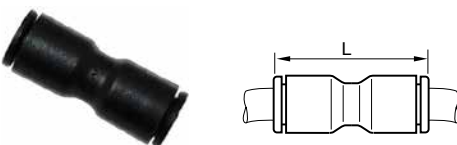
32PLP Equal Union (Metric Tube)

Part No.	Tube Size (mm)	L
32PLP-3M	3	25.0
32PLP-4M	4	25.0
32PLP-6M	6	28.5
32PLP-8M	8	38.0
32PLP-10M	10	42.0
32PLP-12M	12	50.5
32PLP-14M	14	56.0
32PLP-16M	16	60.5



32PLP Unequal Union (Metric Tube)

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	L
32PLP-3M-4M	3	4	25.0
32PLP-6M-4M	6	4	28.0
32PLP-8M-4M	8	4	28.0
32PLP-8M-6M	8	6	38.0
32PLP-10M-6M	10	6	42.0
32PLP-10M-8M	10	8	42.0
32PLP-12M-8M	12	8	50.5
32PLP-12M-10M	12	10	50.5
32PLP-12M-14M	12	14	56.0
32PLP-12M-16M	16	12	61.0



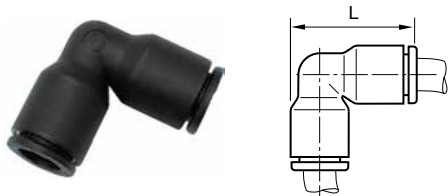
32PLP Converter (Fractional Inch to Metric Tube)

Part No.	Tube Size (in)	Tube Size (mm)	L
32PLP-6M-4	1/4	6	1.18
32PLP-10M-6	3/8	10	1.99
32PLP-12M-8	1/2	12	2.25



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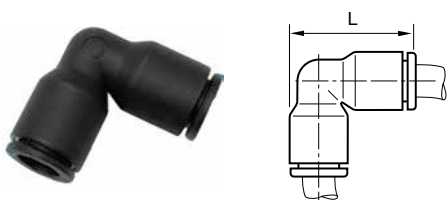
365PLP Union Elbow

Part No.	Tube Size (in)	L
365PLP-2	1/8	.71
365PLP-3	3/16	1.07
365PLP-4	1/4	.93
365PLP-6	3/8	1.33
365PLP-8	1/2	1.38



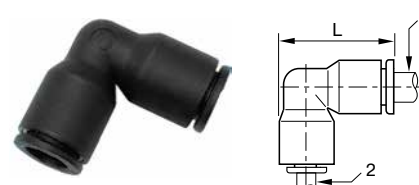
365PLP Unequal Union Elbow

Part No.	1 Tube Size (in)	2 Tube Size (in)	L	H
365PLP-2-4	1/8	1/4	.93	.93
365PLP-4M-4	5/32 (4mm)	1/4	.93	.93
365PLP-6-4	3/8	1/4	1.33	1.30
365PLP-6-8	3/8	1/2	1.81	1.81



365PLP Union Elbow

Part No.	Tube Size (mm)	L
365PLP-4M	4	19.0
365PLP-6M	6	22.5
365PLP-8M	8	29.5
365PLP-10M	10	34.5
365PLP-12M	12	40.5
365PLP-14M	14	46.5
365PLP-16M	16	52.0



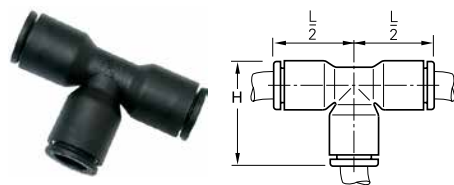
365PLP Unequal Union Elbow

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	L
365PLP-4M-6M	4	6	22.5
365PLP-6M-8M	6	8	29.5
365PLP-8M-10M	8	10	34.5
365PLP-10M-12M	10	12	40.5



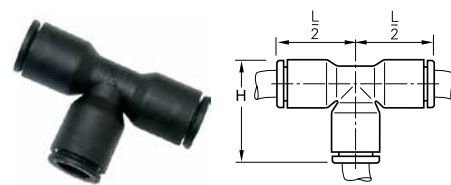
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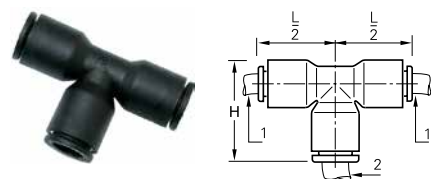
364PLP Union Tee

Part No.	Tube Size (in)	L2	H
364PLP-2	1/8	.57	.75
364PLP-3	3/16	.85	1.07
364PLP-4	1/4	.71	.92
364PLP-6	3/8	1.02	1.34
364PLP-8	1/2	1.38	1.81



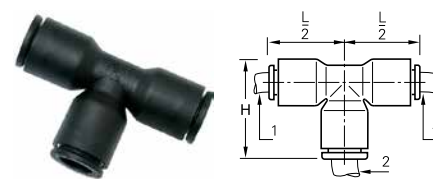
364PLP Union Tee

Part No.	Tube Size (mm)	H	L2
364PLP-3M	3	19.0	14.5
364PLP-4M	4	19.0	14.5
364PLP-6M	6	23.5	18.0
364PLP-8M	8	29.5	23.0
364PLP-10M	10	34.5	26.5
364PLP-12M	12	40.5	31.0
364PLP-14M	14	46.0	35.5
364PLP-16M	16	52.0	39.0



364PLP Unequal Union Tee

Part No.	1 Tube Size (in)	2 Tube Size (in)	L2	H
364PLP-2-4	1/8	1/4	.71	.93
364PLP-4M-4	5/32 (4mm)	1/4	.71	.93
364PLP-4-2	1/4	1/8	.73	.93
364PLP-4-4M	1/4	5/32 (4mm)	.73	.93
364PLP-4-6	1/4	3/8	.96	1.32
364PLP-6-4	3/8	1/4	1.00	1.28
364PLP-6-8	3/8	1/2	1.38	1.81
364PLP-8-4	1/2	1/4	1.38	1.81
364PLP-8-6	1/2	3/8	1.38	1.81



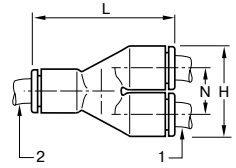
364PLP Unequal Union Tee

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	L2
364PLP-4M-6M	4	6	22.5	17.5
364PLP-6M-4M	6	4	22.5	17.5
364PLP-6M-8M	6	8	29.5	23.0
364PLP-8M-6M	8	6	29.5	23.0
364PLP-8M-10M	8	10	34.5	26.5
364PLP-10M-12M	10	12	34.5	26.5
364PLP-10M-8M	10	8	40.5	31.0
364PLP-12M-10M	12	10	40.5	31.0
364PLP-14M-8M	14	8	46.0	35.5
364PLP-16M-12M	16	12	39.0	



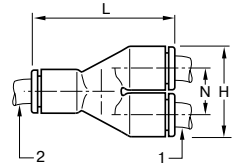
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362PLP Union Y

Part No.	1 Tube Size (in)	2 Tube Size (in)	L	H	N
362PLP-2	1/8	1/8	1.12	.69	.35
362PLP-2-4	1/8	1/4	1.42	.87	.45
362PLP-4M-4	5/32 (4mm)	1/4	1.42	.87	.45
362PLP-4	1/4	1/4	1.42	.87	.45
362PLP-4-6	1/4	3/8	2.02	1.30	.67
362PLP-6	3/8	3/8	2.09	1.30	.67
362PLP-8	1/2	1/2	2.64	1.77	.91



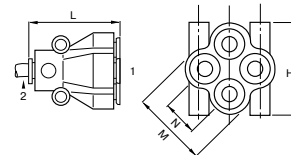
362PLP Union Y

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	L	N
362PLP-4M	4	4	17.5	28.5	9.0
362PLP-6M	6	6	21.5	35.0	11.0
362PLP-8M	8	8	28.0	45.0	14.5
362PLP-10M	10	10	33.0	53.0	17.0
362PLP-12M	12	12	39.0	57.0	20.0
362PLP-4M-6M	4	6	17.5	33.0	9.0
362PLP-6M-8M	6	8	22.5	41.0	11.5
362PLP-8M-10M	8	10	28.0	47.0	14.5
362PLP-10M-12M	10	12	33.0	57.0	17.0



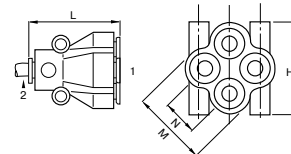
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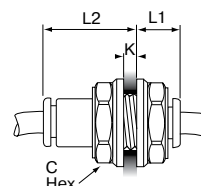
362PLPD Double Y Connector

Part No.	1 Tube Size (in)	2 Tube Size (in)	H	L	M	N	Mounting Hole Dia.
362PLPD-4M-4	5/32 (4mm)	1/4	1.00	1.18	.83	.39	.15



362PLPD Double Y Connector

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	L	M	N	Mounting Hole Dia
362PLPD-4M	4	4	25.5	30.5	21.0	10.0	3.7
362PLPD-6M	6	6	31.5	37.5	26.5	12.0	3.7
362PLPD-4M-6M	4	6	25.5	30.5	21.0	10.0	3.7
362PLPD-6M-8M	6	8	31.5	38.0	26.5	12.0	3.7



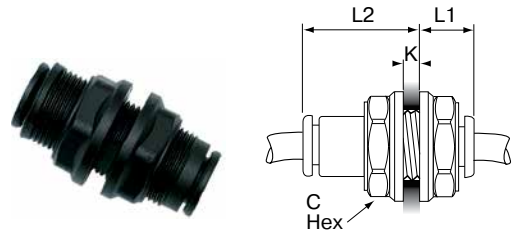
32PLPBH Bulkhead Union

Part No.	Tube Size (in)	C Hex (mm)	K Max	L1	L2	Bulkhead Thread	Bulkhead Hole Dia.
32PLPBH-2	1/8	13	.22	.37	.61	M10 X 1	12MM
32PLPBH-4	1/4	16	.35	.37	.81	M15 X 1	16MM
32PLPBH-6	3/8	22	.57	.51	1.18	M18 X 1.5	24MM
32PLPBH-8	1/2	29	.81	.67	1.61	M25 X 1.5	26MM



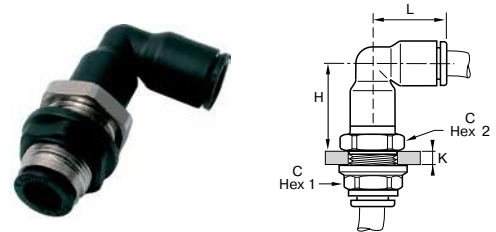
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32PLPBH Bulkhead Union

Part No.	Tube Size (mm)	C Hex (mm)	K Max	L1	L2	Bulkhead Thread	Bulkhead Hole Dia.
32PLPBH-4M	4	13	5.5	15.0	10.0	M12 X 1	12MM
32PLPBH-6M	6	15	8.5	18.0	10.5	M14 X 1	14MM
32PLPBH-8M	8	18	14.5	25.0	13.5	M16 X 1	16MM
32PLPBH-10M	10	22	14.5	27.5	15.5	M22 X 1.5	22MM
32PLPBH-12M	12	26	18.5	33.0	18.0	M24 X 1.5	24MM
32PLPBH-14M	14	29	20.5	37.5	20.5	M26 X 1.5	26MM



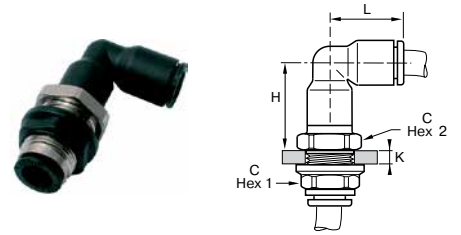
365PLPBH Equal Bulkhead Elbow

Part No.	Tube Size (in)	C1 Hex	C2 Hex	K Max	H	L	Bulkhead Thread	Bulkhead Hole Dia.
365PLPBH-2	1/8	13	13	.28	.71	.57	M10 X 1	10MM
365PLPBH-4M	5/32 (4mm)		13	.26	.83	.67	M12 X 1	12MM
365PLPBH-4	1/4	18	17	.32	.87	.71	M15 X 1	15MM
365PLPBH-8M	5/16 (8mm)		18	.31	1.22	.94	M16 X 1	16MM
365PLPBH-6	3/8	22	22	.33	1.08	1.00	M18 X 1.5	18MM
365PLPBH-8	1/2	29	27	.41	1.54	1.38	M25 X 1.5	25MM



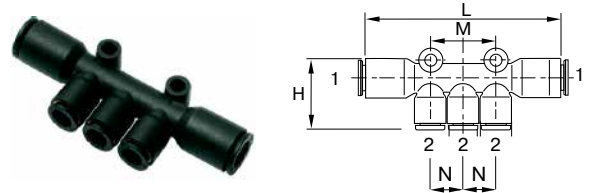
WARNING

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365PLPBH Equal Bulkhead Elbow

Part No.	Tube Size (mm)	C1 Hex	C2 Hex	K Max	H	L	Bulkhead Thread	Bulkhead Hole Dia.
365PLPBH-4M	4	13	13	6.5	21.0	17.0	M12 X 1	12MM
365PLPBH-6M	6	15	15	7.0	24.5	19.5	M14 X 1	14MM
365PLPBH-8M	8	18	18	8.0	31.0	24.0	M16 X 1	16MM
365PLPBH-10M	10	22	22	8.5	36.0	28.0	M22 X 1.5	22MM
365PLPBH-12M	12	26	26	8.5	42.0	33.0	M24 X 1.5	24MM



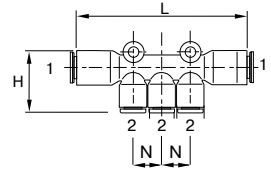
24PLP Multiple Tee

Part No.	1 Tube Size (in)	2 Tube Size (in)	H	L	M	N	Mtg. Hole Dia.
24PLP-4-4M	1/4	5/32 (4mm)	0.97	2.81	.90	.45	.17
24PLP-4-4	1/4	1/4	1.22	3.14	1.21	.61	.17
24PLP-6-4	3/8	1/4	1.34	3.21	1.22	.61	.17



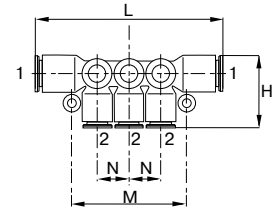
WARNING

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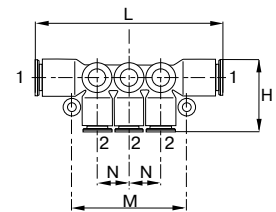
24PLP Multiple Tee

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	L	N	Mounting Hole Dia.
24PLP-6M-4M	6	4	24.5	74	11.5	4.2
24PLP-8M-4M	8	4	24.5	74	11.5	4.2
24PLP-8M-6M	8	6	24.5	74	11.5	4.2
24PLP-10M-6M	10	6	36.0	81	15.5	4.2
24PLP-10M-8M	10	8	36.0	81	15.5	4.2



24PLPD Double Multiple Tee

Part No.	1 Tube Size (in)	2 Tube Size (in)	H	L	M	N	Mounting Hole Dia.
24PLPD-4-4M	1/4	5/32 (4mm)	.73	2.84	1.69	.45	.17
24PLPD-4-4	1/4	1/4	.73	2.84	1.69	.45	.17
24PLPD-6-4	3/8	1/4	.91	3.31	2.05	.57	.17



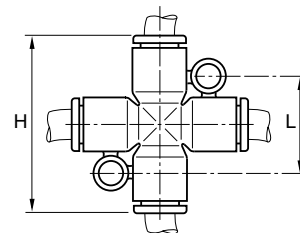
24PLPD Double Multiple Tee

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	L	M	N	Mounting Hole Dia.
24PLPD-6M-4M	6	4	18.5	72.0	43.0	11.5	4.2
24PLPD-8M-4M	8	4	18.5	73.0	43.0	11.5	4.2
24PLPD-8M-6M	8	6	18.5	73.0	43.0	11.5	4.2
24PLPD-10M-6M	10	6	23.0	84.0	52.0	14.5	4.2
24PLPD-10M-8M	10	8	23.5	84.0	52.0	14.5	4.2



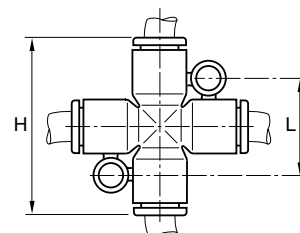
WARNING

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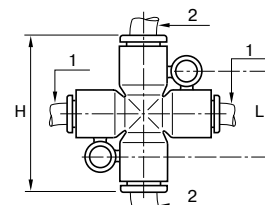
347PLP Equal Cross

Part No.	Tube Size (in)	H	L	Mounting Hole Dia.
347PLP-4	1/4	1.40	.79	.17



347PLP Equal Cross

Part No.	Tube Size (mm)	H	L	Mounting Hole Dia.
347PLP-4M	4	36	20.0	4.2
347PLP-6M	6	36	20.0	4.2
347PLP-8M	8	46	22.5	4.2



347PLP Unequal Cross

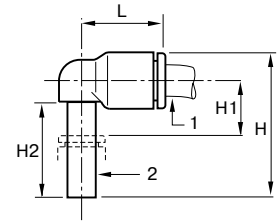
Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	L	Mounting Hole Dia.
347PLP-4M-6M	4	6	36	20.0	4.2
347PLP-6M-4M*	6	4	36	20.0	4.2
347PLP-6M-8M	6	8	46	22.5	4.2
347PLP-8M-6M*	8	6	46	22.5	4.2

*This model provides 3 outlets of "TUBE1" and 1 outlet of "TUBE 2".



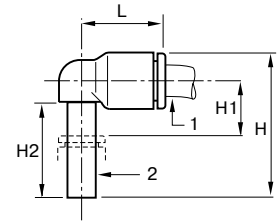
WARNING

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369PLPSP Plug-In Elbow

Part No.	1 Tube Size (in)	2 Tube Size (in)	H	H1	H2	L
369PLPSP-2	1/8	1/8	.92	.31	.64	.57
369PLPSP-4M-4	5/32 (4mm)	1/4	1.08	.30	.71	.71
369PLPSP-4	1/4	1/4	1.20	.43	.83	.73
369PLPSP-4-6	1/4	3/8	1.52	.35	.96	.98
369PLPSP-6	3/8	3/8	1.52	.35	.96	1.02
369PLPSP-8	1/2	1/2	2.00	.51	1.12	1.38



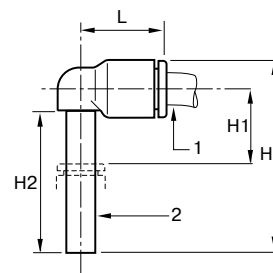
369PLPSP Plug-In Elbow

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	H1	H2	L
369PLPSP-4M	4	4	23.0	6.0	15.5	14.0
369PLPSP-6M	6	6	26.5	7.0	17.0	16.0
369PLPSP-8M	8	8	33.5	8.0	21.5	23.0
369PLPSP-10M	10	10	39.0	9.5	24.5	23.5
369PLPSP-12M	12	12	44.5	10.0	27.5	31.0
369PLPSP-4M-6M	4	6	26.5	7.0	17.0	16.0
369PLPSP-6M-4M	6	4	24.5	7.0	15.5	16.0
369PLPSP-6M-8M	6	8	33.5	8.0	21.5	22.0
369PLPSP-8M-10M	8	10	39.0	8.5	24.5	26.5
369PLPSP-10M-12M	10	12	44.5	10.0	27.5	31.0



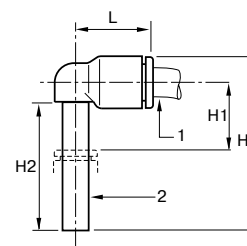
WARNING

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369PLPSPX Extended Plug-In Elbow

Part No.	1 Tube Size (in)	2 Tube Size (in)	H	H1	H2	L
369PLPSPX-2	1/8	1/8	1.26	.65	.98	.57
369PLPSPX-4	1/4	1/4	1.56	.77	1.18	.71
369PLPSPX-6	3/8	3/8	2.19	1.02	1.63	1.02



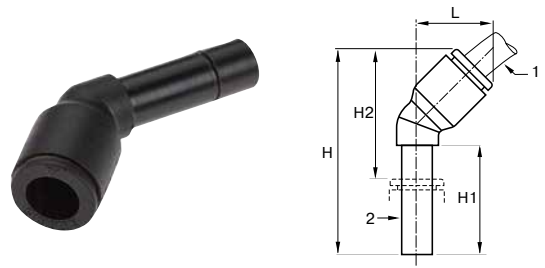
369PLPSPX Extended Plug-In Elbow

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	H1	H2	L
369PLPSPX-4M	4	4	32.5	15.5	25.0	14.0
369PLPSPX-6M	6	6	38.5	19.0	29.0	16.0
369PLPSPX-8M	8	8	49.0	23.5	37.0	23.0
369PLPSPX-10M	10	10	56.0	26.5	41.5	26.5
369PLPSPX-12M	12	12	62.5	28.0	45.5	31.0
369PLPSPX-4M-6M	4	6	38.5	19.0	29.0	16.0
369PLPSPX-6M-8M	6	8	49.0	23.5	37.0	23.0
369PLPSPX-8M-10M	8	10	56.0	26.5	41.5	26.5
369PLPSPX-10M-12M	10	12	62.5	28.0	45.5	31.0



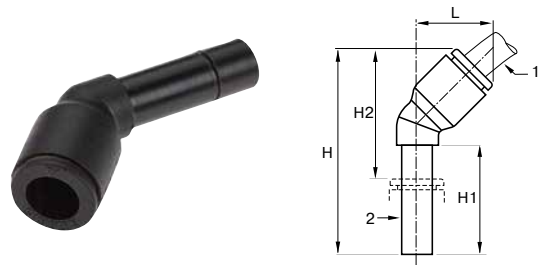
WARNING

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379PLPSP 45° Plug-In Elbow

Part No.	1 Tube Size (in)	2 Tube Size (in)	H	H1	H2	L
379PLPSP-2	1/8	1/8	1.14	.59	.69	.47
379PLPSP-4	1/4	1/4	1.44	.71	.87	.57
379PLPSP-6	3/8	3/8	2.00	.96	1.16	.91



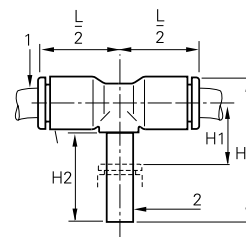
379PLPSP 45° Plug-In Elbow

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	H1	H2	L
379PLPSP-4M	4	4	33.5	19.0	21.0	13.0
379PLPSP-6M	6	6	39.0	21.0	25.0	14.5
379PLPSP-8M	8	8	44.0	21.5	25.5	19.5
379PLPSP-10M	10	10	53.0	27.0	32.5	23.0
379PLPSP-12M	12	12	58.5	27.5	34.0	26.5



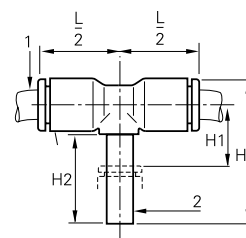
WARNING

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372PLPSP Plug-In Branch Tee

Part No.	1 Tube Size (in)	2 Tube Size (in)	H	H1	H2	L2
372PLPSP-2	1/8	1/8	.95	.26	.59	.57
372PLPSP-4	1/4	1/4	.98	.43	.77	.73
372PLPSP-6	3/8	3/8	1.61	.35	.96	.98
372PLPSP-8	1/2	1/2	2.01	.51	1.12	1.38



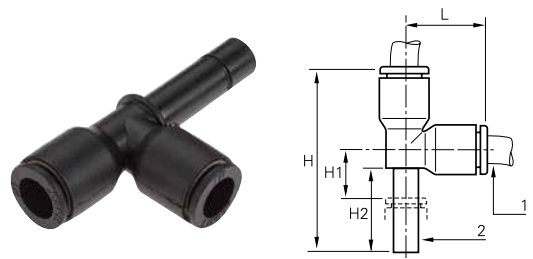
372PLPSP Plug-In Branch Tee

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	H1	H2	L2
372PLPSP-4M	4	4	23.0	6.0	15.5	14.5
372PLPSP-6M	6	6	26.5	7.0	17.0	16.0
372PLPSP-8M	8	8	33.5	8.0	21.5	23.0
372PLPSP-10M	10	10	39.0	9.5	24.5	26.5
372PLPSP-12M	12	12	44.5	10.0	27.5	31.0
372PLPSP-4M-6M	4	6	26.5	7.0	17.0	16.0
372PLPSP-6M-8M	6	8	33.5	8.0	21.5	23.0
372PLPSP-8M-10M	8	10	39.0	9.5	24.5	26.5
372PLPSP-10M-12M	10	12	44.5	10.0	27.5	31.0



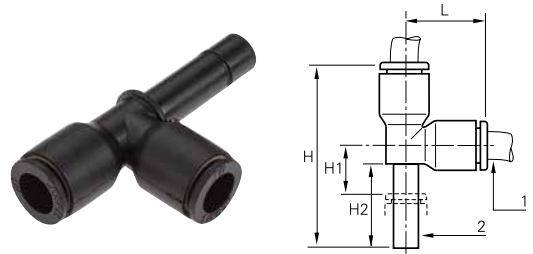
WARNING

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371PLPSP Plug-In Run Tee

Part No.	1 Tube Size (in)	2 Tube Size (in)	H	H1	H2	L
371PLPSP-4	1/4	1/4	1.69	.43	.83	.73
371PLPSP-6	3/8	3/8	2.23	.33	.96	1.00
371PLPSP-8	1/2	1/2	2.86	.51	1.12	1.38



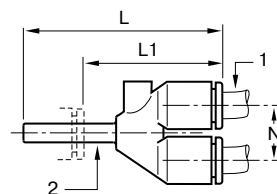
371PLPSP Plug-In Run Tee

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	H1	H2	L
371PLPSP-4M	4	4	33.0	6.0	15.5	14.5
371PLPSP-6M	6	6	38.5	7.0	17.0	17.5
371PLPSP-8M	8	8	49.0	8.0	21.5	23.0
371PLPSP-10M	10	10	57.0	10.5	24.5	26.5
371PLPSP-12M	12	12	65.5	10.5	27.5	31.0
371PLPSP-4M-6M	4	6	10.5	7.0	17.0	17.5
371PLPSP-6M-8M	6	8	13.5	8.0	21.5	23.0
371PLPSP-8M-10M	8	10	16.0	10.5	24.5	26.5
371PLPSP-10M-12M	10	12	19.0	10.5	27.5	31.0



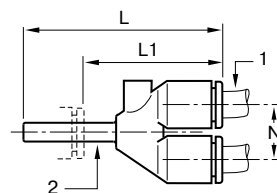
WARNING

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362PLPSP Plug-In Y

Part No.	1 Tube Size (in)	2 Tube Size (in)	L	L1	N
362PLPSP-2	1/8	1/8	1.36	1.00	.35
362PLPSP-4	1/4	1/4	1.60	1.02	.45
362PLPSP-6	3/8	3/8	2.23	1.42	.67



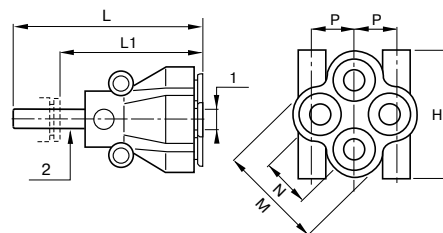
362PLPSP Plug-In Y

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	L	L1	N
362PLPSP-4M	4	4	34.0	21.5	9.0
362PLPSP-6M	6	6	39.5	25.5	11.0
362PLPSP-8M	8	8	50.5	32.0	14.5
362PLPSP-10M	10	10	57.5	36.0	17.0
362PLPSP-12M	12	12	66.0	41.0	20.0
362PLPSP-4M-6M	4	6	35.5	21.5	9.0
362PLPSP-6M-8M	6	8	44.0	25.5	11.0
362PLPSP-8M-10M	8	10	53.5	32.0	14.5
362PLPSP10M-12M	10	12	60.0	35.0	17.0



WARNING

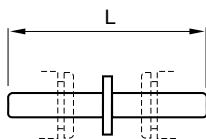
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362PLPDSP Plug-In Multiple Y

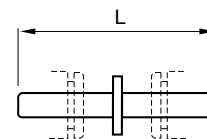
Part No.	1 Tube Size (mm)	2 Tube Size (mm)	H	L	L1	M	N
362PLPDSP-4M-6M	4	6	25.5	45.0	31.0	21.0	10.0
362PLPDSP-4M-8M	4	8	25.5	49.5	31.0	21.0	10.0
362PLPDSP-6M-8M	6	8	31.5	59.5	41.0	26.5	12.0

*Aluminum tail piece



63PLP Double Male Union

Part No.	Tube Size (in)	L
63PLP-4	1/4	1.52
63PLP-6	3/8	2.03



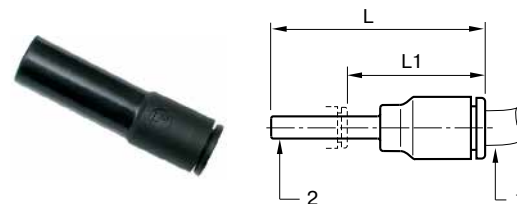
63PLP Double Male Union

Part No.	Tube Size (mm)	L
63PLP-4M	4	34 1/2
63PLP-6M	6	38 1/2
63PLP-8M	8	41
63PLP-10M	10	51 1/2
63PLP-12M	12	60
63PLP-14M	14	69 1/2



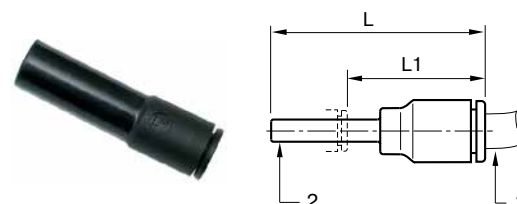
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37PLP Tube Reducer

Part No.	1 Tube Size (in)	2 Tube Size (in)	L	L1
37PLP-2-4M	1/8	5/32 (4M)	1.79	1.32
37PLP-2-3	1/8	3/16	1.79	1.14
37PLP-2-4	1/8	1/4	1.79	1.22
37PLP-4M-3	5/32 (4mm)	3/16	1.48	.83
37PLP-4M-4	5/32 (4mm)	1/4	1.48	.91
37PLP-4M-6	5/32 (4mm)	3/8	1.61	.81
37PLP-3-8M	3/16	5/16 (8M)	1.79	1.06
37PLP-3-4	3/16	1/4	1.79	1.22
37PLP-4-8M	1/4	5/16 (8M)	1.61	.89
37PLP-4-6	1/4	3/8	1.61	.81
37PLP-4-8	1/4	1/2	1.97	.98
37PLP-8M-6	5/16 (8mm)	3/8	1.93	1.12
37PLP-8M-8	5/16 (8mm)	1/2	2.01	1.02
37PLP-6-8	3/8	1/2	2.01	1.04



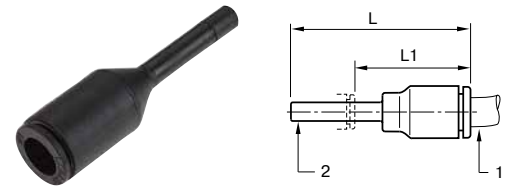
37PLP Tube Reducer

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	L	L1
37PLP-4M-6M	4	6	37.5	23.5
37PLP-4M-8M	4	8	37.5	19.0
37PLP-6M-8M	6	8	36.0	20.5
37PLP-4M-10M	4	10	44.0	22.5
37PLP-6M-10M	6	10	38.0	17.5
37PLP-8M-10M	8	10	49.0	28.5
37PLP-10M-12M	10	12	56.5	33.5
37PLP-6M-12M	6	12	46.0	23.0
37PLP-8M-12M	8	12	49.0	24.5
37PLP-10M-14M	10	14	58.5	33.5
37PLP-12M-14M	12	14	58.5	33.5
37PLP-6M-14M	6	14	48.0	23.0
37PLP-8M-14M	8	14	48.0	23.0



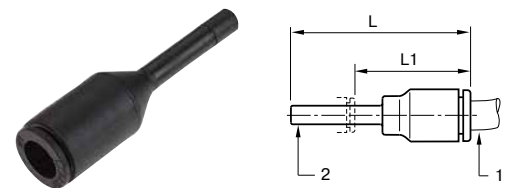
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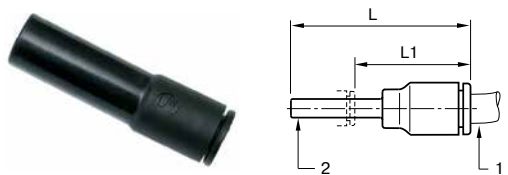
32PLPSP Tube Expander

Part No.	1 Tube Size (in)	2 Tube Size (in)	L	L1
32PLPSP-4-2	1/4	1/8	1.61	1.16
32PLPSP-4-6M	1/4	6M	1.75	1.02
32PLPSP-4-4M	1/4	5/32 (4mm)	1.61	1.14
32PLPSP-4-3	1/4	3/16	1.61	1.00
32PLPSP-6-4	3/8	1/4	1.58	1.00



32PLPSP Tube Expander

Part No.	1 Tube Size (mm)	2 Tube Size (mm)	L	L1
32PLPSP-6M-4M	6	4	35.0	23.0
32PLPSP-8M-6M	8	6	45.0	31.5
32PLPSP-10M-8M	10	8	42.5	21.0
32PLPSP-12M-10M	12	10	49.0	24.5

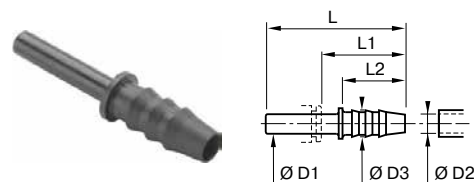


32PLPSP Tube Converter

Part No.	1 Tube Size (mm)	2 Tube Size (in)	L	L1
32PLPSP-4M-2	4M	1/8	1.61	1.16
32PLPSP-8M-4	8M	1/4	1.58	1.00



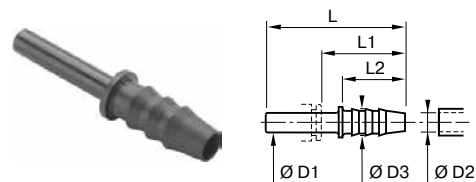
This product can expose you to chemicals including Nickel which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



322PLPSP Barbed Connector

Part No.	OD 1	OD 2	OD 3	L	L1	L2
322PLPSP-4M-2	5/32 (4mm)	.120	.20	1.46	.98	.67
322PLPSP-8M-4	5/16 (8mm)	.250	.34	1.55	.83	.67
322PLPSP-8M-8M	5/16 (8mm)	.320	.39	1.75	1.02	.87
322PLPSP-6-8M	3/8	.320	.39	1.97	1.16	.87
322PLPSP-8-6*	1/2	.375	.57	2.28	1.34	.87

*Nickel-plated brass. Dimensions for OD2 are I.D. of the tube.



322PLPSP Barbed Connector

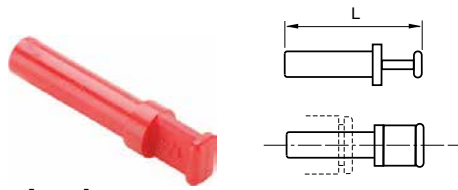
Part No.	OD 1	OD 2	OD 3	L	L1	L2
322PLPSP-4M-3M	4	3.2	5.0	37.0	25.0	17.0
322PLPSP-4M-5M	4	5.0	7.0	37.0	25.0	17.0
322PLPSP-6M-5M	6	5.0	7.0	39.0	25.0	17.0
322PLPSP-8M-6M	8	6.3	8.5	39.5	21.0	17.0
322PLPSP-8M-8M	8	8.0	10.0	44.5	26.0	22.0
322PLPSP-10M-6M	10	6.3	8.0	45.0	24.5	17.0
322PLPSP-10M-8M	10	8.0	10.0	50.0	29.5	22.0
322PLPSP-12M-8M	12	8.0	10.0	50.0	26.0	22.0
322PLPSP-12M-10M	12	10.0	12.0	48.5	25.5	22.5
322PLPSP-12M-12M	12	12.5	14.5	57.0	34.0	22.5
322PLPSP-14M-12M	14	12.5	14.5	59.5	34.5	22.5

*Nickel-plated brass. Dimensions for OD2 are I.D. of the tube.



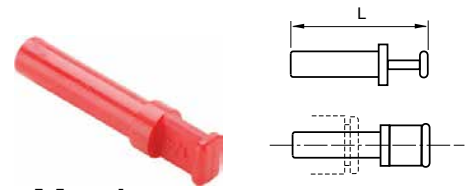
WARNING

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639PLP Plug Inch

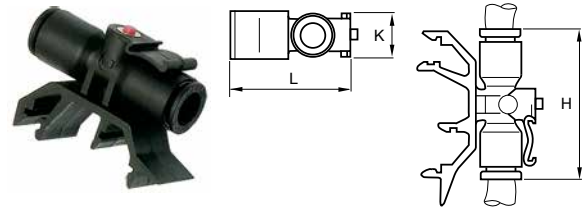
Part No.	Tube Size	L
639PLP-2	1/8	1.30
639PLP-3	3/16	1.36
639PLP-4	1/4	1.44
639PLP-6	3/8	1.67
639PLP-8	1/2	1.91



639PLP Plug Metric

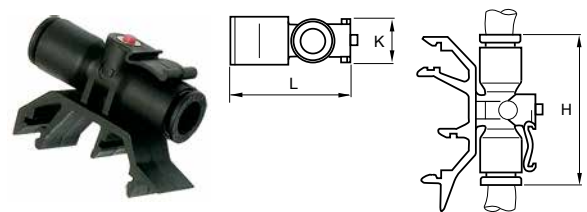
Part No.	Tube Size	L
639PLP-3M	3	25
639PLP-4M	4	30
639PLP-6M	6	33
639PLP-8M	8	33
639PLP-10M	10	42
639PLP-12M	12	45
639PLP-14M	14	49
639PLP-16M*	16	57

* Nickel Plated Brass



32PLPRC Connector for 2 Tubes

Part No.	Tube Size (in)	H	K	L
32PLPRC-4	1/4	1.44	.47	1.18



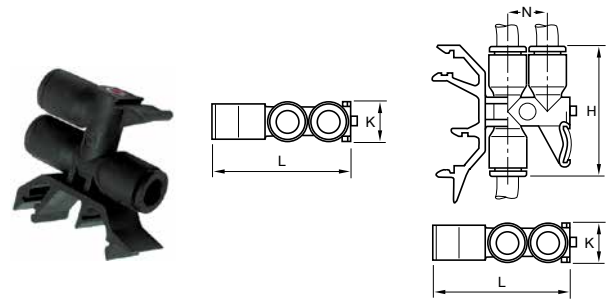
32PLPRC Connector for 2 Tubes

Part No.	Tube Size (mm)	H	K	L
32PLPRC-4M	4	36.5	11.0	39.5
32PLPRC-6M	6	36.5	11.0	39.5
32PLPRC-8M	8	46.0	13.0	44.5



WARNING

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32PLPDRC Connector for 3 Tubes

Part No.	Tube Size (mm)	H	K	L	N
32PLPDRC-4M	4	36.5	11.0	39.5	
32PLPDRC-6M	6	36.5	11.0	39.5	
32PLPDRC-8M	8	46.0	13.0	14.5	



Clip Strips for Tubing and Fittings

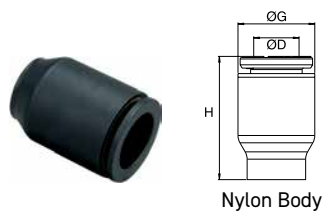
Part No.	D Tube	LF3000 to be clipped	H (mm)	K (mm)	N (mm)	No. per strip
CLIP 04 00	5/32, 4mm	–	9	13.5	10.5	8
CLIP 06 00	1/4, 3/16, 6mm	–	10.5	13	10.5	8
CLIP 08 00	5/16, 8mm	5/32, 4mm	12.5	10.5	12	7
CLIP 10 00	3/8, 10mm	1/4, 6mm	14	12	15	6
CLIP 12 00	1/2, 12mm		16.5	14	16.5	5
CLIP 14 00	14mm	5/16, 8mm	18	16	20.5	4

Clip strips come complete with screws of .512 inches in length.



WARNING

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3151 End Caps

Part No.	D (in)	G (mm)	H (mm)
3151 53 00	1/8	.33	.55
3151 04 00	5/32	.33	.55
3151 56 00	1/4	.41	.64
3151 08 00	5/16	.53	.86
3151 60 00	3/8	.53	.86

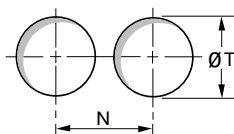
3151 End Caps

Part No.	D (mm)	G (mm)	H (mm)
3151 04 00	4	8.5	14.7
3151 06 00	6	10.5	16.9
3151 08 00	8	13.5	21.9
3151 10 00	10	16	22.2
3151 12 00	12	19	27.7

32PLPBHP Plug-in Bulkhead Union

Part No.	Tube Size (in)	L1	L2	ØT
32PLPBHP-4	1/4	.26	1.240	.75
32PLPBHP-8M	5/16 (8mm)	.30	1.280	.87
32PLPBHP-6	3/8	.30	1.630	1.12

Minimum distance between fittings.
Diameter of fixing hole.



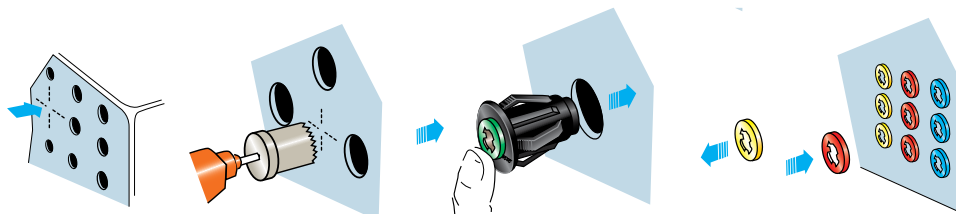
Fixing Hole

D		5/32	1/4	5/16	3/8	1/2
T	inches	5/8"	3/4"	7/8"	1 1/8"	1 1/4"
	mm	15.87	19.05	22.22	28.57	31.75
N	in	.89	1.00	1.08	1.34	1.50

Tolerance T: +0.3 -0.1

Installation

1. Mark out the fixing hole
2. Make hole in panel
3. Simply push the fitting into place
4. To complete the installation
5. To identify circuits simply remove the black release button and replace with colored one



WARNING

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AQRT - Quick Release Tool

Makes disconnection of tube adapters and tubing a breeze.



3110 - 3330 Caps Manual Release Button - Inch

Tube O.D.	White Part No.	Black Part No.	Green Part No.	Red Part No.	Blue Part No.	Yellow Part No.
1/8	3110 53 00	-	3110 53 02	3110 53 03	3110 53 04	3110 53 05
5/32	3110 04 00	3330 04 01	3110 04 02	3110 04 03	3110 04 04	3110 04 05
3/16	3330 55 00	3330 55 01	3330 55 02	3330 55 03	3330 55 04	3330 55 05
1/4	3110 56 00	3330 56 01	3110 56 02	3110 56 03	3110 56 04	3110 56 05
5/16	3110 08 00	-	3110 08 02	3110 08 03	3110 08 04	3110 08 05
3/8	3110 60 00	-	-	-	3110 60 04	3110 60 05
1/2	3110 62 00	3330 62 01	3110 62 02	3110 62 03	3110 62 04	3110 62 05

3110 - 3330 Caps Manual Release Button - Metric

Tube (mm)	White Part No.	Black Part No.	Green Part No.	Red Part No.	Blue Part No.	Yellow Part No.
4	3110 04 00	3330 04 01	3110 04 02	3110 04 03	3110 04 04	3110 04 05
6	3110 06 00	3330 06 01	3110 06 02	3110 06 03	3110 06 04	3110 06 05
8	3110 08 00	-	3110 08 02	3110 08 03	3110 08 04	3110 08 05
10	3110 10 00	-	3110 10 02	3110 10 03	3110 10 04	3110 10 05
12	3110 12 00	-	3110 12 02	3110 12 03	3110 12 04	3110 12 05
14	3110 14 00	-	3110 14 02	3110 14 03	3110 14 04	3110 14 05

In all sizes of the LF3000 fittings, except 3/16, the push button is an integral part of the design which makes it non-removable, and comes standard in black. For identification of the circuits, colored caps (p/n 3110) fit over the black push button.

On the 3/16 sizes, the buttons are removable and can be replaced with a button of another color (p/n 3330).

Six colors are available which allow color coding of the fitting, in association with tubes of the same color.



WARNING

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OSCILLATING ELBOWS

Parker's oscillating fittings are designed to satisfy the requirements of industrial automation and robotics. The oscillating fitting features low-friction washers enabling the fitting to rotate in conjunction with The stroke of the cylinder piston.

Product Features:

- Glass reinforced nylon 6.6 body
- Nylon collar
- Stainless Steel gripping ring
- Nitrile D seal
- Nitrile o-ring
- Nickel-plated brass threads

Markets:

- Robotics
- Pneumatics
- Textile
- Packaging
- Semi-conductors

Applications:

- Air
- Cutting Fluids
- Inert Gases

Specifications:

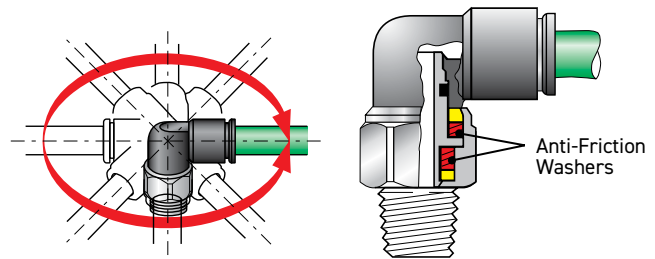
Pressure Range	Up to 290 PSI (19.9 bar) depending on tubing
Temperature Range	-4° to +175° F (-20° to +79.4° C)

Compatible Tubing:

- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.

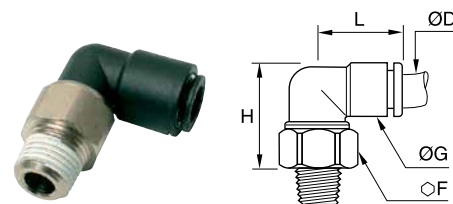


O.D. Tube (in and mm)	5/32 & 4	1/4 & 6	8	10	12
"Maximum rotation speed in radian/second"	190	160	120	90	80



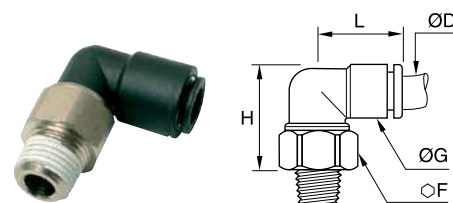
WARNING

This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



W369PLPO Oscillating Compact Elbow - NPT

Part No.	Tube Size (in)	NPT	F	G	H	L
W369PLPO-4M-2	5/32(4mm)	1/8	12	.43	.85	.69
W369PLPO-4-2	1/4	1/8	14	.55	1.04	.81
W369PLPO-4-4	1/4	1/4	14	.55	1.04	.81



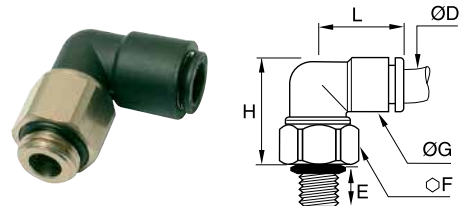
W369PLPO Oscillating Compact Elbow - BSPT

Part No.	Tube Size (mm)	BSPT	F	G	H	L
W369PLPO-4M-2R	4	1/8	12	11.0	22.0	17.5
W369PLPO-6M-2R	6	1/8	14	14.0	26.5	20.5
W369PLPO-6M-4R	6	1/4	14	14.0	23.5	20.5
W369PLPO-8M-2R	8	1/8	17	16.0	32.0	23.5
W369PLPO-8M-4R	8	1/4	17	16.0	29.0	23.5
W369PLPO-8M-6R	8	3/8	17	16.0	25.0	23.5
W369PLPO-10M-4R	10	1/4	19	19.5	37.5	29.0
W369PLPO-10M-6R	10	3/8	19	19.5	33.5	29.0
W369PLPO-12M-4R	12	1/4	21	22.0	44.5	33.5
W369PLPO-12M-6R	12	3/8	21	22.0	41.0	33.5



WARNING

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369PLPO Oscillating Compact Elbow - BSPP, M5

Part No.	Tube Size (mm)	M5/BSPP	E	F	G	H	L
369PLPO-4M-M5	4	M5X0.8	3.0	12	11.0	24.5	17.5
369PLPO-4M-2G	4	1/8	5.0	13	11.0	23.0	17.5
369PLPO-6M-M5	6	M5X0.8	3.0	12	14.0	27.5	20.5
369PLPO-6M-2G	6	1/8	5.0	14	14.0	27.0	20.5
369PLPO-6M-4G	6	1/4	5.5	16	14.0	25.5	20.5
369PLPO-8M-2G	8	1/8	5.0	17	16.0	33.5	23.5
369PLPO-8M-4G	8	1/4	5.5	17	16.0	31.0	23.5
369PLPO-8M-6G	8	3/8	5.5	20	16.0	29.5	23.5
369PLPO-10M-4G	10	1/4	5.5	19	19.5	50.0	29.0
369PLPO-10M-6G	10	3/8	5.5	20	19.5	37.0	29.0
369PLPO-12M-4G	12	1/4	5.5	21	22.0	46.5	33.5
369PLPO-12M-6G	12	3/8	5.5	21	22.0	45.5	33.5



WARNING

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PRESTOLOK PLM

Metal Push-to-Connect Fittings

To meet your technical and environment requirements, Parker's Prestolok PLM fittings offers the robustness, reliability and resistance to industrial fluids for the most demanding environments.

Product Features:

- High phosphorous, FDA-compliant, chemical resistant, nickel-plated collet and body
- FKM seal
- Chemical, corrosion, and abrasion resistance
- NPT, BSPT, BSPP, and metric threads
- Silicone Free

Markets:

- Industrial
- Chemical
- Life Science
- Automation
- Food Processing

Compatible Media:

- Food Fluids
- Harsh Detergents
- Cleaning In Cold/Hot Water
- Steam
- Oils
- Compressed Air
- Inert Gases

Specifications:

Pressure Range	Up to 435 psi (30 bar) 290 psi (19.9 bar) for 169PLM
Temperature Range	-13° to +302° F (-25° to +150° C)
Vacuum Rating	28" Hg

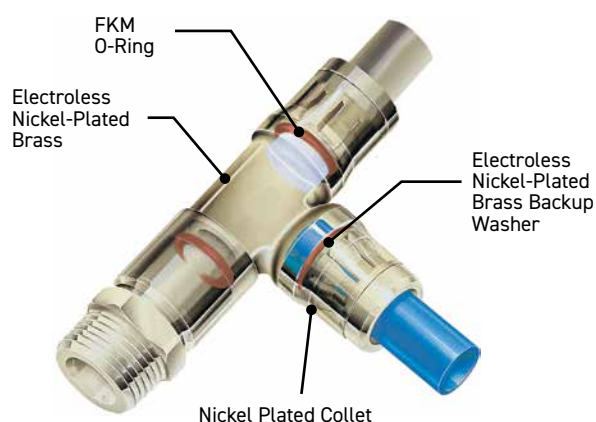
Note: Maximum pressure and temperature range depend on the type of tubing used.

Compatible Tubing:

- Polyethylene
- Polyurethane 95 Durometer Shore A
- FEP
- Nylon

Assembly Instructions

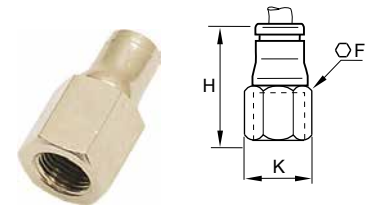
1. Cut tubing squarely maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.



WARNING

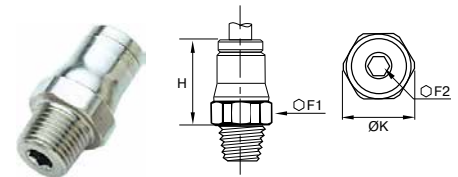
This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov





66PLM Female Connector Metric Tube to BSPP or M5

Part No.	Tube Size (mm)	BSPP/M5	F (mm)	H (mm)	K (mm)
66PLM-4M-M5	4	M5X0.8	10	22.00	11.00
66PLM-4M-2G	4	1/8	14	25.00	15.00
66PLM-4M-4G	4	1/4	17	29.00	18.50
66PLM-6M-2G	6	1/8	14	27.50	15.00
66PLM-6M-4G	6	1/4	17	31.50	18.50
66PLM8M-2G	8	1/8	15	28.50	16.00
66PLM-8M-4G	8	1/4	17	32.50	18.50
66PLM-10M-6G	10	3/8	22	38.00	24.00
66PLM-12M-6G	12	3/8	22	39.00	24.00
66PLM-12M-8G	12	1/2	24	43.50	26.00



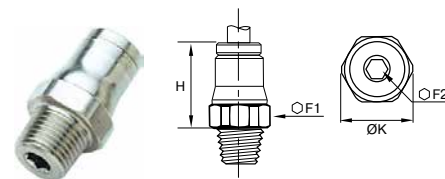
68PLM Male Connector Inch Tube to NPT/UNF

Part no.	Tube Size (in)	NPT/UNF	F1 (mm)	F2 (mm)	H (in)	K (in)
68PLM-4M-0	5/32(4MM)	10-32	10	2.5	.61	.43
68PLM-4M-2	5/32(4MM)	1/8	11	3.0	.59	.47
68PLM-4-0	1/4	10-32	13	2.5	.75	.55
68PLM-4-2	1/4	1/8	13	4.0	.67	.55
68PLM-4-4	1/4	1/4	14	4.0	.67	.59
68PLM-4-6	1/4	3/8	18	5.0	.67	.77
68PLM-6-2	3/8	1/8	18	4.0	.97	.77
68PLM-6-4	3/8	1/4	18	7.0	.95	.77
68PLM-6-6	3/8	3/8	18	8.0	.91	.77
68PLM-6-8	3/8	1/2	22	8.0	.95	.94



WARNING

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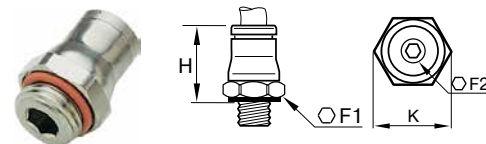
68PLM Male Connector Metric Tube to BSPT

Part no.	Tube Size (mm)	BSPT	F1 (mm)	F2 (mm)	H (mm)	K (mm)
68PLM-4M-2R	4	1/8	10	3	15.00	11.00
68PLM-4M-4R	4	1/4	14	3	15.00	15.00
68PLM-6M-2R	6	1/8	13	4	17.00	14.00
68PLM-6M-4R	6	1/4	14	4	17.00	15.00
68PLM-8M-2R	8	1/8	15	5	19.00	16.00
68PLM-8M-4R	8	1/4	15	6	18.00	16.00
68PLM-8M-6R	8	3/8	17	6	18.50	18.50
68PLM-10M-4R	10	1/4	18	7	23.00	19.50
68PLM-10M-6R	10	3/8	18	8	22.50	19.50
68PLM-10M-8R	10	1/2	22	8	22.50	24.00
68PLM-12M-4R	12	1/4	20	7	25.50	22.00
68PLM-12M-6R	12	3/8	20	9	24.00	22.00
68PLM-12M-8R	12	1/2	22	10	23.00	24.00
68PLM-14M-6R	14	3/8	22	9	27.00	24.00
68PLM-14M-8R	14	1/2	24	11	26.00	26.00



WARNING

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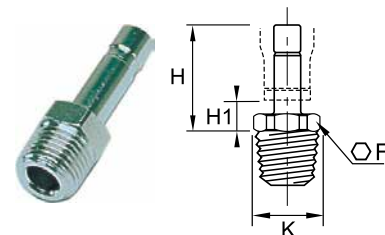
68PLM Male Connector Tube to UNF, BSPP or Metric

Part No.	Tube Size (mm)	BSPP/Metric	F1 (mm)	F2 (mm)	H (mm)	K (mm)
68PLM-4M-M5	4	M5X0.8	10	2.50	15.50	11.00
68PLM-4M-M6	4	M6X1	13	3.00	14.50	14.00
68PLM-4M-2G	4	1/8	10	3.00	16.00	11.00
68PLM-4M-4G	4	1/4	16	3.00	14.50	17.50
68PLM-4M-M8	4	M8X1	11	3.00	14.50	12.00
68PLM-6M-M5	6	M5X0.8	13	2.50	19.00	14.00
68PLM-6M-2G	6	1/8	13	4.00	17.50	14.00
68PLM-6M-M10	6	M10X1	13	4.00	17.50	14.00
68PLM-6M-4G	6	1/4	16	4.00	17.00	17.50
68PLM-8M-2G	8	1/8	15	5.00	20.00	16.00
68PLM-8M-4G	8	1/4	16	6.00	18.00	17.50
68PLM-8M-6G	8	3/8	20	6.00	19.00	22.00
68PLM-10M-4G	10	1/4	18	7.00	25.00	19.50
68PLM-10M-6G	10	3/8	20	8.00	22.50	22.00
68PLM-10M-8G	10	1/2	24	8.00	22.50	26.00
68PLM-12M-4G	12	1/4	20	7.00	27.00	22.00
68PLM-12M-6G	12	3/8	20	9.00	26.00	22.00
68PLM-12M-8G	12	1/2	24	10.00	23.50	26.00
68PLM-14M-6G	14	3/8	22	9.00	28.00	24.00
68PLM-14M-8G	14	1/2	24	11.00	26.50	26.00



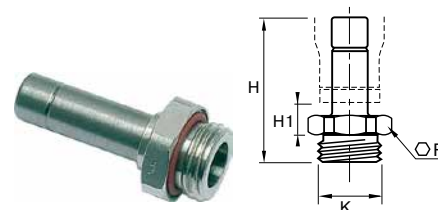
WARNING

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68PLMSP Male Stud Standpipe Metric Tube to BSPT

Part no.	Tube Size (mm)	BSPT	F (mm)	H (mm)	H1 (mm)	K (mm)
68PLMSP-4M-2R	4	1/8	10	21.00	7.00	11.00
68PLMSP-6M-2R	6	1/8	10	23.50	6.50	11.00
68PLMSP-6M-4R	6	1/4	10	23.50	6.50	15.00
68PLMSP-8M-2R	8	1/8	10	24.00	6.50	11.00
68PLMSP-8M-4R	8	1/4	14	24.00	6.50	15.00
68PLMSP-10M-4R	10	1/4	14	22.00	6.50	15.00
68PLMSP-10M-6R	10	3/8	17	30.00	7.50	18.50
68PLMSP-12M-6R	12	3/8	17	31.00	7.50	18.50
68PLMSP-12M-8R	12	1/2	22	38.00	7.50	24.00



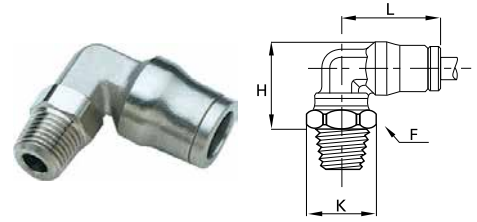
68PLMSP Male Standpipe Metric Tube to BSPP or M5

Part No.	Tube Size (mm)	BSPP/M5	F (mm)	H (mm)	H1 (mm)	K (mm)
68PLMSP-4M-M5	4	M5X0.8	13	25.50	7.00	14.00
68PLMSP-4M-2G	4	1/8	16	26.50	7.00	17.50
68PLMSP-4M-4G	4	1/4	8	25.00	7.50	8.70
68PLMSP-6M-2G	6	1/8	13	28.00	6.50	14.00
68PLMSP-6M-4G	6	1/4	16	29.00	6.50	17.50
68PLMSP-8M-2G	8	1/8	13	28.50	6.50	14.00
68PLMSP-8M-4G	8	1/4	16	29.50	6.50	17.50
68PLMSP-8M-6G	8	3/8	20	30.50	7.50	22.00
68PLMSP-10M-4G	10	1/4	16	34.50	6.50	17.50
68PLMSP-10M-6G	10	3/8	20	35.50	7.50	22.00
68PLMSP-10M-8G	10	1/2	24	37.00	7.50	26.00
68PLMSP-12M-6G	12	3/8	20	36.50	7.50	22.00
68PLMSP-12M-8G	12	1/2	24	38.00	7.50	26.00
68PLMSP-14M-8G	14	1/2	24	40.00	8.00	26.00



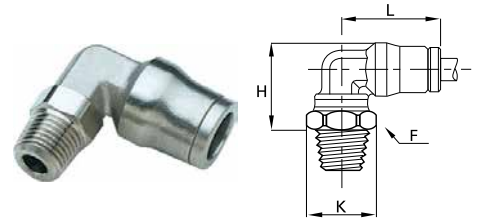
WARNING

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169PLM Male Elbow Inch Tube to NPT, UNF

Part No.	Tube Size (in)	NPT/UNF	F (mm)	H (in)	K (in)	L (in)
169PLM-4M-2	5/32(4MM)	1/8	11	.59	.47	.71
169PLM-4M-4	5/32(4MM)	1/4	14	.67	.60	.71
169PLM-4-2	1/4	1/8	11	.69	.47	.87
169PLM-4-4	1/4	1/4	14	.75	.60	.87
169PLM-4-6	1/4	3/8	18	.75	.77	.87
169PLM-6-4	3/8	1/4	15	.93	.63	1.14
169PLM-6-6	3/8	3/8	18	1.02	.77	1.14
169PLM-8-6	1/2	3/8	18	1.14	.77	1.22
169PLM-8-8	1/2	1/2	22	1.14	.94	1.22



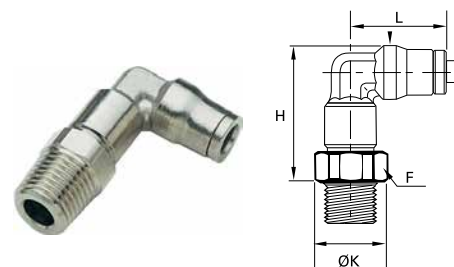
169PLM Male Elbow Metric Tube to BSPT

Part No.	Tube Size (mm)	BSPT	F (mm)	H (mm)	K (mm)	L (mm)
169PLM-4M-2R	4	1/8	11	15.00	12.00	18.00
169PLM-4M-4R	4	1/4	14	17.00	15.00	18.00
169PLM-6M-2R	6	1/8	11	17.50	12.00	21.50
169PLM-6M-4R	6	1/4	14	19.00	15.00	21.50
169PLM-8M-2R	8	1/8	11	19.50	12.00	23.50
169PLM-8M-4R	8	1/4	14	21.00	15.00	23.50
169PLM-8M-6R	8	3/8	17	21.00	18.50	23.50
169PLM-10M-4R	10	1/4	15	23.50	16.00	29.00
169PLM-10M-6R	10	3/8	17	25.50	18.50	29.00
169PLM-12M-4R	12	1/4	15	26.00	16.00	31.00
169PLM-12M-6R	12	3/8	17	28.50	18.50	31.00
169PLM-12M-8R	12	1/2	21	28.50	23.00	31.00
169PLM-14M-6R	14	3/8	19	29.00	21.00	34.00
169PLM-14M-8R	14	1/2	24	30.00	26.00	34.00



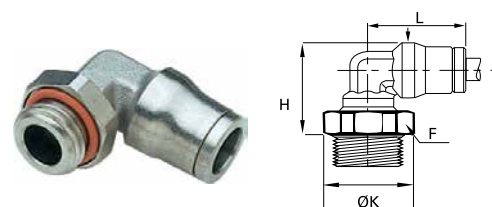
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169PLMX Extended Male Elbow Metric Tube to BSPT

Part No.	Tube Size (mm)	BSPT	F (mm)	H (mm)	K (mm)	L (mm)
169PLMX-4M-2R	4	1/8	10	24.50	11.00	18.00
169PLMX-6M-2R	6	1/8	13	29.50	14.00	21.50
169PLMX-6M-4R	6	1/4	14	30.50	15.00	21.50
169PLMX-8M-2R	8	1/8	14	32.50	15.00	23.50
169PLMX-8M-4R	8	1/4	14	34.00	15.00	23.50
169PLMX-10M-4R	10	1/4	18	39.00	19.50	29.00



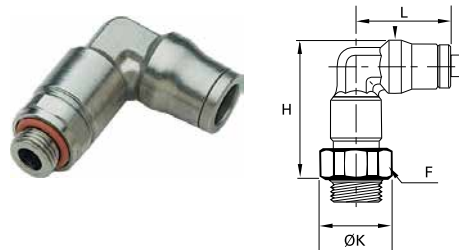
169PLM Male Elbow Tube to BSPP, Metric

Part No.	Tube Size (mm)	BSPP/Metric	F (mm)	H (mm)	K (mm)	L (mm)
169PLM-4M-M5	4	M5X0.8	10	18.00	11.00	18.00
169PLM-4M-2G	4	1/8	13	17.00	14.00	18.00
169PLM-4M-M6	4	M6X1	10	18.00	11.00	18.00
169PLM-4M-4G	4	1/4	16	17.50	17.50	18.00
169PLM-4M-M8	4	M8X1	11	18.00	12.00	18.00
169PLM-6M-M5	6	M5X0.8	10	20	14	22
169PLM-6M-2G	6	1/8	13	19.00	14.00	21.50
169PLM-6M-M10	6	M10X1	13	19.00	14.00	21.50
169PLM-6M-4G	6	1/4	16	19.50	17.50	21.50
169PLM-8M-2G	8	1/8	13	20.50	14.00	23.50
169PLM-8M-4G	8	1/4	16	21.50	17.50	23.50
169PLM-8M-6G	8	3/8	20	21.50	22.00	23.50
169PLM-10M-4G	10	1/4	16	27.00	17.50	29.00
169PLM-10M-6G	10	3/8	20	25.50	22.00	29.00
169PLM-12M-4G	12	1/4	16	29.50	17.50	31.00
169PLM-12M-6G	12	3/8	20	28.50	22.00	31.00
169PLM-12M-8G	12	1/2	24	28.50	26.00	31.00
169PLM-14M-6G	14	3/8	20	29.00	22.00	34.00
169PLM-14M-8G	14	1/2	24	29.50	26.00	34.00



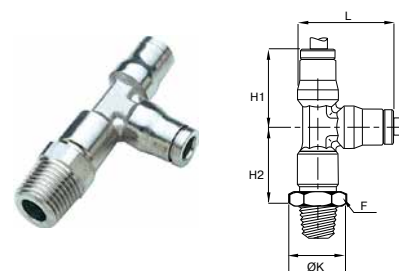
WARNING

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169PLMX Extended Male Elbow Metric Tube to BSPP or M5

Part No.	Tube Size (mm)	BSPP/M5	F (mm)	H (mm)	K (mm)	L (mm)
169PLMX-4M-M5	4	M5X0.8	10	27.50	11.00	18.00
169PLMX-4M-2G	4	1/8	13	25.50	14.00	18.00
169PLMX-6M-2G	6	1/8	13	31.00	14.00	18.00
169PLMX-6M-4G	6	1/4	16	30.50	17.50	21.50
169PLMX-8M-2G	8	1/8	14	33.50	15.00	23.50
169PLMX-8M-4G	8	1/4	16	34.00	17.50	23.50
169PLMX-10M-4G	10	1/4	18	42.00	19.50	29.00
169PLMX-10M-6G	10	3/8	20	41.00	22.00	29.00
169PLMX-12M-4G	12	1/4	20	47.00	22.00	31.00
169PLMX-12M-6G	12	3/8	20	46.00	22.00	31.00
169PLMX-14M-8G	14	1/2	24	49.00	26.00	34.00



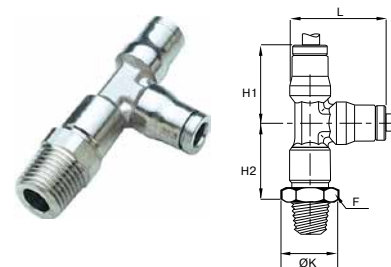
171PLM Male Run Tee Inch Tube to Tube to NPT, UNF

Part NO.	Tube Size (in)	NPT/UNF	F (mm)	H1 (in)	H2 (in)	K (in)	L (in)
171PLM-4M-2	5/32(4MM)	1/8	11	.71	.77	.47	.91
171PLM-6-8	3/8	1/2	22	1.14	1.28	.94	1.48
171PLM-8-6	1/2	3/8	22	1.22	1.46	.94	1.61



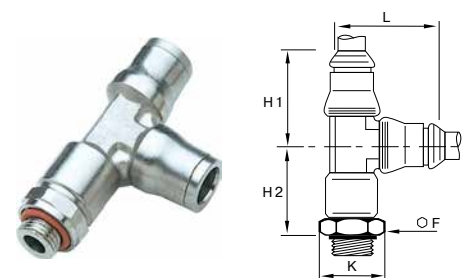
WARNING

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171PLM Male Run Tee Metric Tube to Tube to BSPT

Part no.	Tube Size (mm)	BSPT	F (mm)	H1 (mm)	H2 (mm)	K (mm)	L (mm)
171PLM-4M-2R	4	1/8	10	18.00	19.50	11.00	23.00
171PLM-6M-2R	6	1/8	13	21.50	23.50	14.00	28.00
171PLM-6M-4R	6	1/4	14	21.50	24.50	15.00	28.00
171PLM-8M-2R	8	1/8	14	23.50	25.00	15.00	31.00
171PLM-8M-4R	8	1/4	14	23.50	26.50	15.00	31.00
171PLM-10M-4R	10	1/4	18	29.00	30.50	19.50	37.50
171PLM-10M-6R	10	3/8	18	29.00	32.50	19.50	37.50
171PLM-12M-6R	12	3/8	21	31.00	36.50	23.00	40.50
171PLM-14M-8R	14	1/2	22	34.00	40.00	24.00	45.00



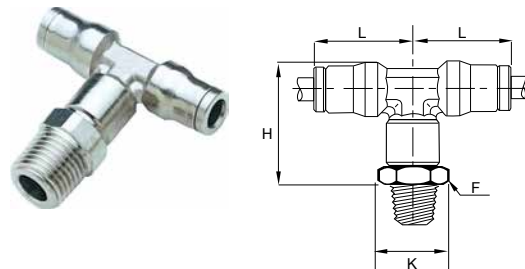
171PLM Male Run Tee Tube to Tube to BSPP or M5

Part No.	Tube Size (mm)	BSPP/M5	F (mm)	H1 (mm)	H2 (mm)	K (mm)	L (mm)
171PLM-4M-M5	4	M5X0.8	10	18.00	22.50	11.00	23.00
171PLM-6M-2G	6	1/8	13	21.50	25.00	14.00	28.00
171PLM-6M-4G	6	1/4	16	21.50	24.50	17.50	28.00
171PLM-8M-2G	8	1/8	14	23.50	26.50	15.00	31.00
171PLM-8M-4G	8	1/4	16	23.50	26.50	17.50	31.00
171PLM-10M-4G	10	1/4	18	29.00	33.00	19.50	37.50
171PLM-12M-6G	12	3/8	21	31.00	36.50	23.00	40.50
171PLM-14M-8G	14	1/2	24	34.00	38.50	26.00	45.00



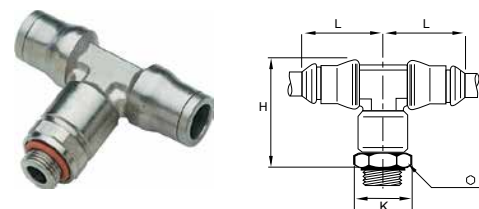
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172PLM Male Branch Tee Metric Tube to BSPT

Part NO.	Tube Size (mm)	BSPT	F (mm)	H (mm)	K (mm)	L (mm)
172PLM-4M-2R	4	1/8	10	24.50	11.00	18.00
172PLM-6M-2R	6	1/8	13	29.50	14.00	21.50
172PLM-6M-4R	6	1/4	14	30.50	15.00	21.50
172PLM-8M-2R	8	1/8	14	32.50	15.00	23.50
172PLM-8M-4R	8	1/4	14	34.00	15.00	23.50
172PLM-10M-4R	10	1/4	18	39.00	19.50	29.00
172PLM-10M-6R	10	3/8	18	41.00	19.50	29.00
172PLM-12M-6R	12	3/8	21	46.50	23.00	31.00
172PLM-14M-8R	14	1/2	22	50.50	24.00	34.00



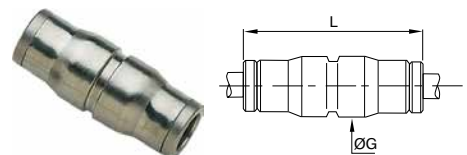
172PLM Male Branch Tee Tube to BSPP or M5

Part No.	Tube Size (mm)	BSPP/M5	F (mm)	H (mm)	K (mm)	L (mm)
172PLM-4M-M5	4	M5X0.8	10	27.50	11.00	18.00
172PLM-4M-2G	4	1/8	13	25.50	14.00	18.00
172PLM-6M-2G	6	1/8	13	31.00	14.00	21.50
172PLM-6M-4G	6	1/4	16	30.50	17.50	21.50
172PLM-8M-2G	8	1/8	14	33.50	15.00	23.50
172PLM-8M-4G	8	1/4	16	34.00	17.50	23.50
172PLM-10M-4G	10	1/4	18	42.00	19.50	29.00
172PLM-12M-6G	12	3/8	21	46.00	23.00	31.00
172PLM-14M-8G	14	1/2	24	49.00	26.00	34.00



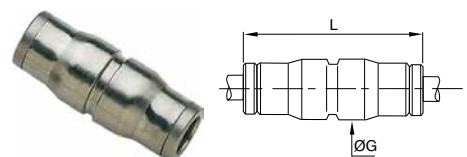
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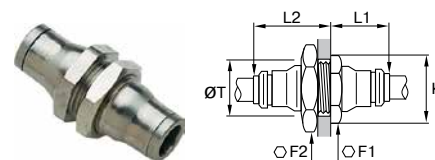
62PLM Straight Union Inch Tube to Tube

Part No.	Tube Size (in)	G (in)	L (in)
62PLM-4	1/4	.49	1.44
62PLM-8	1/2	.79	1.89



62PLM Straight Union Metric Tube to Tube

Part No.	Tube Size (mm)	G (mm)	L (mm)
62PLM-4M	4MM(5/32)	10.00	30.50
62PLM-6M	6	12.00	36.50
62PLM-8M	8MM(5/16)	15.00	37.50
62PLM-10M	10	17.50	47.50
62PLM-12M	12	19.50	50.00
62PLM-14M	14	21.50	52.50



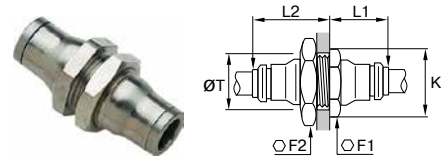
62PLMBH Bulkhead Connector Inch Tube to Tube

Part No.	Tube Size (in)	F1 (mm)	F2 (mm)	K (in)	L1 (in)	L2 (in)	T (in)
62PLMBH-6	3/8	22	27	.95	.87	1.10	.85



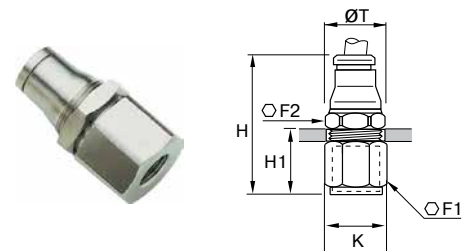
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62PLMBH Bulkhead Connector Metric Tube to Tube

Part No.	Tube Size (mm)	F1 (mm)	F2 (mm)	K (mm)	L1 (mm)	L2 (mm)	T (mm)
62PLMBH-4M	4MM(5/32)	13	14	14.00	14.00	20.00	12.50
62PLMBH-6M	6	16	17	17.50	17.00	22.00	15.00
62PLMBH-8M	8MM(5/16)	18	19	19.50	18.50	23.50	17.00
62PLMBH-10M	10	22	27	24.00	21.50	26.50	21.00
62PLMBH-12M	12	24	24	26.00	23.00	27.00	23.00
62PLMBH-14M	14	27	27	29.50	25.50	29.50	25.00



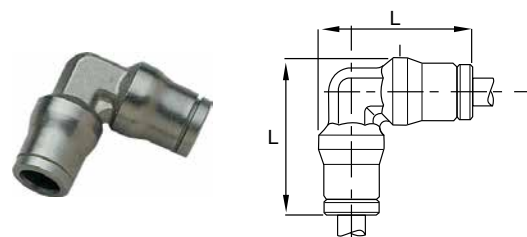
66PLMBH Female Bulkhead Connector Metric Tube to BSPP

Part No.	Tube Size (mm)	BSPP	F1 (mm)	F2 (mm)	H (mm)	H1 (mm)	K (mm)	T (mm)
66PLMBH-4M-2G	4	1/8	14	14	30.50	11.00	15.00	13
66PLMBH-6M-2G	6	1/8	17	17	32.50	11.00	18.50	15
66PLMBH-6M-4G	6	1/4	17	17	37.00	15.00	18.50	15
66PLMBH-8M-2G	8	1/8	19	19	34.00	10.50	21.00	17
66PLMBH-8M-4G	8	1/4	19	19	38.00	14.50	21.00	17
66PLMBH-10M-6G	10	3/8	22	27	42.50	16.00	24.00	21
66PLMBH-12M-6G	12	3/8	24	24	43.00	16.00	26.00	23
66PLMBH-12M-8G	12	1/2	27	24	48.50	21.50	29.50	23



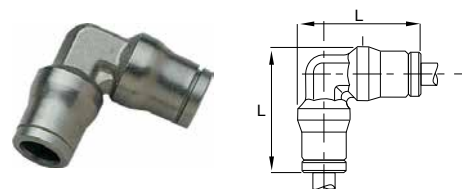
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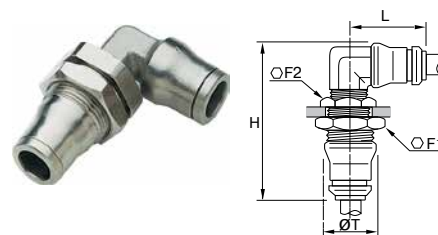
165PLM Union Elbow Inch Tube

Part No.	Tube Size (in)	L (in)
165PLM-4	1/4	1.12



165PLM Union Elbow Metric Tube

Part No.	Tube Size (mm)	L (mm)
165PLM-4M	4MM(5/32)	23.00
165PLM-6M	6	28.00
165PLM-8M	8MM(5/16)	31.00
165PLM-10M	10	37.50
165PLM-12M	12	40.50
165PLM-14M	14	45.00



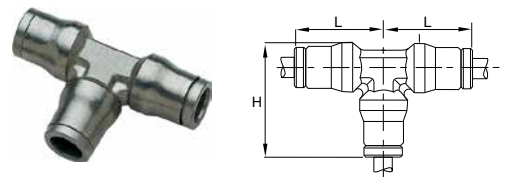
165PLMBH Bulkhead Elbow Metric Tube

Part No.	Tube Size (mm)	F1 (mm)	F2 (mm)	H (mm)	L (mm)	T (mm)
165PLMBH-4M	4	13	14	35.00	18.00	12.50
165PLMBH-6M	6	16	17	40.50	21.50	15.00
165PLMBH-8M	8	18	19	44.00	23.50	17.00
165PLMBH-10M	10	22	27	51.00	29.00	21.00
165PLMBH-12M	12	24	24	55.00	31.00	23.00
165PLMBH-14M	14	27	27	59.00	34.00	25.00



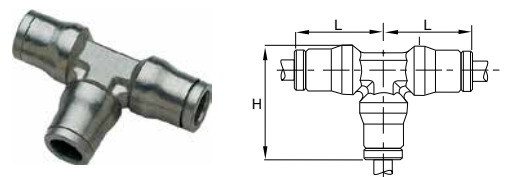
WARNING

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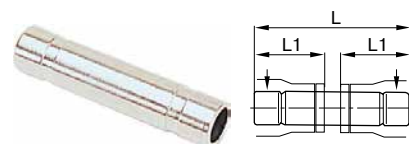
164PLM Union Tee Inch Tube

Part No.	Tube Size (in)	H (in)	L (in)
164PLM-6	3/8	1.48	1.14



164PLM Union Tee Metric Tube

Part No.	Tube Size (mm)	H (mm)	L (mm)
164PLM-4M	4MM(5/32)	23.00	18.00
164PLM-6M	6	28.00	21.50
164PLM-8M	8MM(5/16)	31.00	23.50
164PLM-10M	10	37.50	29.00
164PLM-12M	12	40.50	31.00
164PLM-14M	14	45.00	34.00



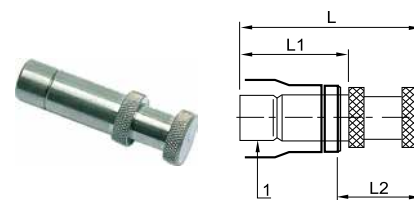
63PLM Double Male Union Metric

Part No.	Tube Size (mm)	L (mm)	L1 (mm)
63PLM-4M	4	31.00	14.00
63PLM-6M	6	36.50	17.00
63PLM-8M	8	37.50	17.50
63PLM-10M	10	47.50	22.50
63PLM-12M	12	49.50	23.50
63PLM-14M	14	53.00	25.00



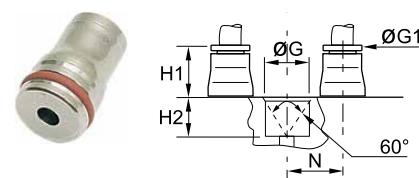
WARNING

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639PLM Plug Metric

Part No.	Tube 1 Size (mm)	L (mm)	L1 (mm)	L2 (mm)
639PLM-4M	4	25.50	17.00	11.50
639PLM-6M	6	30.50	19.50	13.50
639PLM-8M	8	33.00	20.00	16.00
639PLM-10M	10	40.00	25.00	18.00
639PLM-12M	12	43.00	26.00	20.00
639PLM-14M	14	47.00	28.00	22.50



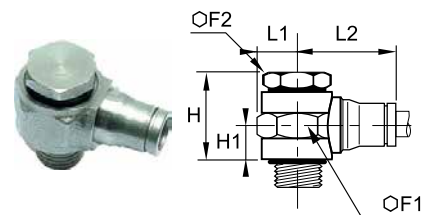
PLMC Cartridge

Part No.	Tube Size (mm)	G + .1 - 0	H1 (mm)	H2 (mm)	N (mm)
PLMC-4M	4	10.00	9.00	8.50	11.00
PLMC-6M	6	12.00	11.00	8.50	13.50
PLMC-8M	8	15.00	12.50	8.50	16.00
PLMC-10M	10	17.50	14.50	10.50	20.00
PLMC-12M	12	19.50	15.00	10.50	22.50
PLMC-14M	14	21.50	16.50	12.00	25.00



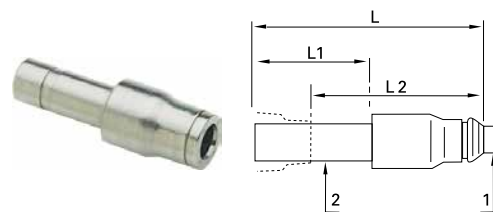
WARNING

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169PLMBJ Single Banjo Metric Tube to BSPP or M5

Part No.	Tube Size (mm)	BSPP/M5	F1 (mm)	F2 (mm)	H (mm)	H1 (mm)	L1 (mm)	L2 (mm)
169PLMBJ-4M-M5	4	M5X0.8	10	8	14.50	6.50	6.00	18.50
169PLMBJ-4M-2G	4	G1/8	17	14	23.00	9.50	10.00	20.50
169PLMBJ-6M-M5	6	M5X0.8	10	8	15.00	7.00	6.00	22.50
169PLMBJ-6M-2G	6	G1/8	17	14	23.00	9.50	10.00	23.50
169PLMBJ-6M-4G	6	G1/4	22	17	22.00	9.00	13.00	25.50
169PLMBJ-8M-2G	8	G1/8	17	14	23.00	9.50	10.00	26.00
169PLMBJ-8M-4G	8	G1/4	22	17	22.00	9.00	13.00	27.50
169PLMBJ-10M-6G	10	G3/8	22	22	33.00	14.00	13.00	32.00



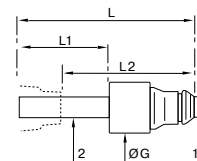
67PLM Plug-In Reducer Metric

Part No.	Tube 1 Size (mm)	Tube 2 Size (mm)	L (mm)	L1 (mm)	L2 (mm)
67PLM-4M-6M	4	6	34.50	19.00	17.50
67PLM-4M-8M	4	8	35.50	20.00	18.00
67PLM-6M-8M	6	8	37.00	20.00	19.50
67PLM-6M-10M	6	10	43.50	25.00	21.00
67PLM-8M-10M	8	10	44.00	25.00	21.50
67PLM-8M-12M	8	12	45.00	26.00	21.50
67PLM-10M-12M	10	12	50.00	26.00	26.50
67PLM-12M-14M	12	14	53.00	28.00	28.50



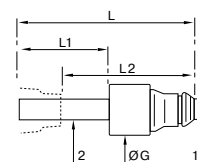
WARNING

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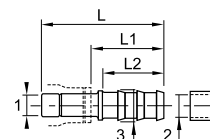
62PLMSP Plug-In Expander Metric

Part No.	Tube 1 Size (mm)	Tube 2 Size (mm)	G (mm)	L (mm)	L1 (mm)	L2 (mm)
62PLMSP-6M-4M	6	4	17	42	22	28



62PLMSP Plug-In Metric/Inch Adapter

Part No.	Tube 1 Size (mm)	Tube 2 Size (in)	G (mm)	L (mm)	L1 (mm)	L2 (mm)
62PLMSP-6M-4	6	1/4	12.50	38.00	19.00	20.50
62PLPSP-10M-6	10	3/8	17.00	49.50	25.00	27.00
62PLPSP-12M-8	12	1/2	20.00	51.00	26.00	27.50



122PLMSP Plug-In Barbed Connector Metric

Part No.	Tube 1 Size (mm)	Tube 2 Size (mm)	Tube 3 Size (mm)	L (mm)	L1 (mm)	L2 (mm)
122PLMSP-4M-3M	4	3.20	5.00	40.50	27.00	22.50
122PLMSP-4M-5M	4	5.00	7.00	40.50	27.00	22.50
122PLMSP-6M-5M	6	5.00	7.00	43.00	27.00	22.50
122PLMSP-8M-6M	8	6.30	8.30	42.00	25.00	22.50
122PLMSP-8M-8M	8	8.00	10.00	44.00	27.00	22.50
122PLMSP-10M-6M	10	6.30	8.30	47.50	25.50	22.50
122PLMSP-10M-8M	10	8.00	10.00	47.50	25.50	22.50
122PLMSP-12M-8M	12	8.00	10.00	48.50	25.50	22.50
122PLMSP-12M10M	12	10.00	12.00	48.50	25.50	22.50
122PLMSP-12M12M	12	12.50	14.50	57.00	34.00	29.50
122PLMSP-14M12M	14	12.50	14.50	57.50	33.00	29.50
122PLMSP-14M14M	14	14.00	16.00	59.50	35.00	29.50



WARNING

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PRESTOLOK PLS

Stainless Steel Push-to-Connect Fittings

Parker's Prestolok PLS fittings are ideal for conveying corrosive fluids in aggressive environments. Prestolok PLS fittings provide corrosion resistance and a hygienic external design.

Product Features:

- Stainless steel 316L collet
- Stainless steel 316L body
- FKM seal
- Stainless steel 316L backup washer
- Chemical, corrosion, and abrasion resistance
- Hygienic design reduces retention zones for
- Easy cleaning
- NPT, BSPT, BSPP, and metric threads
- Silicone Free

Markets:

- Petrochemical
- Life Science
- Pulp and Paper
- Food Processing
- Wash Down

Compatible Media:

- Food Fluids
- Chemicals
- Cleaning Agents
- Compressed Air
- Inert Gases

Specifications:

Pressure Range Up to 435 psi (30 bar)
290 psi (19.9 bar) for 169PLS

Temperature Range -13° to +302° F (-25° to +150° C)

Vacuum Rating 28" Hg

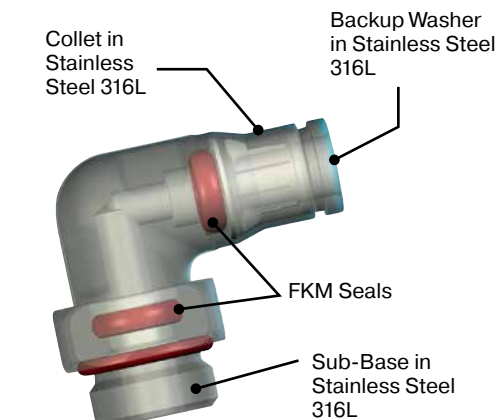
Note: Maximum pressure and temperature range depend on the type of tubing used.

Compatible Tubing:

- Semi-rigid nylon
- Polyethylene
- Polyurethane 95 Durometer Shore A
- Stainless Steel (grooved)
- Copper (grooved)
- FEP

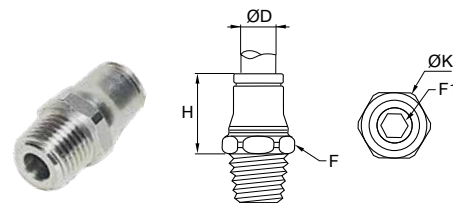
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.



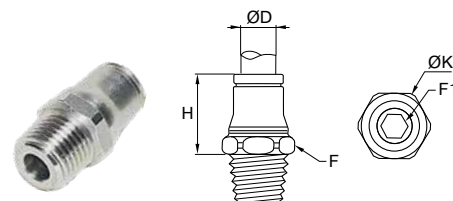
WARNING

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68PLS Male Connector - Inch Tube to NPT,UNF

Part No.	Tube Size (in)	NPT / UNF	F (mm)	F1 (mm)	H (in)	K (in)
68PLS-4M-0	5/32(4mm)	10-32	10	2.5	.59	.43
68PLS-4-2	1/4	1/8	13	4	.75	.55
68PLS-4-4	1/4	1/4	14	4	.69	.59
68PLS-6-4	3/8	1/4	19	6	.98	.83
68PLS-6-6	3/8	3/8	19	7	.94	.83
68PLS-8-4	1/2	1/4	22	7	1.02	.94
68PLS-8-6	1/2	3/8	22	8	.98	.94
68PLS-8-8	1/2	1/2	22	10	.98	.94



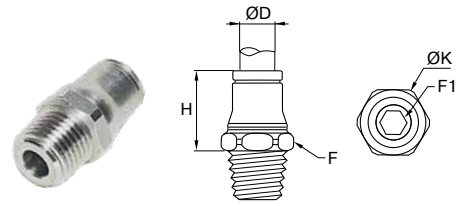
68PLS Male Connector - Metric Tube to NPT

Part No.	Tube Size (mm)	NPT	F (mm)	F1 (mm)	H (mm)	K (mm)
68PLS-4M-2	4mm (5/32)	1/8	11	3	14.50	12.00
68PLS-6M-2	6	1/8	13	4	18.00	14.00
68PLS-6M-4	6	1/4	14	4	16.50	15.00
68PLS-8M-2	8mm (5/16)	1/8	15	5	19.00	16.50
68PLS-8M-4	8mm (5/16)	1/4	15	6	18.00	16.50
68PLS-10M-4	10	1/4	19	6	24.00	21.00
68PLS-10M-6	10	3/8	19	7	22.50	21.00
68PLS-12M-4	12	1/4	22	7	25.00	24.00
68PLS-12M-6	12	3/8	22	8	24.00	24.00
68PLS-12M-8	12	1/2	22	10	23.00	24.00



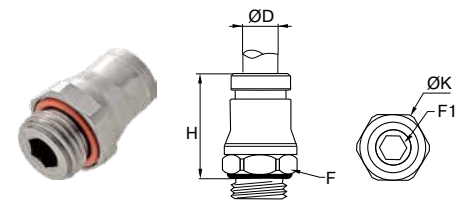
WARNING

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68PLS Male Connector - Metric Tube to BSPT

Part No.	Tube Size (mm)	BSPT	F (mm)	F1 (mm)	H (mm)	K (mm)
68PLS-4M-2R	4	1/8	10	3	14.50	11.00
68PLS-4M-4R	4	1/4	14	3	14.50	15.00
68PLS-6M-2R	6	1/8	13	4	18.00	14.00
68PLS-6M-4R	6	1/4	14	4	16.50	15.00
68PLS-8M-2R	8	1/8	15	5	20.50	16.50
68PLS-8M-4R	8	1/4	15	5	19.00	16.50
68PLS-8M-6R	8	3/8	17	6	19.00	18.50
68PLS-10M-4R	10	1/4	19	6	24.00	21.00
68PLS-10M-6R	10	3/8	19	7	22.50	21.00
68PLS-12M-4R	12	1/4	22	7	25.00	24.00
68PLS-12M-6R	12	3/8	22	8	24.00	24.00
68PLS-12M-8R	12	1/2	22	10	23.00	24.00



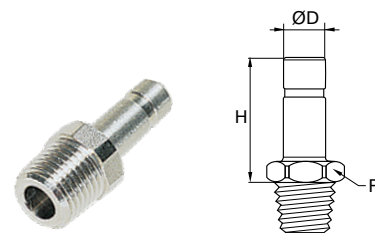
68PLS Male Connector - Metric Tube to BSPP, M5

Part No.	Tube Size (mm)	BSPP / M5	F (mm)	F1 (mm)	H (mm)	K (mm)
68PLS-4M-M5	4	M5X0.8	10	2.5	16.00	11.00
68PLS-4M-2G	4	1/8	13	3	15.00	14.00
68PLS-6M-M5	6	M5X0.8	13	2.5	20.50	14.00
68PLS-6M-2G	6	1/8	13	4	18.00	14.00
68PLS-6M-4G	6	1/4	17	4	18.00	18.50
68PLS-8M-2G	8	1/8	15	5	19.00	16.50
68PLS-8M-4G	8	1/4	17	5	20.50	18.50
68PLS-8M-6G	8	3/8	21	6	20.00	23.00
68PLS-10M-4G	10	1/4	18	7	25.00	19.50
68PLS-10M-6G	10	3/8	21	7	25.00	23.00
68PLS-12M-4G	12	1/4	21	7	27.00	23.00
68PLS-12M-6G	12	3/8	21	9	26.50	23.00



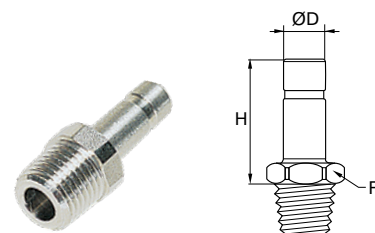
WARNING

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68PLSSP Male Standpipe - Inch Tube to NPT

Part No.	Tube Size (in)	NPT	F (in)	H (in)
68PLSSP-4-2	1/4	1/8	0.39	1.02
68PLSSP-4-4	1/4	1/4	0.55	1.06
68PLSSP-6-6	3/8	3/8	0.75	1.26
68PLSSP-8-6	1/2	3/8	0.75	1.46



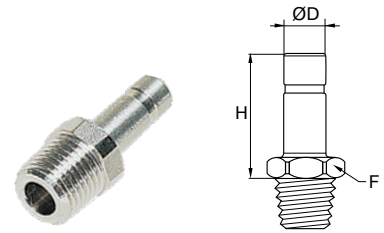
68PLSSP Male Standpipe - Metric Tube to NPT

Part No.	Tube Size (mm)	NPT	F (mm)	H (mm)
68PLSSP-4M-2	4mm (5/32)	1/8	11	21
68PLSSP-6M-2	6	1/8	11	23
68PLSSP-6M-4	6	1/4	14	24
68PLSSP-8M-4	8mm (5/16)	1/4	14	25
68PLSSP-10M-6	10	3/8	17	30



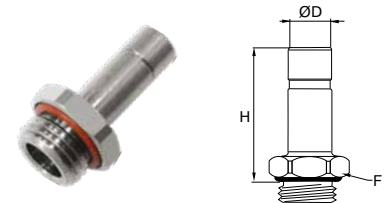
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68PLSSP Male Standpipe - Metric Tube to BSPT

Part No.	Tube Size (mm)	BSPT	F (mm)	H (mm)
68PLSSP-4M-2R	4	1/8	10	21
68PLSSP-6M-2R	6	1/8	10	23
68PLSSP-6M-4R	6	1/4	14	24
68PLSSP-8M-2R	8	1/8	10	24
68PLSSP-8M-4R	8	1/4	14	25
68PLSSP-10M-4R	10	1/4	14	30
68PLSSP-10M-6R	10	3/8	17	30
68PLSSP-12M-4R	12	1/4	14	31
68PLSSP-12M-6R	12	3/8	17	31
68PLSSP-12M-8R	12	1/2	22	32



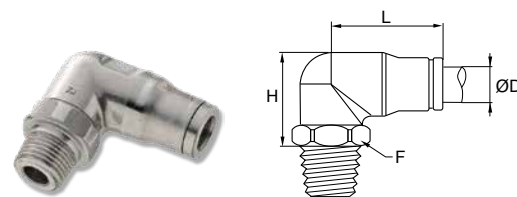
68PLSSP Male Standpipe - Metric Tube to BSPP, M5

Part No.	Tube Size (mm)	BSPP / M5	F (mm)	H (mm)
68PLSSP-4M-M5	4	M5X0.8	7	23.50
68PLSSP-4M-2G	4	1/8	13	22.00
68PLSSP-6M-2G	6	1/8	13	24.00
68PLSSP-6M-4G	6	1/4	17	24.00
68PLSSP-8M-2G	8	1/8	13	25.00
68PLSSP-8M-4G	8	1/4	17	27.00
68PLSSP-10M-4G	10	1/4	17	32.00
68PLSSP-10M-6G	10	3/8	21	27.00
68PLSSP-12M-4G	12	1/4	17	33.00



WARNING

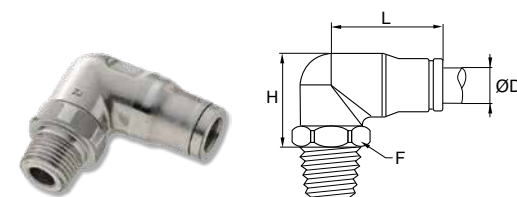
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169PLS Male Elbow - Inch Tube to NPT, UNF

Part No.	Tube Size (in)	NPT / UNF	F (mm)	H (in)	L (in)
169PLS-4M-0	5/32(4MM)	10-32	10	.98	.77
169PLS-4-2	1/4	1/8	13	.85	.91
169PLS-4-4	1/4	1/4	14	.85	.91
169PLS-6-4	3/8	1/4	17	1.12	1.20
169PLS-6-6	3/8	3/8	19	1.12	1.20
169PLS-8-6	1/2	3/8	22	1.34	1.30
169PLS-8-8	1/2	1/2	22	1.34	1.30

Body swivels for positioning purposes



169PLS Male Elbow - Metric Tube to NPT

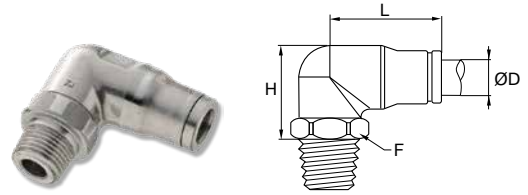
Part No.	Tube Size (mm)	NPT	F (mm)	H (mm)	L (mm)
169PLS-6M-2	6	1/8	13	20.00	22.50
169PLS-6M-4	6	1/4	14	20.00	22.50
169PLS-8M-2	8MM(5/16)	1/8	13	25.00	24.00
169PLS-8M-4	8MM(5/16)	1/4	14	24.00	24.00
169PLS-10M-4	10	1/4	17	27.50	27.50
169PLS-10M-6	10	3/8	19	28.50	26.50
169PLS-12M-4	12	1/4	22	31.50	32.50
169PLS-12M-6	12	3/8	22	32.50	32.50
169PLS-12M-8	12	1/2	22	27.50	32.50

Body swivels for positioning purposes



WARNING

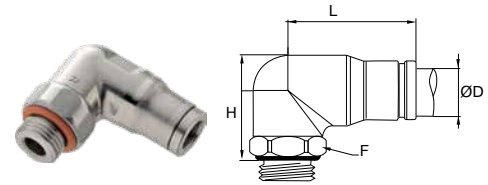
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169PLS Male Elbow - Metric Tube to BSPT

Part No.	Tube Size (mm)	BSPT	F (mm)	H (mm)	L (mm)
169PLS-4M-2R	4	1/8	13	18.00	19.00
169PLS-4M-4R	4	1/4	14	18.00	19.00
169PLS-6M-2R	6	1/8	13	20.00	24.00
169PLS-6M-4R	6	1/4	14	20.00	23.00
169PLS-8M-2R	8	1/8	13	24.50	32.00
169PLS-8M-4R	8	1/4	14	23.50	24.00
169PLS-8M-6R	8	3/8	19	23.00	25.00
169PLS-10M-4R	10	1/4	17	27.00	31.00
169PLS-10M-6R	10	3/8	19	26.00	31.00
169PLS-12M-4R	12	1/4	22	31.50	33.00
169PLS-12M-6R	12	3/8	22	32.50	33.00
169PLS-12M-8R	12	1/2	22	27.50	33.00

Body swivels for positioning purposes



169PLS Male Elbow - Metric Tube to BSPP

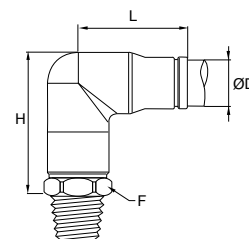
Part No.	Tube Size (mm)	BSPP	F (mm)	H (mm)	L (mm)
169PLS-4M-2G	4	1/8	10	22	19
169PLS-4M-4G	4	1/4	17	20	19
169PLS-6M-2G	6	1/8	13	24	24
169PLS-6M-4G	6	1/4	17	22	24
169PLS-8M-2G	8	1/8	13	25	25
169PLS-8M-4G	8	1/4	17	25	25
169PLS-8M-6G	8	3/8	21	23	25
169PLS-10M-4G	10	1/4	18	29	31
169PLS-10M-6G	10	3/8	21	27	31
169PLS-12M-4G	12	1/4	17	33	33
169PLS-12M-6G	12	3/8	21	33	33
169PLS-12M-8G	12	1/2	24	30	33

Body swivels for positioning purposes



WARNING

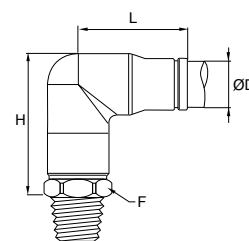
This product can expose you to chemicals including Nickel which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



169PLSX Extended Male Elbow - Metric Tube to NPT

Part No.	Tube Size (mm)	NPT	F (mm)	H (mm)	L (mm)
169PLSX-6M-2	6	1/8	13	29	22.5
169PLSX-6M-4	6	1/4	14	29	22.5
169PLSX-8M-2	8	1/8	14	34	24
169PLSX-8M-4	8	1/4	14	34	24
169PLSX-10M-4	10	1/4	19	39.5	30
169PLSX-10M-6	10	3/8	19	39.5	30

Body swivels for positioning purposes



169PLSX Extended Male Elbow - Metric Tube to BSPT

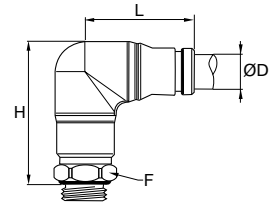
Part No.	Tube Size (mm)	BSPT	F (mm)	H (mm)	L (mm)
169PLSX-4M-2R	4	1/8	10	25	19.00
169PLSX-6M-2R	6	1/8	13	30	24.00
169PLSX-6M-4R	6	1/4	14	30	24.00
169PLSX-8M-2R	8	1/8	14	34	24.90
169PLSX-8M-4R	8	1/4	14	34	24.90
169PLSX-10M-4R	10	1/4	19	39	31.00
169PLSX-10M-6R	10	3/8	19	39	31.00

Body swivels for positioning purposes



WARNING

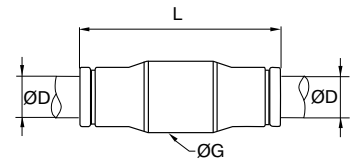
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169PLSX Extended Male Elbow - Metric Tube to BSPP, M5

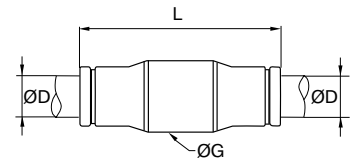
Part No.	Tube Size (mm)	BSPP / M5	F (mm)	H (mm)	L (mm)
169PLSX-4M-M5	4	M5X0.8	10	27.00	19
169PLSX-4M-2G	4	1/8	13	27.00	19
169PLSX-4M-4G	4	1/4	17	27.00	19
169PLSX-6M-M5	6	M5X0.8	13	33.00	24
169PLSX-6M-2G	6	1/8	13	33.00	24
169PLSX-6M-4G	6	1/4	17	32.00	24
169PLSX-8M-2G	8	1/8	14	35.00	25
169PLSX-8M-4G	8	1/4	17	35.00	25
169PLSX-8M-6G	8	3/8	21	34.50	25
169PLSX-10M-4G	10	1/4	18	43.00	31
169PLSX-10M-6G	10	3/8	21	42.00	31

Body swivels for positioning purposes



62PLS Union - Inch Tube

Part No.	Tube Size (in)	G (in)	H (in)
62PLS-4	1/4	.47	1.38
62PLS-6	3/8	.69	1.81
62PLS-8	1/2	.79	1.89



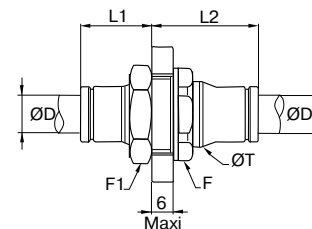
62PLS Union - Metric Tube

Part No.	Tube Size (mm)	G (mm)	H (mm)
62PLS-4M	4MM(5/32)	10.00	30.00
62PLS-6M	6	12.00	37.00
62PLS-8M	8MM(5/16)	15.00	38.00
62PLS-10M	10	17.00	49.00
62PLS-12M	12	19.50	49.50



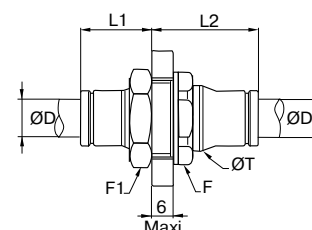
WARNING

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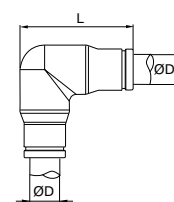
62PLSBH Bulkhead Union - Inch Tube

Part No.	Tube Size (in)	F (mm)	F1 (mm)	L1 (mm)	L2 (mm)	T (in)
62PLSBH-3	3/16	17	13	.59	.83	.49
62PLSBH-4	1/4	19	17	.67	.89	.59
62PLSBH-6	3/8	27	22	.87	1.08	.82



62PLSBH Bulkhead Union - Metric Tube

Part No.	Tube Size (mm)	F (mm)	F1 (mm)	L1 (mm)	L2 (mm)	T (mm)
62PLSBH-4M	4mm (5/32)	14	13	15	18	13
62PLSBH-6M	6	17	17	19	21	15
62PLSBH-8M	8mm (5/16)	19	19	20	22	17
62PLSBH-10M	10	22	22	24	26	21
62PLSBH-12M	12	24	24	25	26	23



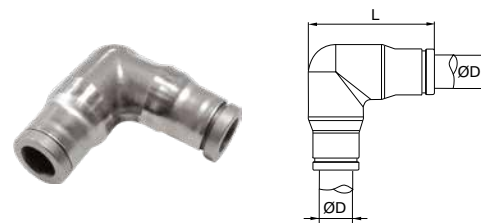
165PLS Union Elbow - Inch Tube

Part No.	Tube Size (in)	L (in)
165PLS-4	1/4	1.14
165PLS-6	3/8	1.56
165PLS-8	1/2	1.61



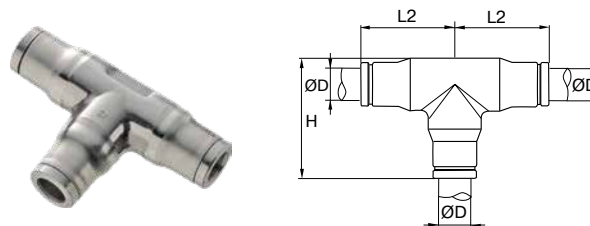
WARNING

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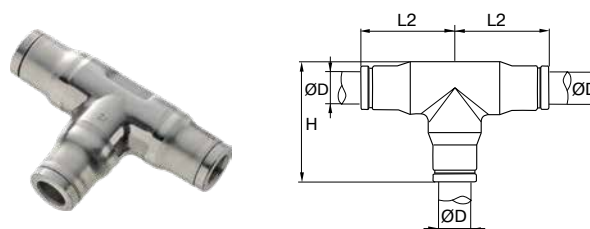
165PLS Union Elbow - Metric Tube

Part No.	Tube Size (mm)	L (mm)
165PLS-4M	4mm (5/32)	24.00
165PLS-6M	6	30.00
165PLS-8M	8mm (5/16)	32.20
165PLS-10M	10	39.00
165PLS-12M	12	43.00



164PLS Union Tee - Inch Tube

Part No.	Tube Size (in)	H (in)	L2 (in)
164PLS-4	1/4	1.06	.83
164PLS-6	3/8	1.48	1.12
164PLS-8	1/2	1.61	1.22



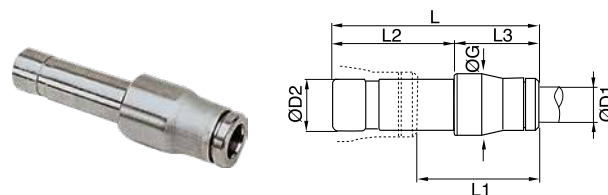
164PLS Union Tee - Metric Tube

Part No.	Tube Size (mm)	H (mm)	L2 (mm)
164PLS-4M	4MM(5/32)	24	19
164PLS-6M	6	30	24
164PLS-8M	8MM(5/16)	32	25
164PLS-10M	10	39	31
164PLS-12M	12	43	33



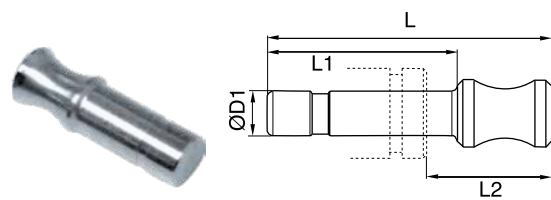
WARNING

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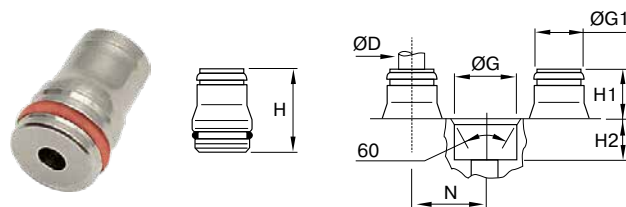
67PLS Tube Reducer - Metric

Part No.	Tube 1 Size (mm)	Tube 2 Size (mm)	G (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)
67PLS-4M-6M	4	6	10	35	19.0	19	16
67PLS-4M-8M	4	8	10	34	17.0	20	14
67PLS-6M-8M	6	8	12	42	24.0	23	19
67PLS-6M-10M	6	10	12	42	19.0	25	17
67PLS-8M-10M	8	10	15	45	22.5	25	19
67PLS-8M-12M	8	12	15	43	20.0	26	17
67PLS-10M-12M	10	12	17	51	23.0	26	25



639PLS Plug - Metric

Part No.	Tube 1 Size (mm)	L (mm)	L1 (mm)	L2 (mm)
639PLS-4M	4	25.40	17.00	11.10
639PLS-6M	6	30.40	19.50	13.50
639PLS-8M	8	33.00	20.00	14.40
639PLS-10M	10	40.00	25.00	17.00
639PLS-12M	12	43.00	26.00	18.70



PLSC Cartridge - Metric

Part No.	Tube Size (mm)	G + .1 - 0 (mm)	G1 (mm)	H (mm)	H1 (mm)	H2 (mm)	N (mm)
PLSC-4M	4	9.80	8	18.00	9.50	8.50	11.00
PLSC-6M	6	12.10	10	20.00	11.50	8.50	13.50
PLSC-8M	8	14.80	13	22.00	13.50	8.50	16.00
PLSC-10M	10	17.50	15	25.50	15.00	10.50	20.00



WARNING

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[illegible]



PNEUMATIC: INTEGRATED FITTINGS

Flow Controls, Check Valves, Slide Valves, Quick Exhaust Valve, Blocking Valves, Manually Operated Valves, Threshold Sensor Fittings, Mini Ball Valves



COMPACT FLOW CONTROL VALVES



Parker's compact flow controls ensure excellent performance of flow and are perfectly suited for reduced spaces due to their small size.

Product Features:

- Glass reinforced nylon 6.6 body
- Stainless steel gripping ring
- Nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated brass threads
- Nitrile D seal
- NPT
- BSPT
- BSPP
- Metric threads

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water And Beverage
- Petrochemical

Applications:

- Packaging
- Filling
- Dispensing
- Bottling
- Pneumatic Circuits

Specifications:

Pressure Range 15 to 145 psi (1.0 to 9.9 bar)

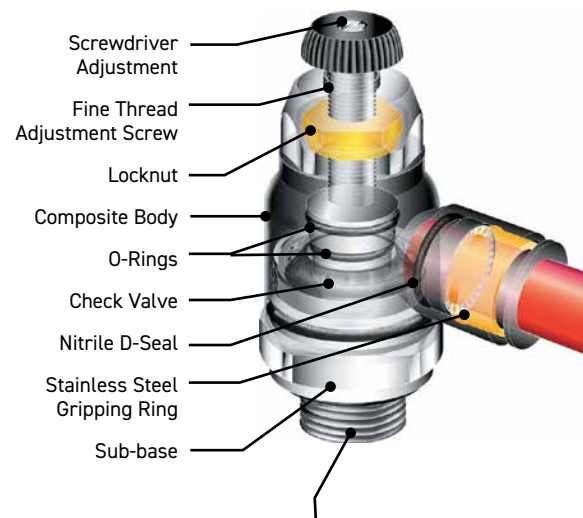
Temperature Range +32° to +158° F (0 to +70° C)

Compatible Tubing:

- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.

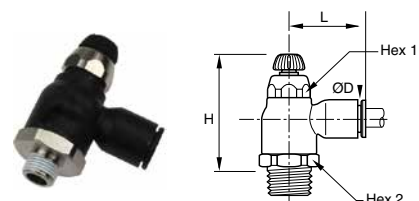


Sealing O-Ring on BSPP and pre-applied white Thread Sealant on NPT & BSPT



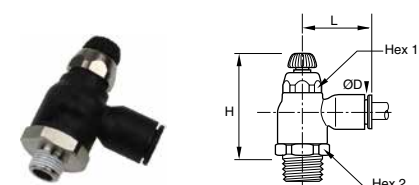
WARNING

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FCC731 Compact Meter Out

Part No.	Tube Size (in)	NPT	Hex 1	Hex 2	H Open	H Closed	L
FCC731-4M-2	5/32 (4mm)	1/8	.63	.39	1.67	1.44	.85
FCC731-4M-4	5/32 (4mm)	1/4	.63	.39	1.67	1.44	.85
FCC731-4-2	1/4	1/8	.63	.39	1.67	1.44	.85
FCC731-4-4	1/4	1/4	.63	.39	1.67	1.44	.85
FCC731-6-4	3/8	1/4	.91	.67	2.03	1.71	1.22
FCC731-6-6	3/8	3/8	.91	.67	2.03	1.71	1.22
FCC731-6-8	3/8	1/2	.67	.91	2.03	1.71	1.22
FCC731-8-8	1/2	1/2	.67	.91	2.03	1.71	1.22



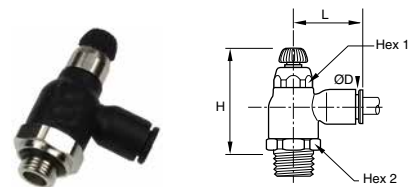
FCC731 Compact Meter Out - BSPT

Part No.	Tube Size (mm)	BSPT	Hex 1	Hex 2	H Closed	H Open	L
FCC731-6M-2R	6	1/8	16	10	36.5	42.5	22.0
FCC731-8M-2R	8	1/8	19	14	40.0	45.0	27.0
FCC731-8M-4R	8	1/4	19	14	40.0	45.0	27.0
FCC731-10M-4R	10	1/4	23	17	43.5	51.5	31.5
FCC731-10M-6R	10	3/8	23	17	43.5	51.5	31.5
FCC731-10M-8R	10	1/2	23	17	43.5	51.5	31.5
FCC731-12M-4R	12	1/4	23	17	43.5	51.5	35.0
FCC731-12M-6R	12	3/8	23	17	43.5	51.5	35.0
FCC731-12M-8R	12	1/2	23	17	43.5	51.5	35.0



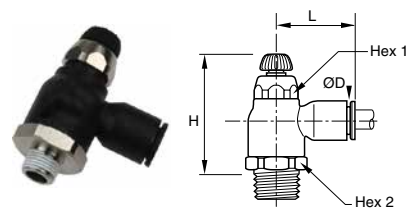
WARNING

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FCC731 Compact Meter Out - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	Hex 2	H Closed	H Open	L
FCC731-4M-2G	4	1/8	10	16	38.0	44.0	22.0
FCC731-6M-2G	6	1/8	10	16	38.0	44.0	22.0
FCC731-6M-4G	6	1/4	10	16	36.5	42.5	22.0
FCC731-8M-2G	8	1/8	14	19	41.5	48.0	28.0
FCC731-8M-4G	8	1/4	14	19	41.5	48.0	28.0
FCC731-8M-6G	8	3/8	14	19	41.5	48.0	28.0
FCC731-10M-4G	10	1/4	17	23	45.5	53.5	31.5
FCC731-10M-6G	10	3/8	17	23	45.5	54.0	31.5
FCC731-12M-6G	12	3/8	17	23	45.5	54.0	35.0
FCC731-12M-8G	12	1/2	17	24	45.5	54.0	35.0



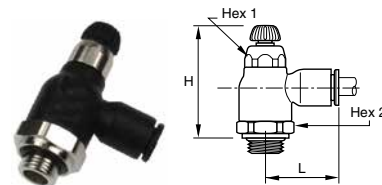
FCCI731 Compact Meter In Flow Control

Part No.	Tube Size (in)	NPT	Hex 1	Hex 2	H Open	H Closed	L
FCCI731-4M-2	5/32 (4mm)	1/8	.63	.39	1.67	1.44	.85
FCCI731-4M-4	5/32 (4mm)	1/4	.63	.39	1.67	1.44	.85
FCCI731-4-2	1/4	1/8	.63	.39	1.67	1.44	.85
FCCI731-4-4	1/4	1/4	.63	.39	1.67	1.44	.85



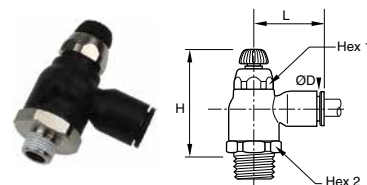
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FCCI731 Compact Meter In Flow Control - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	Hex 2	H Closed	H Open	L
FCCI731-4M-2G	4	1/8	10	16	38.0	44.0	22.0
FCCI731-6M-2G	6	1/8	10	16	38.0	44.0	22.0
FCCI731-6M-4G	6	1/4	10	16	36.5	42.5	22.0
FCCI731-8M-2G	8	1/8	14	19	41.5	48.0	28.0
FCCI731-8M-4G	8	1/4	14	19	41.5	48.0	28.0
FCCI731-8M-6G	8	3/8	14	19	41.5	48.0	28.0
FCCI731-10M-4G	10	1/4	17	23	45.5	53.5	31.5
FCCI731-10M-6G	10	3/8	17	23	45.5	54.0	31.5
FCCI731-12M-8G	12	1/2	17	24	45.5	54.0	35.0



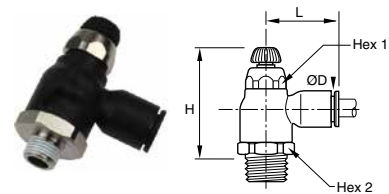
FCCB731 Compact Bi-Directional Flow Control

Part No.	Tube Size (in)	NPT	Hex 1	Hex 2	H Open	H Closed	L
FCCB731-4M-2	5/32 (4mm)	1/8	.63	.39	1.67	1.44	.85
FCCB731-4-2	1/4	1/8	.63	.39	1.67	1.44	.85
FCCB731-4-4	1/4	1/4	.63	.39	1.67	1.44	.85



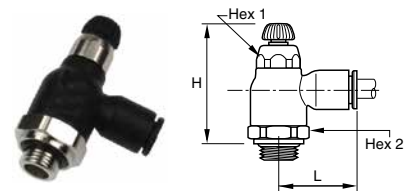
WARNING

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FCCB731 Compact Bi-Directional Flow Control - BSPT

Part No.	Tube Size (mm)	BSPT	Hex 1	Hex 2	H Closed	H Open	L
FCCB731-4M-2R	4	1/8	16	10	36.5	42.5	22.0
FCCB731-6M-2R	6	1/8	16	10	36.5	42.5	22.0
FCCB731-6M-4R	6	1/4	16	10	36.5	42.5	22.0
FCCB731-8M-2R	8	1/8	19	14	40.0	45.0	27.0
FCCB731-8M-4R	8	1/4	19	14	40.0	45.0	27.0
FCCB731-8M-6R	8	3/8	19	14	40.0	45.0	27.0



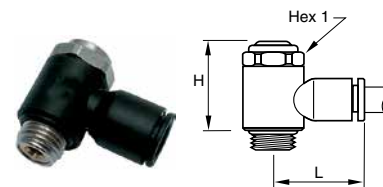
FCCB731 Compact Bi-Directional Flow Control - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	Hex 2	H Closed	H Open	L
FCCB731-4M-2G	4	1/8	10	16	38.0	44.0	22.0
FCCB731-6M-2G	6	1/8	10	16	38.0	44.0	22.0
FCCB731-6M-4G	6	1/4	10	16	36.5	42.5	22.0
FCCB731-8M-2G	8	1/8	14	19	41.5	48.0	28.0
FCCB731-8M-4G	8	1/4	14	19	41.5	48.0	28.0
FCCB731-8M-6G	8	3/8	14	19	41.5	48.0	28.0



WARNING

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FCKC731 Knobless Compact Flow Control - BSPP

Part No.	Tube Size (mm)	BSPP / M5	Hex 1	H	L
FCKC731-4M-M5	4	M5X0.8	8.0	17.5	17.0
FCKC731-4M-2G	4	1/8	13.0	25.0	19.0
FCKC731-6M-M5	6	M5X0.8	8.0	17.5	19.0
FCKC731-6M-2G	6	1/8	13.0	25.0	21.0
FCKC731-6M-4G	6	1/4	17.0	26.5	22.0
FCKC731-8M-2G	8	1/8	13.0	25.0	26.0
FCKC731-8M-4G	8	1/4	17.0	26.5	27.0
FCKC731-8M-6G	8	3/8	20.0	37.5	29.0
FCKC731-10M-4G	10	1/4	17.0	26.5	29.0
FCKC731-10M-6G	10	3/8	20.0	37.5	31.0
FCKC731-10M-8G	10	1/2	23.0	43.0	37.0
FCKC731-12M-6G	12	3/8	20.0	37.5	6.8
FCKC731-12M-8G	12	1/2	23.0	43.0	37.0



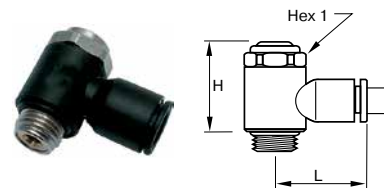
FCKCI731 Knobless Compact Meter In Flow Control-BSPP

Part No.	Tube Size (mm)	BSPP / M5	Hex 1	H	L
FCKCI731-4M-M5	4	M5X0.8	8.0	17.5	17.0
FCKCI731-4M-2G	4	1/8	13.0	25.0	19.0
FCKCI731-6M-M5	6	M5X0.8	8.0	17.5	19.0
FCKCI731-6M-2G	6	1/8	13.0	25.0	21.0
FCKCI731-6M-4G	6	1/4	17.0	26.5	22.0
FCKCI731-8M-2G	8	1/8	13.0	25.0	26.0
FCKCI731-8M-4G	8	1/4	17.0	26.5	27.0
FCKCI731-8M-6G	8	3/8	20.0	37.5	29.0
FCKCI731-10M-4G	10	1/4	17.0	26.5	29.0
FCKCI731-10M-6G	10	3/8	20.0	37.5	31.0



WARNING

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FCKCB731 Knobless Bi-directional Flow Control - BSPP

Part No.	Tube Size (mm)	BSPP / M5	Hex 1	H	L
FCKCB731-4M-M5	4	M5X0.8	8	17.5	17.0
FCKCB731-4M-2G	4	1/8	13	25.0	19.0
FCKCB731-6M-M5	6	M5X0.8	8	17.5	19.0
FCKCB731-6M-2G	6	1/8	13	25.0	21.0
FCKCB731-6M-4G	6	1/4	17	26.5	22.0
FCKCB731-8M-2G	8	1/8	13	25.0	26.0
FCKCB731-8M-4G	8	1/4	17	26.5	27.0
FCKCB731-8M-6G	8	3/8	20	37.5	29.0



WARNING

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MINIATURE FLOW CONTROLS



Parker's miniature flow controls ensure excellent performance of flow and are perfectly suited for reduced spaces due to their small size.

Product Features:

- Glass reinforced nylon 6.6 body
- Stainless steel gripping ring
- Nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated brass threads
- Nitrile D seal
- NPT, BSPT, BSPP, Metric threads

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water And Beverage
- Petrochemical

Applications:

- Packaging
- Filling
- Dispensing
- Bottling
- Pneumatic Circuits

Specifications:

Pressure Range 15 to 145 psi (1.0 to 9.9 bar)

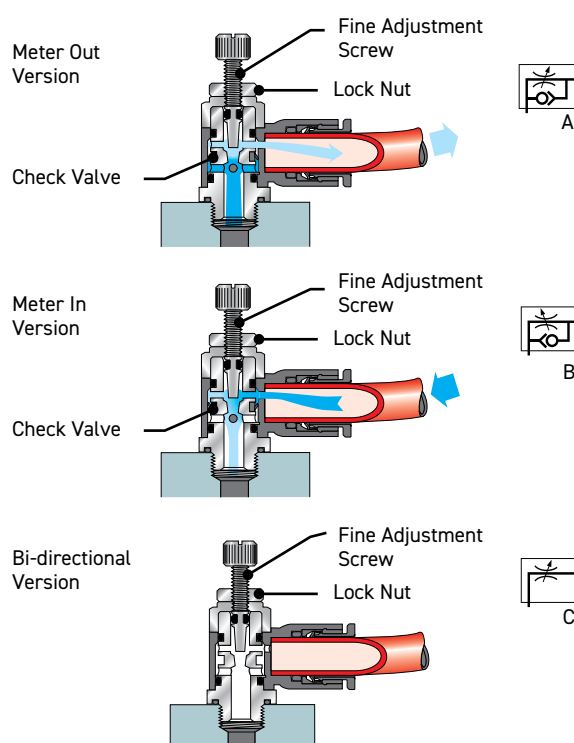
Temperature Range +32° to +158° F (0 to +70° C)

Compatible Tubing:

- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

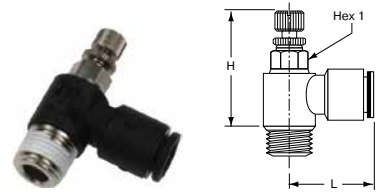
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.



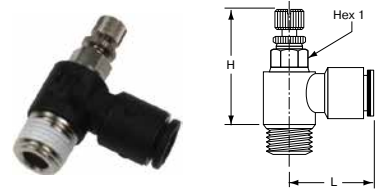
WARNING

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FCM731 Miniature Meter Out Flow Control – NPT /UNF

Part No.	Tube Size (in)	Thd NPT / UNF	Hex 1 (mm)	H Open	H Closed	L
FCM731-2-0	1/8	10-32	6	1.14	.91	.67
FCM731-2-2	1/8	1/8	7	1.41	1.26	.69
FCM731-4M-0	5/32	10-32	6	1.02	.93	.67
FCM731-4M-2	5/32	1/8	7	1.16	1.06	.71
FCM731-4-0	1/4	10-32	6	1.02	.93	.73
FCM731-4-2	1/4	1/8	7	1.16	1.06	.75
FCM731-4-4	1/4	1/4	8	1.28	1.18	.77



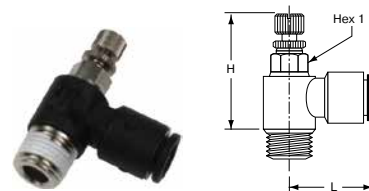
FCMI731 Miniature Meter In Flow Control – NPT /UNF

Part No.	Tube Size (in)	Thread NPT / UNF	Hex 1 (mm)	H Open	H Closed	L
FCMI731-2-0	1/8	10-32	6	1.14	.91	.67
FCMI731-4M-0	5/32	10-32	6	1.02	.93	.67
FCMI731-4M-2	5/32	1/8	7	1.16	1.06	.71
FCMI731-4-0	1/4	10-32	6	1.02	.93	.73
FCMI731-4-2	1/4	1/8	7	1.16	1.06	.75
FCMI731-4-4	1/4	1/4	8	1.28	1.18	.77



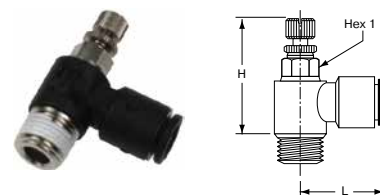
WARNING

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FCM731 Miniature Meter Out Flow Control - BSPT

Part No.	Tube Size (mm)	BSPT	Hex 1	H Closed	H Open	L
FCM731-4M-2R	4	1/8	7	25.0	27.5	18.0
FCM731-6M-2R	6	1/8	7	25.0	27.5	18.5
FCM731-6M-4R	6	1/4	8	27.5	30.0	19.0
FCM731-6M-6R	6	3/8	17	31.5	34.0	19.0
FCM731-8M-2R	8	1/8	13	28.5	33.0	26.0
FCM731-8M-4R	8	1/4	16	31.0	35.0	27.5
FCM731-8M-6R	8	3/8	20	36.0	42.0	29.0



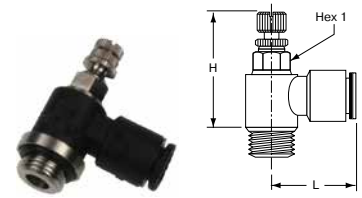
FCMI731 Miniature Meter In Flow Control - BSPT

Part No.	Tube Size (mm)	BSPT	Hex 1	H Closed	H Open	L
FCMI731-4M-2R	4	1/8	7	25.0	27.5	18.0
FCMI731-6M-2R	6	1/8	7	25.0	27.5	18.5
FCMI731-6M-4R	6	1/4	8	27.5	30.0	19.0
FCMI731-8M-2R	8	1/8	13	28.5	33.0	26.0
FCMI731-8M-4R	8	1/4	16	31.0	35.0	27.5



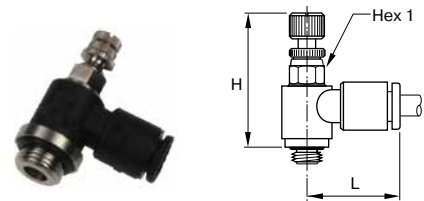
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FCM731 Miniature Meter Out Flow Control - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	H Closed	H Open	L
FCM731-3M-M3	3	M3X0.5	6	23.5	26.0	17.0
FCM731-3M-M5	3	M5X0.8	6	23.5	26.0	17.0
FCM731-4M-M3	4	M3X0.5	6	23.5	26.0	16.5
FCM731-4M-M5	4	M5X0.8	6	23.5	26.0	17.0
FCM731-4M-2G	4	1/8	7	27.0	29.5	18.0
FCM731-6M-M5	6	M5X0.8	6	23.5	26.0	18.0
FCM731-6M-2G	6	1/8	7	27.0	29.5	18.5
FCM731-6M-4G	6	1/4	8	30.0	32.5	19.0
FCM731-8M-2G	8	1/8	13	26.5	31.0	26.0
FCM731-8M-4G	8	1/4	16	29.0	34.0	27.5
FCM731-8M-6G	8	3/8	20	36.0	42.0	29.0



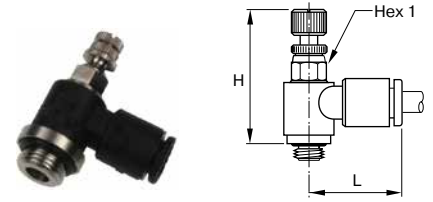
FCMI731 Miniature Meter In Flow Control - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	H Closed	H Open	L
FCMI731-3M-M3	3	M3X0.5	6	23.5	26.0	17.0
FCMI731-3M-M5	3	M5X0.8	6	23.5	26.0	17.0
FCMI731-4M-M5	4	M5X0.8	6	23.5	26.0	17.0
FCMI731-4M-2G	4	1/8	7	27.0	29.5	18.0
FCMI731-6M-M5	6	M5X0.8	6	23.5	26.0	18.0
FCMI731-6M-2G	6	1/8	7	27.0	29.5	18.5
FCMI731-6M-4G	6	1/4	8	30.0	32.5	19.0
FCMI731-8M-2G	8	1/8	13	26.5	31.0	26.0
FCMI731-8M-4G	8	1/4	16	29.0	34.0	27.5
FCMI731-8M-6G	8	3/8	20	36.0	42.0	29.0



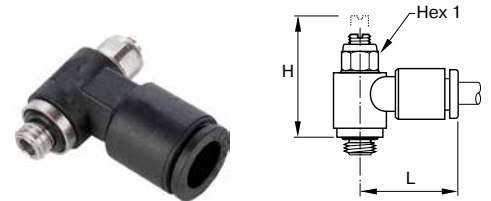
WARNING

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FCMB731 Miniature Bi-directional Flow Control - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	H Closed	H Open	L
FCMB731-4M-M5	4	M5X0.8	6	23.5	26.0	16.5
FCMB731-4M-2G	4	1/8	7	27.0	29.5	17.0
FCMB731-6M-M5	6	M5X0.8	6	23.5	26.0	18.0
FCMB731-6M-2G	6	1/8	7	27.0	29.5	18.0
FCMB731-6M-4G	6	1/4	8	30.0	32.5	18.5



FCMK731 Knobless Mini Meter Out Flow Control

Part No.	Tube Size (in)	NPT	Hex 1 (mm)	H Open	H Closed	L
FCMK731-2-0	1/8	10-32	6	.79	.65	.65
FCMK731-2-2	1/8	1/8	6	.85	.71	.71
FCMK731-4-0	5/32	10-32	6	.79	.65	.65
FCMK731-4-2	5/32	1/8	6	.85	.71	.71
FCMK731-4-0	1/4	10-32	6	.79	.65	.65
FCMK731-4-2	1/4	1/8	6	.85	.71	.73
FCMK731-4-4	1/4	1/4	6	.97	.83	.73



WARNING

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SWIVEL OUTLET FLOW CONTROLS



Parker's swivel outlet flow controls are designed to allow a vertical or angled tube exit where access is restricted.

Product Features:

- Glass reinforced nylon 6.6 body
- Stainless steel gripping ring
- Nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated brass threads
- Nitrile D seal
- NPT, BSPT, BSPP, Metric threads

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water And Beverage
- Petrochemical

Applications:

- Packaging
- Filling
- Dispensing
- Bottling
- Pneumatic Circuits

Specifications:

Pressure Range 15 to 145 psi (1.0 to 9.9 bar)

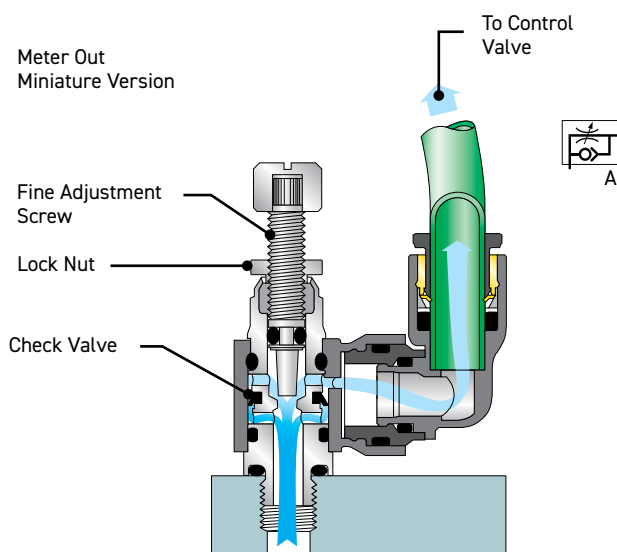
Temperature Range +32° to +158° F (0 to +70° C)

Compatible Tubing:

- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

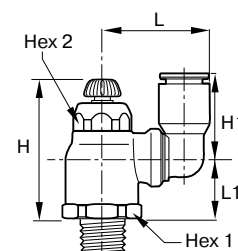
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.



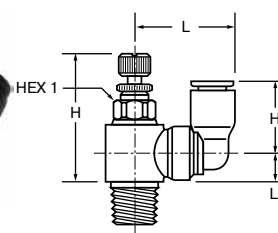
WARNING

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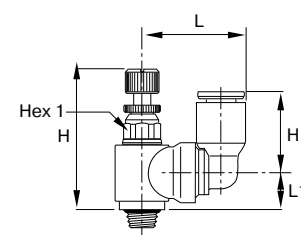
FCCS731 Compact Swivel Outlet Meter Out Flow Control

Part No.	Tube Size (in)	NPT	Hex 1 (mm)	Hex 2 (mm)	H Closed	H Open	H1	L	L1
FCCS731-4-2	1/4	1/8	19	10	1.87	2.09	.63	.93	.65
FCCS731-4-4	1/4	1/4	19	14	1.79	1.99	.73	1.00	.89
FCCS731-6-4	3/8	1/4	23	17	1.93	2.20	1.04	1.34	.97
FCCS731-6-6	3/8	3/8	23	17	1.93	2.20	1.04	1.34	.97



FCMS731 Mini Swivel Outlet Meter Out Flow Control

Part No.	Tube Size (in)	NPT	Hex 1 (mm)	H Closed	H Open	H1	L	L1
FCMS731-4M-0	5/32 (4MM)	10-32	6	.96	1.08	.55	0.73	0.26
FCMS731-4M-2	5/32 (4MM)	1/8	8	1.08	1.20	.55	0.73	0.33



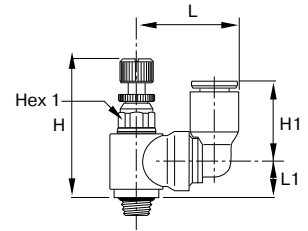
FCMS731 Miniature Swivel Outlet Meter Out - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	H Closed	H Open	H1	L	L1
FCMS731-4M-M5	4	M5X0.8	6	24.5	27.5	14.5	19.5	6.5
FCMS731-4M-2G	4	1/8	7	27.5	31.0	14.5	20.0	8.5
FCMS731-6M-M5	6	M5X0.8	6	24.5	27.5	16.0	21.5	6.5
FCMS731-6M-2G	6	1/8	7	27.5	31.0	16.0	22.0	8.5



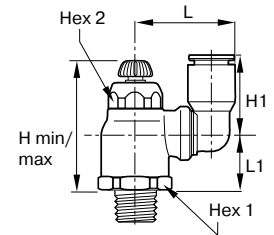
WARNING

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FCMSI731 Miniature Swivel Outlet Meter In - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	H Closed	H Open	H1	L	L1
FCMSI731-4M-M5	4	M5X0.8	6	24.5	27.5	14.5	19.5	6.5
FCMSI731-6M-M5	6	M5X0.8	6	24.5	27.5	16.0	21.5	6.5
FCMSI731-6M-2G	6	1/8	7	27.5	31.0	16.0	22.0	8.5



FCCS731 Compact Swivel Outlet - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	Hex 2	H Closed	H Open	H1	L	L1
FCCS731-6M-2G	6	1/8	16	10	38.0	44.0	16.0	23.5	18.0
FCCS731-6M-4G	6	1/4	16	10	36.5	42.5	16.0	23.5	16.5
FCCS731-8M-2G	8	1/8	19	14	41.5	48.0	23.0	28.0	19.0
FCCS731-8M-4G	8	1/4	19	14	41.5	48.0	23.0	28.0	19.5
FCCS731-8M-6G	8	3/8	19	14	41.5	48.0	23.0	28.0	17.5
FCCS731-10M-4G	10	1/4	23	17	45.5	53.5	26.5	35.0	21.0
FCCS731-10M-6G	10	3/8	23	17	45.5	54.0	26.5	35.0	21.5
FCCS731-12M-6G	12	3/8	23	17	45.5	54.0	31.0	38.0	21.5
FCCS731-12M-8G	12	1/2	23	17	45.5	54.0	31.0	38.0	21.0



WARNING

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PLUG-IN FLOW CONTROLS



Parker's Plug-in flow controls can be directly mounted into existing fittings and allow very compact installations. They are particularly suited for mounting in manifolds using cartridges.

Product Features:

- Glass reinforced nylon 6.6 body
- Stainless steel gripping ring
- Nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated tailpiece
- Nitrile D seal

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water And Beverage
- Petrochemical

Applications:

- Packaging
- Filling
- Dispensing
- Bottling
- Pneumatic Circuits

Specifications:

Pressure Range 15 to 145 psi (1.0 to 9.9 bar)

Temperature Range +32° to +158° F (0 to +70° C)

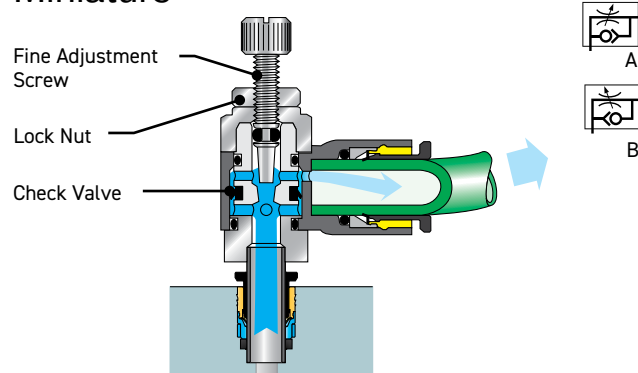
Compatible Tubing:

- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

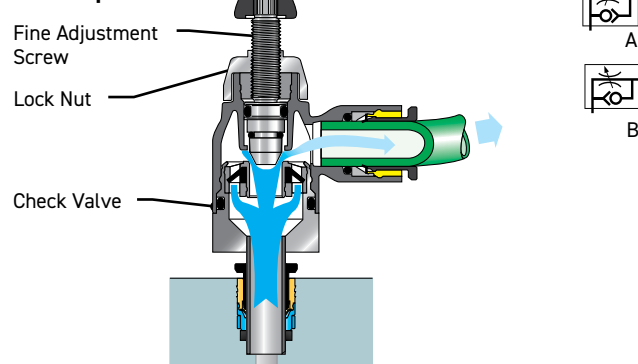
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.

Miniature

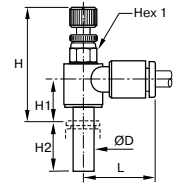


Compact



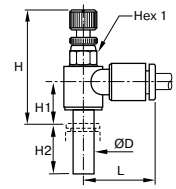
WARNING

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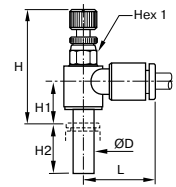
FCMSP731 Plug-In Mini Meter Out Flow Control

Part No.	Tube Size (in)	Hex 1 (mm)	H Open	H Closed	H1	H2	L
FCMSP731-2	1/8	6	1.04	.94	.12	.59	0.67
FCMSP731-4	1/4	7	1.18	1.08	.12	.73	0.73



FCMSPI731 Plug-In Mini Meter In Flow Control

Part No.	Tube Size (in)	Hex 1 (mm)	H Open	H Closed	H1	H2	L
FCMSPI731-2	1/8	6	1.04	.94	.12	0.59	0.67
FCMSPI731-4	1/4	7	1.18	1.08	.12	0.73	0.73



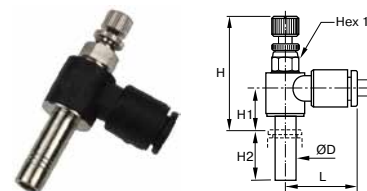
FCMSP731 - Plug-In Miniature Meter Out Flow Control

Part No.	Tube Size (mm)	Hex 1	H Closed	H Open	H1	H2	L
FCMSP731-4M (5/32)	4	6	25.5	28.0	9.5	15.5	17.0
FCMSP731-6M	6	7	27.5	29.0	10.5	17.0	18.5



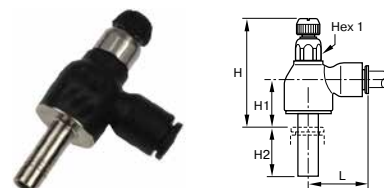
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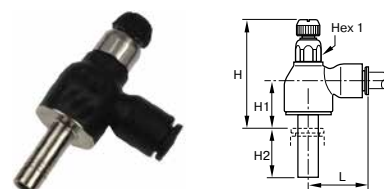
FCMSPi731 Plug-In Mini Meter In Flow Control

Part No.	Tube Size (mm)	Hex 1	H Closed	H Open	H1	H2	L
FCMSPi731-4M (5/32)	4	6	25.5	28.0	9.5	15.5	17.0
FCMSPi731-6M	6	7	27.5	29.0	10.5	17.0	18.5



FCCSP731 Plug-In Compact Meter Out Flow Control

Part No.	Tube Size (mm)	Hex 1	H Closed	H Open	H1	H2	L
FCCSP731-6M	6	10	35.0	41.0	14.0	17.0	22.0
FCCSP731-8M	8	14	39.5	46.5	16.0	21.5	28.0
FCCSP731-12M	12	17	43.0	51.0	17.0	27.0	31.5



FCCSPi731 Plug-In Compact Meter-In Flow Control

Part No.	Tube Size (mm)	Hex 1	H Closed	H Open	H1	H2	L
FCCSPi731-6M	6	10	35.0	41.0	14.0	17.0	22.0
FCCSPi731-8M	8	14	39.5	46.5	16.0	21.5	28.0
FCCSPi731-12M	12	17	43.0	51.0	17.0	27.0	31.5



WARNING

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IN-LINE FLOW CONTROLS



Parker's In-Line flow controls are unidirectional. An arrow on the body indicates the direction of controlled flow. They can be used individually or stacked together using joining clips.

Product Features:

- Glass reinforced nylon 6.6 body
- Stainless steel gripping ring
- Nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated threads
- Nitrile D seal
- Panel mountable

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water And Beverage
- Petrochemical

Applications:

- Packaging
- Filling
- Dispensing
- Bottling
- Pneumatic Circuits

Specifications:

Pressure Range 15 to 145 psi (1.0 to 9.9 bar)

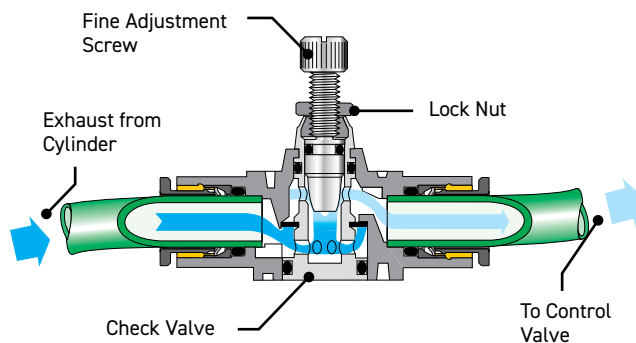
Temperature Range +32° to +158° F (0 to +70° C)

Compatible Tubing:

- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

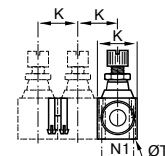
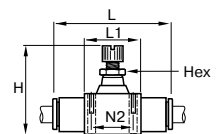
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.



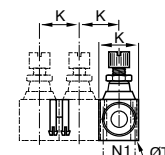
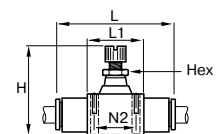
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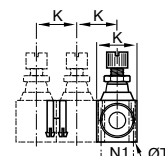
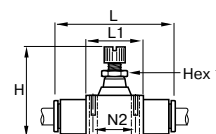
FC832 In-Line Flow Control

Part No.	Tube Size (in)	Hex 1 (mm)	H Closed	H Open	K	L	L1	N1	N2	T
FC832-4	1/4	8	1.54	1.74	.66	2.00	.90	.43	.66	.12
FC832-6	3/8	14	2.03	2.38	.94	2.87	1.29	.62	1.01	1.60
FC832-8	1/2	14	2.24	2.63	1.09	3.35	1.37	.78	1.07	.16



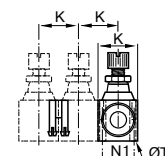
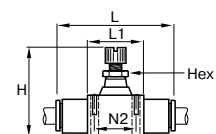
FCB832 In-Line Bi-directional Flow Control

Part No.	Tube Size (in)	Hex 1 (mm)	H Closed	H Open	K	L	L1	N1	N2	T
FCB832-4	1/4	8	1.54	1.74	.66	2.00	.90	.43	.66	.12



FC832 In-Line Flow Control

Part No.	Tube Size (mm)	Hex 1	H Closed	H Open	K	L	L1	N1	N2	T
FC832-4M	4	5	29.5	33.5	12	15	12	8	11	2.2
FC832-6M	6	8	40.5	44.5	17.0	51.0	23.0	11.0	17.0	3.2
FC832-8M (5/16)	8	11	44.0	50.0	18.5	60.5	26.0	12.5	20.0	3.2
FC832-10M	10	14	52.0	61.0	24.0	76.0	33.0	16.0	26.0	4.2
FC832-12M	12	14	57.5	67.5	28.0	86.0	35.0	20.0	27.5	4.2



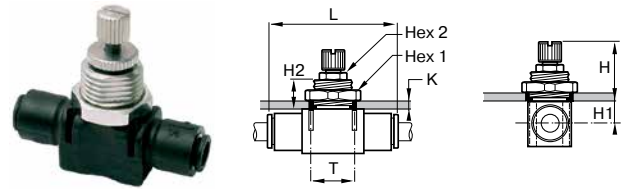
FCB832 In-Line Bi-directional Flow Control

Part No.	Tube Size (mm)	Hex 1	H Closed	H Open	K	L	L1	N1	N2	T
FCB832-4M (5/32)	4	5	29.5	33.5	12.0	36.0	15.0	8.0	11.0	2.2
FCB832-6M	6	8	40.0	44.5	17.0	51.0	23.0	11.0	17.0	3.2
FCB832-8M (5/16)	8	11	44.0	50.0	18.5	60.5	26.0	12.5	20.0	3.2



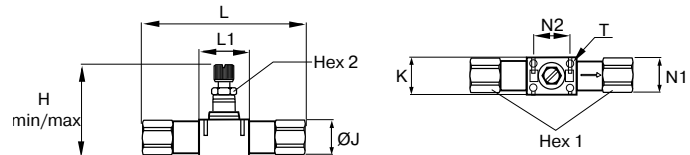
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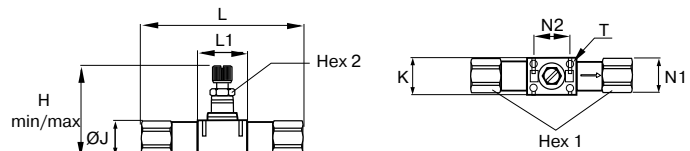
FCPM832 In-Line Panel Mountable Flow Control

Part No.	Tube Size (mm)	Hex 1	Hex 2	H Closed	H Open	K	L	H1	H2	T
FCPM832-4M	4	14		21.5	25.5	6.0	36.0	6.5	11.0	10.5
FCPM832-6M	6	19		27.5	32.5	7.0	51.0	7.5	13.5	16.5
FCPM832-8M	8	24	11	28.5	34.5	7.0	60.5	9.0	13.5	18.5
FCPM832-10M	10	30	14	29.5	38.5	7.0	76.0	11.5	13.5	24.5
FCPM832-12M	12	32	14	32.0	42.0	8.0	86.0	12.5	15.5	27.5



FC836 Threaded In-Line Flow Control

Part No.	NPT	Hex 1 (mm)	Hex 2 (mm)	H Closed	H Open	K	L	L1	N1	N2	T
FC836-2	1/8	13	8.00	1.56	1.75	.67	2.70	.91	.43	.67	.12
FC836-4	1/4	16	11.00	1.73	1.97	.73	3.27	1.02	.49	.79	.12
FC836-6	3/8	22	14.00	2.05	2.40	.94	3.82	1.30	.63	1.02	.16
FC836-8	1/2	24	14.00	2.26	2.66	1.10	4.76	1.38	.79	1.08	.16



FC836 Threaded In-Line Flow Control - BSPP

Part No.	BSPP	Hex 1	Hex 2	H Closed	H Open	K	L	N1	N2	T
FC836-2G	1/8	13	8	39.5	44.5	17.0	68.5	11.0	17.0	3.2
FC836-4G	1/4	16	11	44.0	50.0	18.5	83.0	12.5	20.0	3.2
FC836-6G	3/8	19	14	52.0	61.0	24.0	97.0	16.0	26.0	4.2
FC836-8G	1/2	24	14	57.5	67.5	28.0	121.0	20.0	27.5	4.2



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METAL FLOW CONTROL VALVES



Parker's Metal flow controls are suited for use in severe conditions (temperatures, sparks, abrasion, etc.). Adjustment can be made with a screwdriver and locking by use of a wrench.

Product Features:

- Treated brass body
- Stainless steel gripping ring
- Electroless-nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated threads
- Nitrile D seal

Markets:

- Factory/Process Automation
- Petrochemical
- Automotive Process

Applications:

- Robotics
- Packaging
- Textile

Specifications:

Pressure Range 15 to 145 psi (1.0 to 9.9 bar)

Temperature Range -4° to +158° F (-20° to +70° C)

Note: Temperature rating is based upon filtered, dry compressed air.

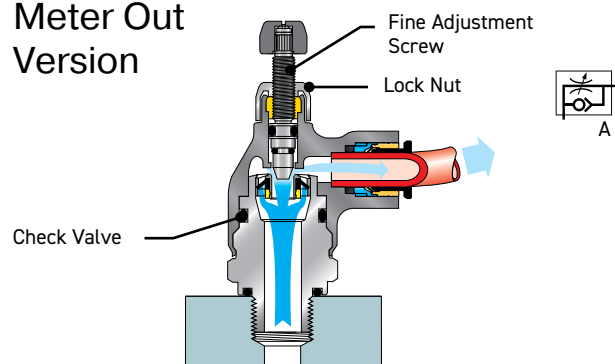
Compatible Tubing:

- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

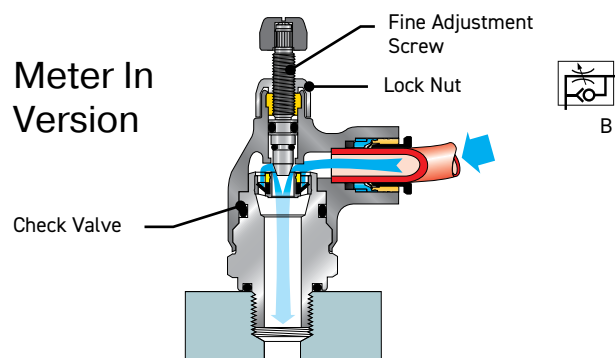
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.

Meter Out Version

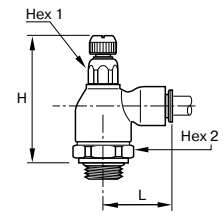


Meter In Version



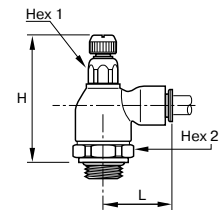
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FC701 Push-to-Connect Meter Out Metal Flow Control - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	Hex 2	H Closed	H Open	L
FC701-4M-2G	4	1/8	10	19	47.0	53.0	21.0
FC701-6M-2G	6	1/8	10	19	47.0	53.0	24.5
FC701-6M-4G	6	1/4	10	19	47.5	53.0	24.5
FC701-8M-2G	8	1/8	14	19	50.0	55.0	29.0
FC701-8M-4G	8	1/4	14	19	50.0	56.0	29.0
FC701-8M-6G	8	3/8	17	25	56.0	62.0	30.5
FC701-10M-4G	10	1/4	14	19	50.0	56.0	35.0
FC701-10M-6G	10	3/8	17	25	56.0	62.0	35.0
FC701-12M-6G	12	3/8	17	25	56.0	62.0	38.0
FC701-12M-8G	12	1/2	17	25	55.0	62.0	38.0
FC701-14M-8G	14	1/2	17	25	55.0	62.0	41.0



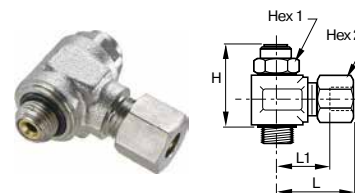
FCI701 Push-to-Connect Meter In Metal Flow Control - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	Hex 2	H Closed	H Open	L
FCI701-4M-2G	4	1/8	10	19	47.0	53.0	21.0
FCI701 -6M-2G	6	1/8	10	19	47.0	53.0	24.5
FCI701 -6M-4G	6	1/4	10	19	47.5	53.0	24.5
FCI701 -8M-2G	8	1/8	14	19	50.0	55.0	29.0
FCI701 -8M-4G	8	1/4	14	19	50.0	56.0	29.0
FCI701 -8M-6G	8	3/8	17	25	56.0	62.0	30.5



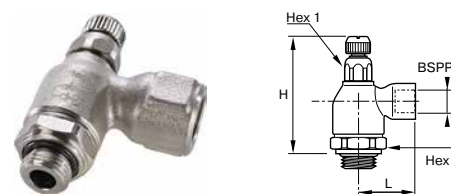
WARNING

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FCK701C Knobless Compression Metal Flow Control - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	Hex 2	H	L	L1
FCK701C-4M-2G	4	1/8	13	10	26.0	25.5	14.5
FCK701C-6M-2G	6	1/8	13	13	26.0	25.5	14.5
FCK701C-6M-4G	6	1/4	17	13	31.5	28.5	17.5
FCK701C-8M-2G	8	1/8	13	14	26.0	29.5	15.5
FCK701C-8M-4G	8	1/4	17	14	31.5	31.0	17.0
FCK701C-10M-4G	10	1/4	17	19	31.5	35.0	19.0
FCK701C-10M-6G	10	3/8	20	19	44.5	37.5	19.0
FCK701C-10M-8G	10	1/2	23	19	50.0	37.5	19.0
FCK701C-12M-8G	12	1/2	23	22	50.0	38.0	21.5



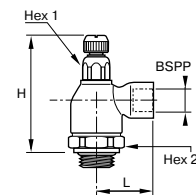
FC702 Threaded Port Meter Out Metal Flow Control - BSPP

Part No.	BSPP	Hex 1	Hex 2	H Closed	H Open	L
FC702-2G	1/8	10	19	47.0	52.5	22.5
FC702-4G	1/4	14	19	50.5	55.5	32.0
FC702-6G	3/8	17	25	56.0	62.0	34.5
FC702-8G	1/2	17	25	55.0	62.0	37.5



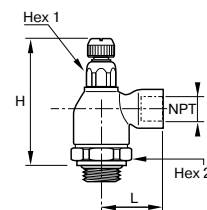
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FCI702 Threaded Port Meter In Metal Flow Control - BSPP

Part No.	BSPP	Hex 1	Hex 2	H Closed	H Open	L
FCI702-2G	1/8	10	19	47.0	52.5	22.5
FCI702-4G	1/4	14	19	50.5	55.5	32.0



FC708 Threaded Port Meter Out Flow Control

Part No.	NPT	Hex 1 (mm)	Hex 2 (mm)	H Closed	H Open	L
FC708-4	1/4	19	14	1.91	2.11	1.28
FC708-6	3/8	25	17	2.15	2.40	1.36



WARNING

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BRASS FLOW CONTROLS

Specifications:

Working Pressure 15 to 150 psi (1.0 to 10.34 bar)

Working Temperature 0° to +200° F (-17.8° to +93.3° C)

Note: Temperature rating is based upon filtered, dry compressed air.

Product Features:

- Controls the speed of a pneumatic actuator
- All brass Construction
- Allen wrench adjusting screw
- NPT and BSPP threads
- Threaded and Push-to-Connect bodies
- UL94 V-0 Flame Resistance Standard
- Silicone Free

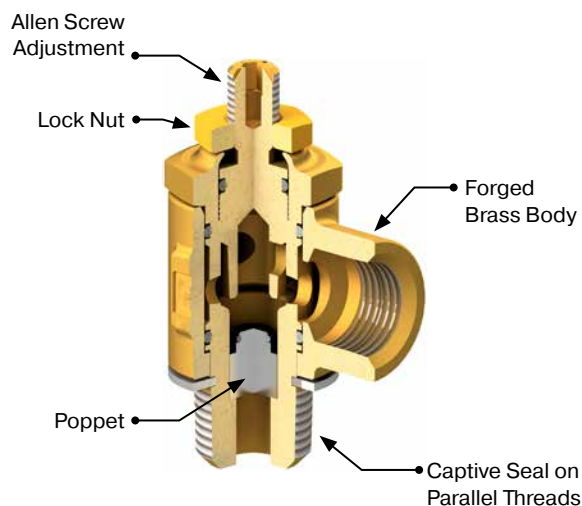
Applications:

Robotic Welding, End-of-Arm Tooling, Factory Automation, Automotive Assembly, Packaging, etc.

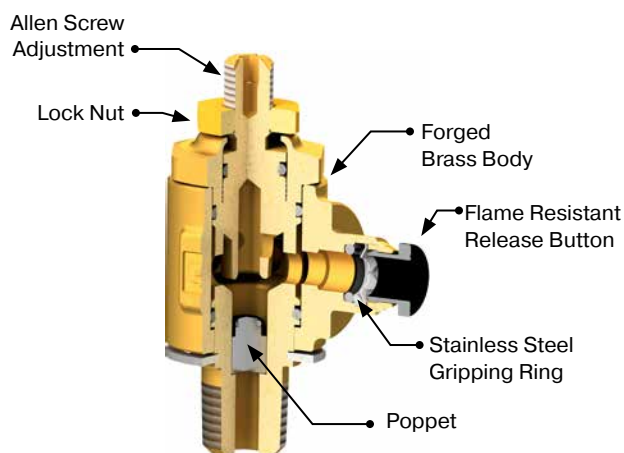
Compatible Tubing:

Polyethylene, 95FR, Polyurethane 95 Durometer Shore A, Semi-rigid Nylon, FEP Fluoropolymer

Threaded Port

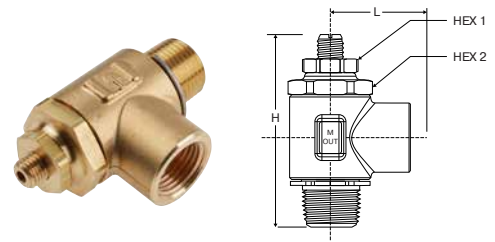


Push-to-Connect



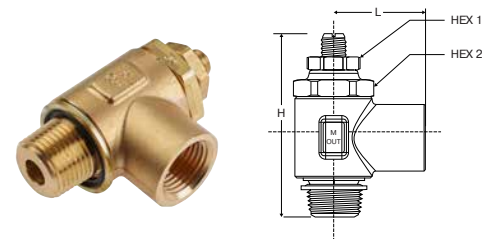
WARNING

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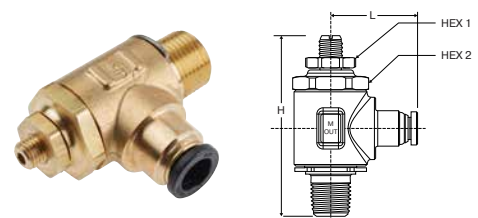
FC703 Threaded Port Meter Out Metal Flow Control – NPT

Part No.	NPT	Hex 1	Hex 2	H Open	H Closed	L
FC703-2	1/8	7/16	5/8	1.84	1.70	.67
FC703-4	1/4	5/8	15/16	2.52	2.34	1.00
FC703-6	3/8	5/8	15/16	2.44	2.29	1.00
FC703-8	1/2	13/16	1 1/8	2.72	2.60	1.31



FC703 Threaded Port Meter Out Metal Flow Control – BSPP

Part No.	BSPP	Hex 1	Hex 2	H Open	H Closed	L
FC703-2G	1/8	7/16	5/8	1.84	1.70	.78
FC703-4G	1/4	5/8	15/16	2.52	2.34	1.05
FC703-6G	3/8	5/8	15/16	2.44	2.29	1.20
FC703-8G	1/2	13/16	1 1/8	2.72	2.60	1.55



FC703 Push-To-Connect Meter Out Metal Flow Control – NPT

Part No.	Tube Size (in)	NPT	Hex 1	Hex 2	H Open	H Closed	L
FC703-4-2	1/4	1/8	7/16	5/8	1.84	1.70	1.21
FC703-4-4	1/4	1/4	5/8	15/16	2.52	2.34	1.21
FC703-6-4	3/8	1/4	5/8	15/16	2.52	2.34	1.29
FC703-6-6	3/8	3/8	5/8	15/16	2.44	2.29	1.29



WARNING

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IN-LINE CHECK VALVES



Parker's In-Line Check Valves allows air to pass in one direction while blocking flow in the other direction. The body of the fitting contains an arrow to indicate the direction of flow.

Product Features:

- Nylon/Nickel-plated brass body
- VC – Acetal body
- Stainless steel gripping ring
- Nickel-plated brass threads
- Nitrile O-ring
- EPDM O-ring (VC)

Markets:

- Factory/Process Automation
- Packaging
- Petrochemical
- Pneumatics
- Semi-Conductor

Applications:

- Robotics
- Packaging
- Textile
- Machine Tools
- Pneumatic Systems
- Vacuum

Specifications:

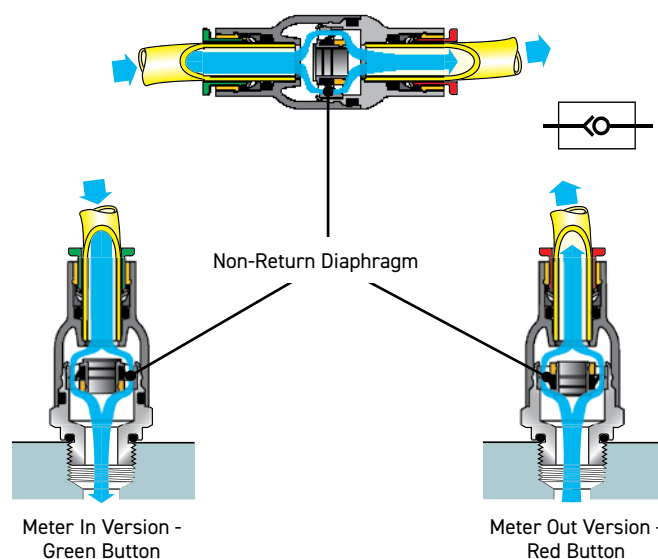
Pressure Range	15 to 145 psi (1.0 to 9.9 bar)
Temperature Range	+34° to +150° F (+1.1° to 65.5° C)
Cracking Pressure	PLCK – 7 PSI (0.4 bar), VC – 1/3 PSI (0.02 bar)

Compatible Tubing:

- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

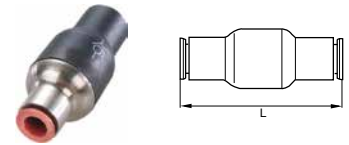
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.



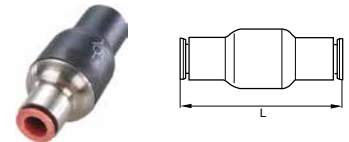
WARNING

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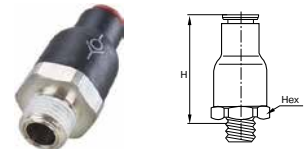
32PLCK In-Line Check Valve

Part No.	Tube Size (in)	L
32PLCK-4	1/4	1.61
32PLCK-6	3/8	2.50



32PLCK In-Line Check Valve

Part No.	Tube Size (mm)	L
32PLCK-4M (5/32)	4	38.5
32PLCK-6M	6	41.0
32PLCK-8M (5/16)	8	51.5
32PLCK-10M	10	63.5
32PLCK-12M	12	66.5



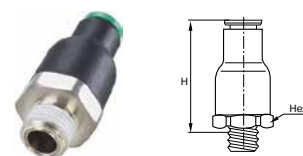
W68PLCK Male Check Valve

Part No.	Tube Size (in)	NPT/UNF	Hex (mm)	H
W68PLCK-4M-2	5/32	1/8	16	1.12
W68PLCK-4-2	1/4	1/8	19	1.42
W68PLCK-4-4	1/4	1/4	19	1.42
W68PLCK-6-4	3/8	1/4	23	1.65
W68PLCK-6-6	3/8	3/8	23	1.65



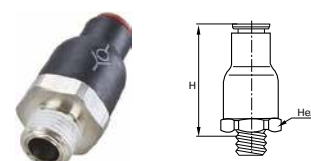
WARNING

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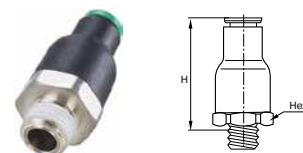
W68PLCKI Male Check Valve Meter In

Part No.	Tube Size (in)	NPT/UNF	Hex (mm)	H
68PLCKI-4M-0	5/32	10-32	9	1.26
W68PLCKI-4M-2	5/32	1/8	16	1.12
W68PLCKI-4-2	1/4	1/8	19	1.42
W68PLCKI-4-4	1/4	1/4	19	1.42
W68PLCKI-6-4	3/8	1/4	23	1.65
W68PLCKI-6-6	3/8	3/8	23	1.65



W68PLCK Male Check Valve Meter Out - BSPT

Part No.	Tube Size (mm)	BSPT	Hex 1	H
W68PLCK-4M-2R	4	1/8	16	28.5
W68PLCK -6M-2R	6	1/8	16	30.5
W68PLCK -6M-4R	6	1/4	16	30.5
W68PLCK -8M-4R	8	1/4	19	36.0
W68PLCK -12M-6R	12	3/8	23	42.0



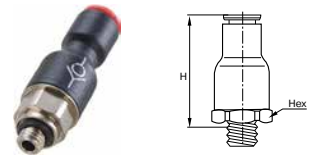
W68PLCKI Male Check Valve Meter In - BSPT

Part No.	Tube Size (mm)	BSPT	Hex 1	H
W68PLCKI-4M-2R	4	1/8	16	28.5
W68PLCKI -6M-2R	6	1/8	16	30.5
W68PLCKI -6M-4R	6	1/4	16	30.5
W68PLCKI -8M-2R	8	1/8	19	36.0
W68PLCKI -8M-4R	8	1/4	19	36.0



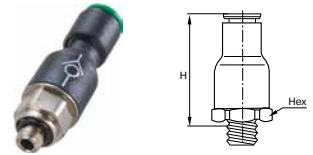
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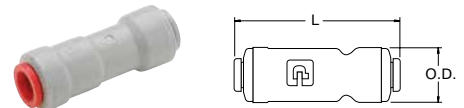
68PLCK Male Check Valve Meter Out - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	H
68PLCK-4M-M5	4	M5X0.8	9	32.0
68PLCK-6M-2G	6	1/8	16	30.5
68PLCK-6M-4G	6	1/4	16	30.5
68PLCK-8M-2G	8	1/8	19	36.0
68PLCK-8M-4G	8	1/4	19	36.0



68PLCKI Male Check Valve Meter In - BSPP

Part No.	Tube Size (mm)	BSPP	Hex 1	H
68PLCKI-6M-2G	6	1/8	16	30.5
68PLCKI-8M-2G	8	1/8	19	36.0
68PLCKI-8M-4G	8	1/4	19	36.0
68PLCKI-12M-6G	12	3/8	23	42.0
68PLCKI-12M-8G	12	1/2	23	44.0



VC – Check Valve

Part No.	Tube Size (in)	L	O.D.
A4VC4-MG	1/4	2.00	.66
A5VC5-MG	5/16	2.10	.70
A6VC6-MG	3/8	2.15	.80
A8VC8-MG	1/2	2.68	.91



WARNING

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STAINLESS STEEL CHECK VALVES



Parker's Stainless Steel Check Valves are ideally suited to harsh environments and for conveying industrial fluids. These check valves allow fluids to flow in one direction and prevent them from flowing in the other.

Product Features:

- 316L Stainless Steel Body & Poppet
- 302 Stainless Steel Spring
- FKM Seals
- Smooth external surfaces contribute to equipment cleanliness
- Suitable for use in corrosive environments

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water And Beverage
- Petrochemical

Applications:

- Pneumatics
- Machine Tools
- Processing
- Chemical
- Printing

Specifications:

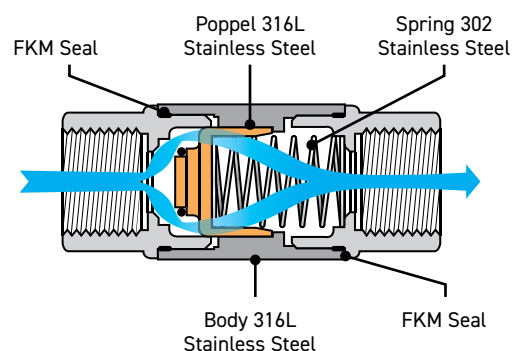
Pressure Range 7 to 580 PSI (0.4 to 39.9 bar)

Cracking Pressure 3.6 PSI (0.2 bar)

Temperature Range -4° to +356° F (-20° to +180° C)

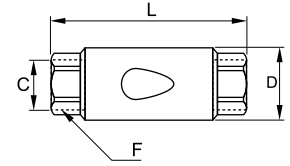
Flow Characteristics

Model	Water Flow at 90 PSI	KV
1/8	.67 SCFM	1.60
1/4	.70 SCFM	1.69
3/8	1.26 SCFM	3.01
1/2	1.29 SCFM	3.10
3/4	2.33 SCFM	5.59
1	3.27 SCFM	7.86



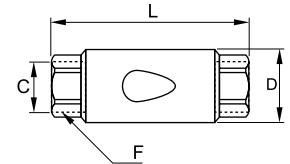
WARNING

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4890 Unidirectional Female - BSPP

Part No.	C	DN	D (mm)	F (mm)	L (mm)	Wt (kg)
4890 10 10	G1/8	10	22	17	50	.084
4890 13 13	G1/4	10	22	17	50	.074
4890 17 17	G3/8	15	30	22	67	.182
4890 21 21	G1/2	15	30	25	71	.196
4890 27 27	G3/4	20	42	32	84	.288
4890 34 34	G1	25	42	38	90	.416



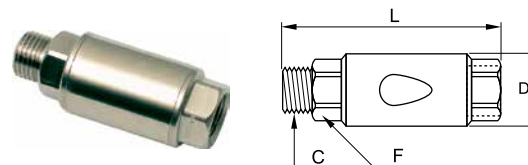
4895 Unidirectional Female - NPT

Part No.	C	DN	D (mm)	F (mm)	L (mm)	Wt (kg)
4895 11 11	1/8	10	22	18	50	.084
4895 14 14	1/4	10	22	18	54	.080
4895 18 18	3/8	15	30	22	73	.198
4895 22 22	1/2	15	30	25	77	.213



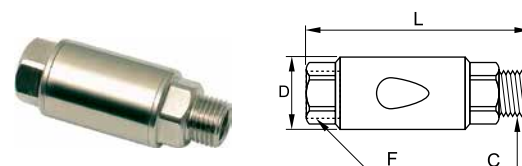
WARNING

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4891 Unidirectional Male to Female - BSPP

Part No.	C	DN	D (mm)	F (mm)	L (mm)	Wt (kg)
4891 10 10	G1/8	10	22	17	56	.086
4891 13 13	G1/4	10	22	17	58	.082
4891 17 17	G3/8	15	30	22	75	.190
4891 21 21	G1/2	15	30	25	79	.280
4891 27 27	G3/4	20	42	32	98	.302
4891 34 34	G1	25	42	38	104	.424



4892 Unidirectional Female to Male - BSPP

Part No.	C	DN	D (mm)	F (mm)	L (mm)	Wt (kg)
4892 10 10	G1/8	10	22	17	56	.086
4892 13 13	G1/4	10	22	17	58	.082
4892 17 17	G3/8	15	30	22	75	.190
4892 21 21	G1/2	15	30	25	79	.280
4892 27 27	G3/4	20	42	32	98	.302
4892 34 34	G1	25	42	38	104	.424



WARNING

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PILOTED OPERATED CHECK VALVES



Parker's Piloted Operated Check Valves are designed to protect installations. If the compressed air supply is removed they lock the air supply to the cylinder, maintaining it in position.

Product Features:

- Orientable and adjustable through 3 axis
- Can be integrated into any installation configuration
- Vent saves time on restart after maintenance operations
- Multi-purpose fitting
 - Piloted non-return valve
 - Flow control regulator
 - Manual exhaust

Markets:

- Factory/Process Automation
- Food Processing
- Pneumatics
- Automotive

Applications:

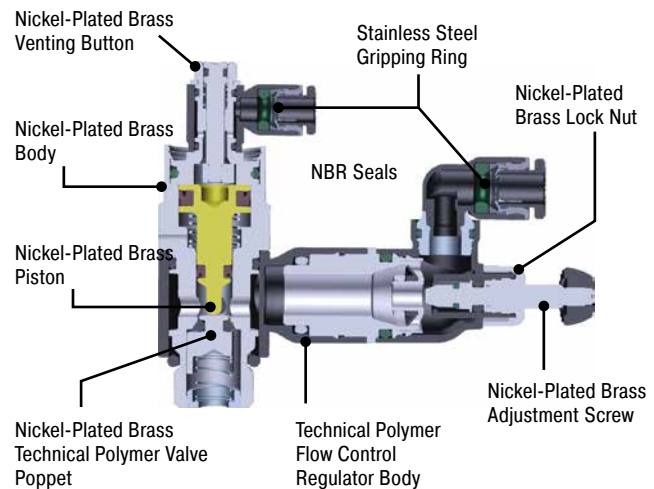
- Pneumatics
- Machine Tools
- Processing
- Packaging
- Assembly

Specifications:

Pressure Range	14 to 145 PSI (0.9 to 9.9 bar)
Cracking Pressure	4.3 PSI (0.2 bar)
Temperature Range	+23° to +140° F (-5° to 60° C)

Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.

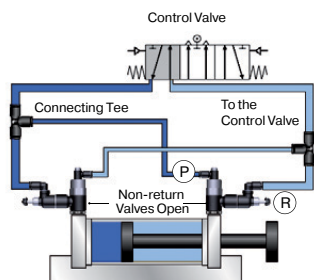


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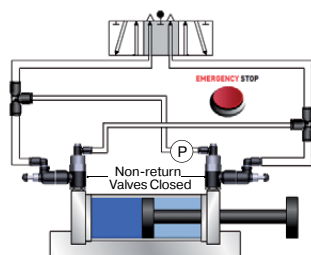
Operation

Normal Operation



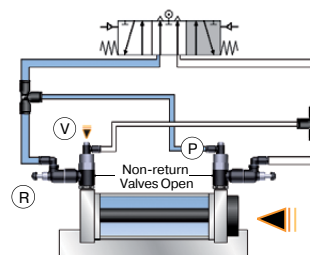
Pilot signal (P)
Regulation of cylinder rod speed (R)

Emergency Stop or Pressure Drop

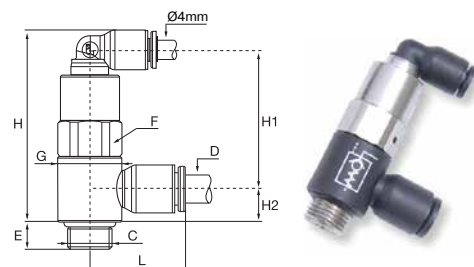


Drop/removal of pilot pressure (P) = cylinder rod locked

Venting Operation



Venting (V) returns the cylinder rod to the to start position, emptying the pressure chamber through the flow regulator (R) and pilot line (P)



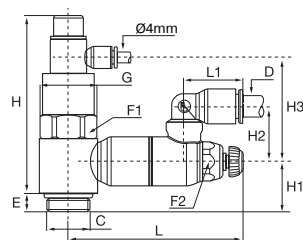
7892 Piloted Non-Return Valve - BSPP

Part No.	D (mm)	C	E (mm)	F (mm)	g (mm)	H (mm)	H1 (mm)	H2 (mm)	L (mm)	Wt (kg)
7892 06 10	6	G1/8	6	13	14	42	30	7	21	.028
7892 06 13	6	G1/4	9	17	18.5	45	32	9	23	.049
7892 08 10	8	G1/8	6	13	14	42	29	9	25	.029
7892 08 13	8	G1/4	9	17	18.5	45	32	9	27	.051
7892 08 17	8	G3/8	6	20	22.5	57	41	11	28	.093
7892 10 17	10	G3/8	6	20	22.5	57	41	11	31	.094
7892 10 21	10	G1/2	10	24	28	63	47	16	36	.172
7892 12 21	12	G1/2	10	24	28	63	47	16	36	.162



WARNING

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7894 Piloted Non-Return Valve with Flow Regulator and Exhaust - BSPP

Part No.	D (mm)	C	E (mm)	F1 (mm)	F2 (mm)	g (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	L min	L max	L (mm)	Wt (kg)
7894 06 10	6	G1/8	6	13	8	14	46	7	24	31	48.5	51	16	.049
7894 06 13	6	G1/4	9	17	10	18.5	49	11	18	31	59.5	65	17	.081
7894 08 10	8	G1/8	6	13	8	14	46	7	27	31	48.5	51	22	.050
7894 08 13	8	G1/4	9	17	10	18.5	49	11	23	31	59.5	65	23	.084
7894 08 17	8	G3/8	6	20	14	22.5	69	13	21	40	67.5	73	23	.148
7894 10 17	10	G3/8	6	20	14	22.5	69	13	29	40	67.5	73	26	.152
7894 10 21	10	G1/2	10	24	17	28	76	12.5	26	47	74	81	26	.234
7894 12 21	12	G1/2	10	24	17	28	76	12.5	27	47	74	81	30	.236



WARNING

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PNEUMATIC SLIDE VALVES



Parker's Slide Valves may be used to effect an immediate isolation of the air line by venting the system to atmosphere. By moving the sleeve in one direction, the air is free to pass through the slide valve to the system. By moving it in the opposite direction, the supply is shut off and the downstream air is allowed to exhaust to the atmosphere.

Product Features:

- Lightweight due to use of aluminum
- Nitrile Seals
- Immediate identification of the venting system by the color (red)
- Uni-directional use ensures the downstream circuit is vented
- Operated in the plane of the tube

Markets:

- Factory/Process Automation
- Food Processing
- Packaging

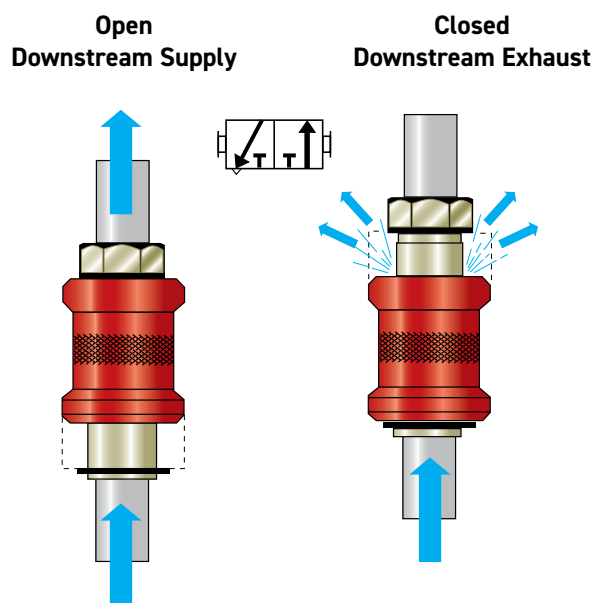
Applications:

- Pneumatics
- Conveyors
- Packaging
- Textile
- Plastics Engineering

Specifications:

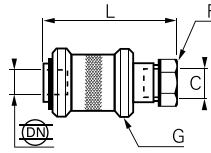
Pressure Range Up to 230 PSI (15.8 bar)

Temperature Range +15° to +175° F (-9.4° to +79.4° C)



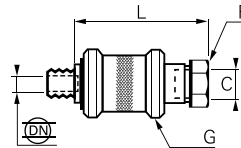
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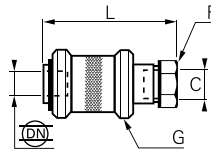
0660 Female Slide Valve - NPT

Part No.	C	DN	F	G	L	Wt (oz)
0660 04 11	1/8	.16	.55	.98	1.89	2.12
0660 07 14	1/4	.27	.67	1.18	2.28	3.71
0660 10 18	3/8	.39	.87	1.38	2.68	6.18



0661 Male to Female Slide Valve - NPT

Part No.	C	DN	F	G	L	Wt (oz)
0661 07 14	1/4	.27	.67	1.18	2.75	4.59
0661 10 18	3/8	.39	.87	1.38	3.21	7.59



0669 Female Slide Valve - BSPP

Part No.	C	DN	F (mm)	G (mm)	L (mm)	Wt (kg)
0669 02 19	M5X0.8	2	10	14	30.5	.045
0669 04 10	G1/8	4	14	25	48	.051
0669 07 13	G1/4	7	19	30	58	.084
0669 10 17	G3/8	10	22	35	68	.153
0669 14 21	G1/2	14	27	40	80	.227
0669 19 27	G3/4	19	32	50	83	.242



WARNING

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QUICK EXHAUST VALVE

Parker's Quick Exhaust Valve increases the return speed of the cylinder rod by allowing the exhaust to pass directly to atmosphere.

Product Features:

- Nickel plated brass body
- Nylon seal
- Polyurethane piston
- Reduction in cycle times: return speed improved
- Excellent exhaust capacity
- Ideal for applications in restrictive environments

Markets:

- Factory/Process Automation
- Packaging
- Industrial
- Pulp & Paper

Applications:

- Pneumatics
- Conveyors
- Packaging
- Textile
- Plastics Engineering

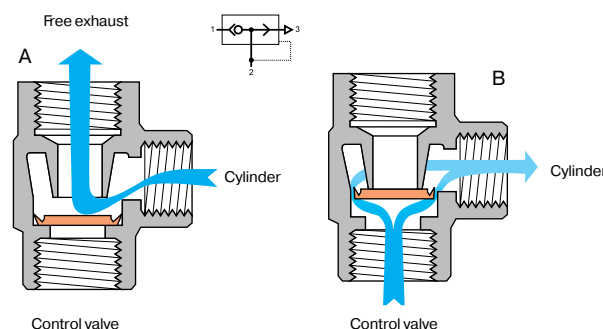
Specifications:

Pressure Range 10 to 150 PSI (0.6 to 10.3 bar)

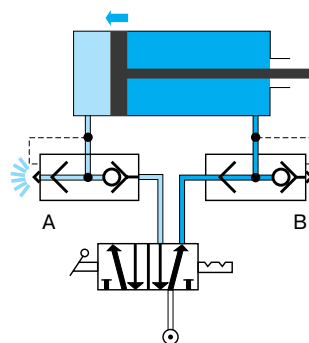
Temperature Range 0° to +160° F (-17.7 to +71.1° C)

Operation:

Mounted on Cylinder

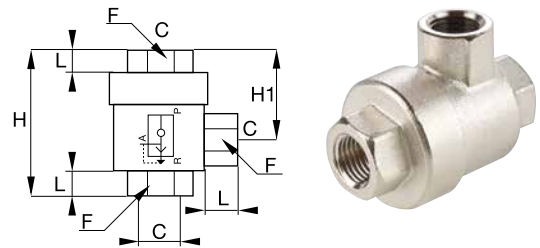


Installation Diagram



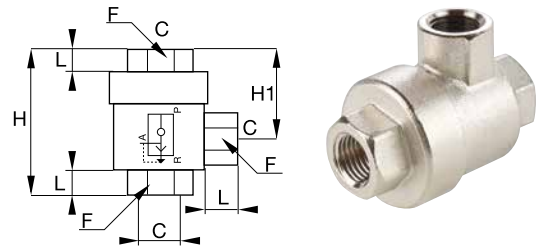
WARNING

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7970 Quick Exhaust Valve Threaded Ports - BSPP

Part no.	c	f	h	h1	l	wt. oz.
7970 19 19	M5 x 0.8	10	24.8	15.6	4	.029
7970 10 10	G1/8	14	42	28	8	.084
7970 13 13	G1/4	19	53	34.5	11	.148
7970 17 17	G3/8	21	58	36	12	.153
7970 21 21	G1/2	26	71	44	14	.316
7970 27 27	G3/4	32	86	52	18	.449
7970 34 34	G1	38	94	56	19	.531



7982 Quick Exhaust Valve Threaded Ports - NPT

Part no.	c	f	h	h1	l	wt. oz.
7982 14 14	1/4	19	2.11	1.38	.37	5.18
7982 18 18	3/8	20	2.19	1.42	.35	5.64
7982 22 22	1/2	26	2.83	1.77	.55	11.29



WARNING

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BLOCKING VALVES

Parker's Blocking Valves prevents damage to work and equipment in the event of a loss of pressure. Blocking valves which are mounted in pairs on a cylinder lock the piston by simultaneously cutting off the supply and exhaust.

Product Features:

- Treated brass body
- Stainless steel gripping ring
- Nickel-plated brass threads
- NBR seals
- Silicone free

Markets:

- Factory/Process Automation
- Packaging
- Petrochemical
- Automotive Process

Applications:

- Robotics
- Packaging
- Textile
- Machine Tools

Compatible Tubing:

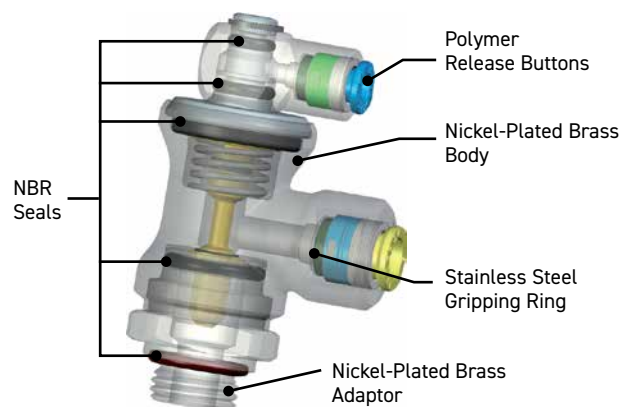
- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

Specifications:

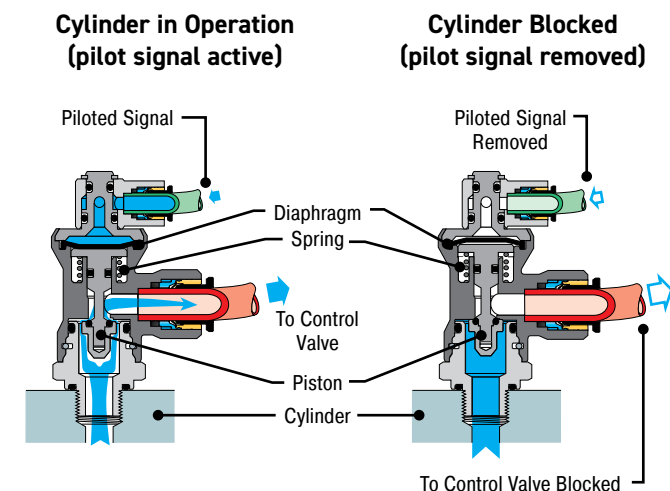
Pressure Range	15 to 145 PSI (1.0 to 9.9 bar)
Temperature Range	-4° to +160° F (-20° to +71.1° C)
Leak Rate	<3.2CCM
Number of Cycles	>10 Million at 68°F and 1 HZ

Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.

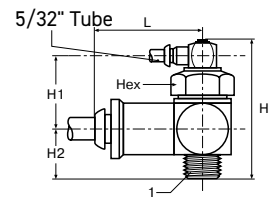


Operation



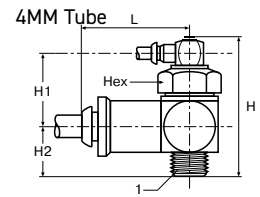
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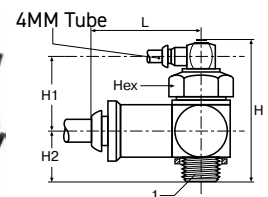
FC601 Push-to-Connect Lock Out Valves

Part No.	Tube Size (in)	NPT	Hex (mm)	H	H1	H2	L
FC601-4-2	1/4	1/8	21	2.03	1.24	.79	1.10
FC601-4-4	1/4	1/4	21	2.03	1.24	.79	1.10



FC601 Push-to-Connect Lock-Out Valve - BSPT

Part No.	Tube Size (mm)	BSPT	Hex	H	H1	H2	L
FC601-6M-2R	6	1/8	21	53	24.5	21.0	28.0
FC601-6M-4R	6	1/4	21	53	24.5	21.0	28.0
FC601-8M-4R	8	1/4	21	53	24.5	21.0	28.0
FC601-8M-6R	8	3/8	24	56	25.0	23.0	34.5
FC601-10M-6R	10	3/8	24	56	25.0	23.0	35.0
FC601-12M-8R	12	1/2	24	56	25.0	23.0	37.5



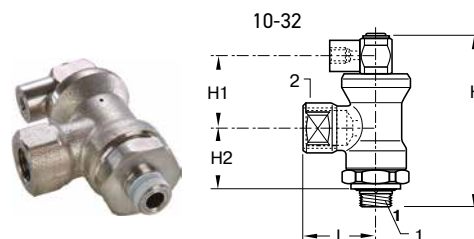
FC601 Push-to-Connect Lock-Out Valve - BSPP

Part No.	Tube Size (mm)	BSPP	Hex	H	H1	H2	L
FC601-6M-2G	6	1/8	21	53	24.5	21.0	28.0
FC601-6M-4G	6	1/4	21	53	24.5	21.0	28.0
FC601-8M-4G	8	1/4	21	53	24.5	21.0	28.0
FC601-8M-6G	8	3/8	24	56	25.0	23.0	34.5
FC601-10M-6G	10	3/8	24	56	25.0	23.0	35.0
FC601-12M-8G	12	1/2	24	56	25.0	23.0	37.5



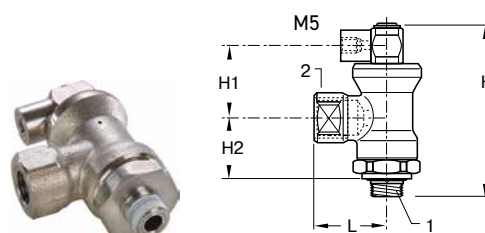
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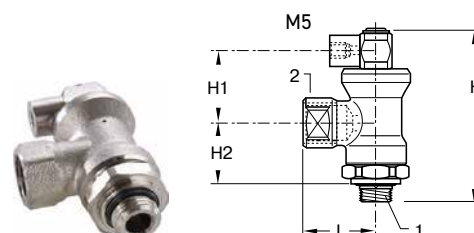
FC602 Threaded Port Lock Out Valves

Part No.	1 NPT	2 NPT	Hex (mm)	H	H1	H2	L
FC602-2	1/8	1/8	21	2.03	1.24	.79	1.04
FC602-4	1/4	1/4	21	2.03	1.24	.79	1.04
FC602-6	3/8	3/8	24	2.19	1.14	1.04	1.34
FC602-8	1/2	1/2	24	2.19	1.14	1.04	1.57



FC608 Threaded Port Lock-Out Valve - BSPT

Part No.	BSPT 1	BSPT 2	Hex	H	H1	H2	L
FC608-4R-2R	1/8	1/4	21	51.5	31.5	20.0	26.5
FC608-4R-4R	1/4	1/4	21	51.5	31.5	20.0	26.5
FC608-6R-6R	3/8	3/8	24	55.5	29.0	26.5	34.0
FC608-8R-8R	1/2	1/2	24	55.5	29.0	26.5	40.0



FC608 Threaded Port Lock-Out Valve - BSPP

Part No.	BSPP 1	BSPP 2	Hex	H	H1	H2	L
FC608-4G-2G	1/8	1/4	21	53	24.5	21.0	28.0
FC608-4G-4G	1/4	1/4	21	53	24.5	21.0	28.0
FC608-6G-6G	3/8	3/8	24	56	25.0	23.0	34.0
FC608-8G-8G	1/2	1/2	24	56	25.0	23.0	41.0



WARNING

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MANUALLY-OPERATED VALVES

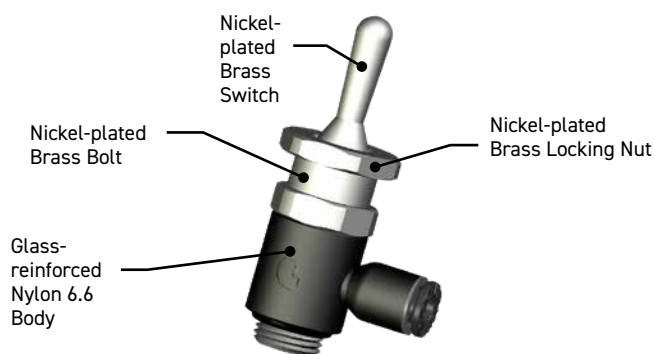


Parker Legris' manually-operated valves offer a reliable and durable system for opening and closing the circuit when the system has to be switched frequently. They provide a significant reduction in the time needed to work on pneumatic circuits.

Product Features:

Manual Switch-Operated Valves

- Downstream control supply provided by simply moving the lever
- 2 models available to provide the best solution for the system:
 - 3/2: opening, closing, venting
- Compact and ergonomic (can be positioned through 360°)
- Silicone-Free



Markets:

- Factory/Process Automation
- Packaging
- Industrial
- Pulp & Paper

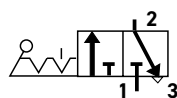
Applications:

- Robotics
- Conveyors
- Textile
- Plastics Engineering
- Printing
- Pneumatics
- Packaging

Specifications:

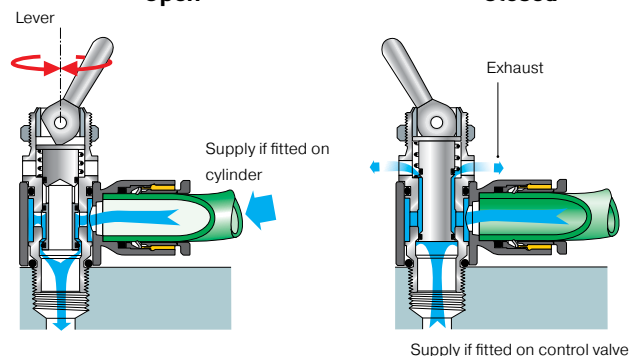
Compatible Fluids	Compressed air
Working Pressure	230 psi (15.8 bar)
Working Temperature	15° to 175° F (-10° to 80° C)

Switch-Operated Valves



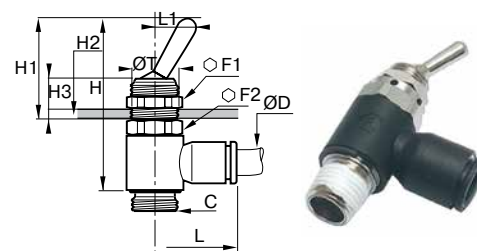
Open

Closed



WARNING

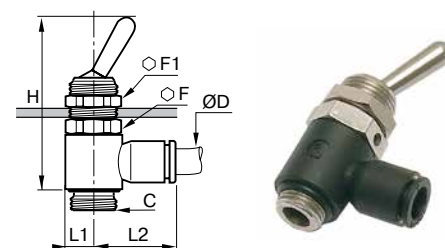
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7805/7806 Manually Operated 3-Way Venting Valve Fractional Inch Tube to NPT

Part No. Supply (1)	ØD (in)	C NPT	F1 (mm)	F2 (mm)	H (in)	H1 (in)	H2 (in)	H3 (in)	L (in)	L1 (in)	ØT (in)	W (oz)
7805 04 11	5/32	1/8	14	14	1.69	.98	.18	.30	.75	.43	.49	.95
7805 56 11	1/4	1/8	14	14	1.69	.98	.18	.30	.85	.43	.49	1.02
7805 56 14	1/4	1/4	14	17	1.99	.98	.18	.30	.89	.43	.49	1.55
7805 60 14	3/8	1/4	14	17	1.99	.98	.18	.30	1.14	.43	.49	1.69

Part No. Supply (2)	ØD (in)	C NPT	F1 (mm)	F2 (mm)	H (in)	H1 (in)	H2 (in)	H3 (in)	L (in)	L1 (in)	ØT (in)	W (oz)
7806 04 11	5/32	1/8	14	14	1.69	.98	.18	.30	.75	.43	.49	.95
7806 56 11	1/4	1/8	14	14	1.69	.98	.18	.30	.85	.43	.49	1.02
7806 56 14	1/4	1/4	14	17	1.99	.98	.18	.30	.89	.43	.49	1.55
7806 60 14	3/8	1/4	14	17	1.99	.98	.18	.30	1.14	.43	.49	1.69



7800/7801 Manually Operated 3-Way Venting Valve Metric Tube to BSPP or Metric

Part No. Supply (1)	ØD (mm)	C BSPP	F (mm)	F1 (mm)	H (mm)	L1 (mm)	L2 (mm)	W (kg)
7800 04 19	4	M5X0.8	8	-	32	5	16	.020
7800 04 10	4	G1/8	14	14	42.5	7	18.5	.027
7800 06 19	6	M5X0.8	8	-	32	5	19	.022
7800 06 10	6	G1/8	14	14	42.5	7	20	.029
7800 06 13	6	G1/4	17	17	51	9	22	.044
7800 08 10	8	G1/8	14	14	42.5	7	25	.030
7800 08 13	8	G1/4	17	17	51	9	27	.045

Part No. Supply (2)	ØD (mm)	C BSPP	F (mm)	F1 (mm)	H (mm)	L1 (mm)	L2 (mm)	W (kg)
7801 04 19	4	M5X0.8	8	-	32	5	16	.020
7801 04 10	4	G1/8	14	14	42.5	7	18.5	.027
7801 06 19	6	M5X0.8	8	-	32	5	19	.022
7801 06 10	6	G1/8	14	14	42.5	7	20	.029
7801 06 13	6	G1/4	17	17	51	9	22	.044
7801 08 10	8	G1/8	14	14	42.5	7	25	.030



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THRESHOLD SENSOR FITTINGS



Parker's Threshold Sensor Fitting detects the pressure drop when a cylinder reaches the end of its stroke. They produce a pneumatic or electrical output signal when the pressure drop in the exhaust chamber of the cylinder goes below their back pressure threshold.

Product Features:

- Polymer body
- Brass screw
- NBR seal

Markets:

- Factory/Process Automation
- Packaging
- Pneumatics
- Semi-Conductor

Applications:

- Robotics
- Packaging
- Textile
- Machine Tools
- Pneumatic Systems

Compatible Tubing:

- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

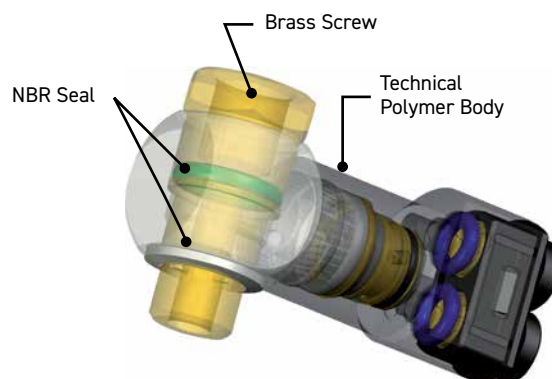
Specifications:

Model PSBJ,PSPJ

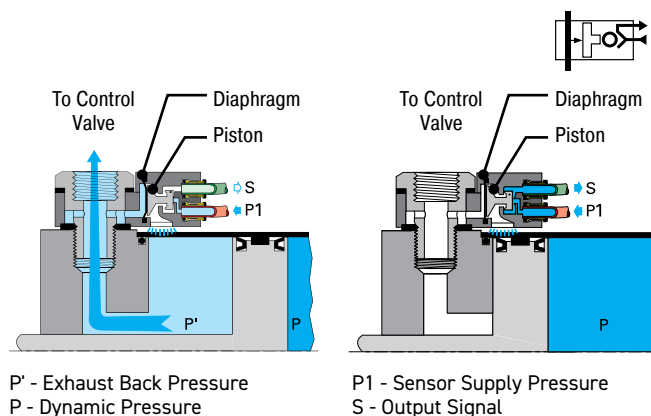
Pressure Range	45 to 115 PSI (3.1 to 7.9 bar)
Temperature Range	+5° to +140° F (-15° to +60° C)
Breaking Pressure	8.5 PSI (0.5 bar)
Response Time	3 MS

Model PSPE

Pressure Range	45 to 115 PSI (3.1 to 7.9 bar)
Breaking Pressure	8.5 PSI (0.5 bar)
Current Rating	5A/250VAC – 5W/48VDC

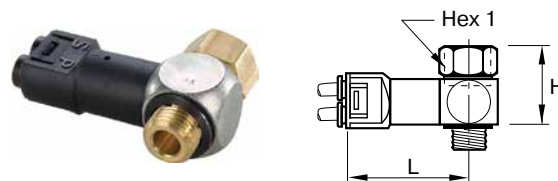


Operation



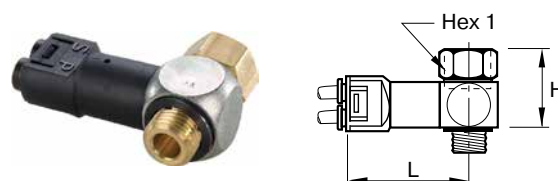
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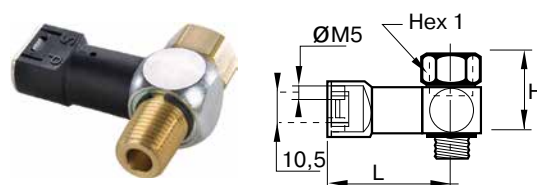
PSBJ731 Pneumatic Threshold Sensor - 5/32 Pilot

Part No.	NPT/UNF	Hex (mm)	H	L
PSBJ731-0	10-32	5/16	.62	1.70
PSBJ731-6	3/8	7/8	1.13	1.91
PSBJ731-8	1/2	1	1.17	2.05



PSBJ731 Pneumatic Threshold Sensor - 4mm Pilot

Part No.	BSPP	Hex 1	H	L
PSBJ731-M5	M5X0.8	8	16	43.5
PSBJ731-2G	1/8	14	23	44.5
PSBJ731-4G	1/4	17	28	46.5
PSBJ731-6G	3/8	22	29	49.0
PSBJ731-8G	1/2	27	30	52.5



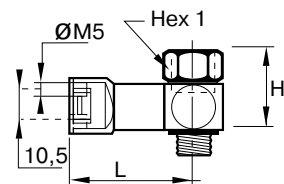
PSPJ731 Pneumatic Threshold Sensor - 10-32 Pilot

Part No.	NPT	Hex 1 (mm)	H	L
PSPJ731-2	1/8	9/16	.90	1.58
PSPJ731-4	1/4	5/8	1.09	1.66



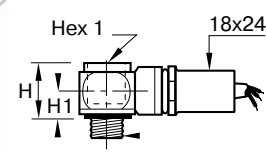
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PSBJ708 Pneumatic Threshold Sensor - M5 Pilot

Part No.	BSPP	Hex 1	H	L
PSBJ708-2G	1/8	14	23	40.5
PSBJ708-4G	1/4	17	28	42.5



PSPE731 Pneumatic / Electric Threshold Sensor - BSPP

Part No.	BSPP	Hex 1	H	H1	L
PSPE731-M5	M5X0.8	8	20	10	49
PSPE731-2G	1/8	6	20	10	52
PSPE731-4G	1/4	8	20	10	54
PSPE731-6G	3/8	10	22	12	57



WARNING

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MINI BALL VALVES

Parker's Mini Ball Valves enable in-line opening and closing of a pneumatic circuit. Handles are color coded and marked with the corresponding pneumatic symbol, in order to enable immediate identification by the user.

Product Features:

- Nylon body
- Brass stem
- Stainless steel gripping ring
- NBR stem seal
- NBR o-ring
- Nylon Handle
- Lightweight and compact

Markets:

- Factory/Process Automation
- Packaging
- Petrochemical
- Pneumatics
- Semi-Conductor

Applications:

- Robotics
- Packaging
- Textile
- Machine Tools
- Pneumatic Systems
- Vacuum

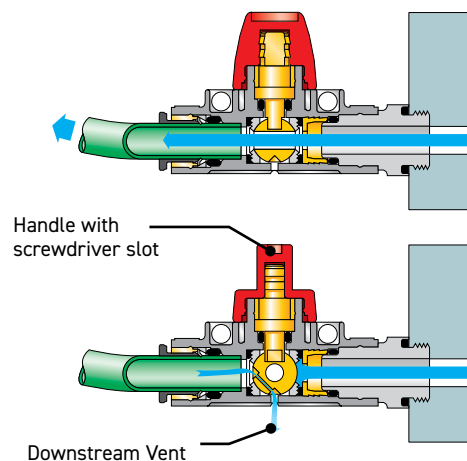
Specifications:

Pressure Range	145 PSI (9.9 bar)
Temperature Range	-4° to 175° F (-20° to +79.4° C)
Vacuum Capability	28" Hg

Compatible Tubing:

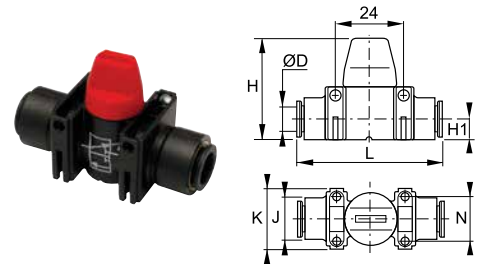
- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

Operation



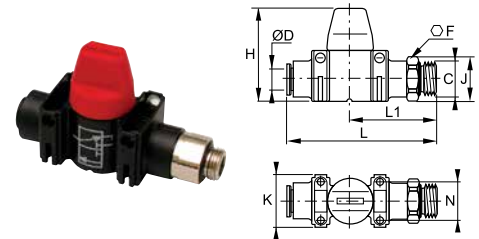
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MVV309 Mini Ball Valve Vented Push-To-Connect Ports

Part No.	Tube Size (in)	H	H1	J	K	L	N
Fractional Inch							
MVV309-4	1/4	1.46	.30	.59	.87	2	.64
MVV309-6	3/8	1.96	.43	.79	1.18	2.6	.87
Metric							
MVV309-6M	6	37.00	7.50	15.00	22.00	52	16.20
MVV309-8M (5/16)	8	37.00	7.50	15.00	22.00	52	16.20
MVV309-10M	10	43.00	11.00	20.00	30.00	66	22.00
MVV309-12M	12	43.00	11.00	20.00	30.00	66	22.00



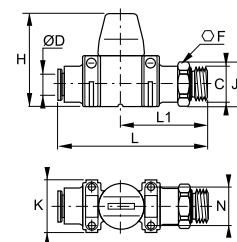
MVV308 Mini Ball Valve Vented NPT to Push-To-Connect Port

Part No.	Tube Size (mm)	BSPP	F	H	J	K	L	L1	N
MVV308-5/32-2	5/32	1/8	13	1.46	.55	.87	2.44	1.46	.64
MVV308-4-2	1/4	1/8	13	1.46	.55	.87	2.44	1.46	.64
MVV308-4-4	1/4	1/4	14	1/46	.59	.87	2.44	1.38	.64
MVV308-5-4	5/16	1/4	14	1/46	.59	1.18	2.40	1.61	.64
MVV308-6-4	3/8	1/4	16	1.69	.69	1.18	2.40	1.65	.87
MVV308-6-6	3/8	3/8	18	1.69	.77	1.18	2.91	1.65	.87



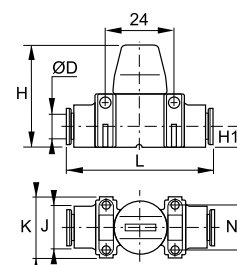
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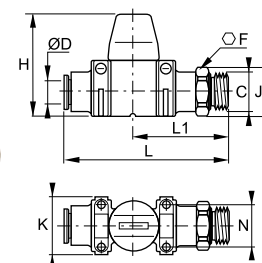
MVV308 Mini Ball Valve Vented BSPP to Push-To-Connect Port

Part No.	Tube Size (mm)	BSPP	F	H	J	K	L	L1	N
MVV308-6M-2G	6	G1/8	13	37	14.00	22	62	37	16.20
MVV308-8M-4G	8	G1/4	16	37	17.50	22	61	35	16.20
MVV308-10M-6G	10	G3/8	20	43	22.00	30	74	41	22.00



MV309 Mini Ball Valve Push-To-Connect Ports

Part No.	Tube Size (in)	H	H1	J	K	L	N
Fractional Inch							
MV309-4	1/4	1.46	.30	.59	.87	2.05	.64
MV309-6	3/8	1.69	.43	.79	1.18	2.60	.64
Metric							
MV309-6M	6	37.00	7.50	15.00	22.00	52.00	16.20
MV309-8M (5/16)	8	37.00	7.50	15.00	22.00	52.00	16.20
MV309-10M	10	43.00	11.00	20.00	30.00	66.00	16.20
MV309-12M	12	43.00	11.00	20.00	30.00	66.00	16.20



MV308 Mini Ball Valve BSPP to Push-To-Connect Port

Part No.	Tube Size (mm)	BSPP	F	H	J	K	L	L1	N
MV308-6M-2G	6	G1/8	13	37	14	22	62	37	16.20
MV308-10M-6G	10	G3/8	20	43	22	30	74	41	16.20
MV308-12M-8G	12	G1/2	24	43	26	30	75	42	16.20



WARNING

These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

[illegible]



WATER & BEVERAGE

Thermoplastic, Fittings and Valves, LIQUIfit Fittings, TrueSeal™ Fittings, Fast & Tite® Fittings, Par-Barb® Fittings



LIQUIFIT FITTINGS



Parker's LIQUIfit Fittings offer an innovative alternative for water applications. These fittings ensure reliable and compact connection for liquid transfer applications.

Product Features:

- Stainless steel grab ring
- Bio-sourced nylon 11
- EPDM seal
- FDA compliant, NSF/ANSI 51 and NSF/ANSI/CAN 61
- Silicone free
- 100% leak tested in production
- Date coding to guarantee quality and traceability

Markets:

- Water Filtration
- Beverage Dispensing
- Life Science
- Bottling
- Semi-Conductor

Applications:

- Water
- Beverages
- Food
- CO₂
- Vacuum

Specifications:

Pressure Range Up to 230 PSI (16 bar)

Temperature Range +35° to +200° F (+1.7° to +93.3° C)

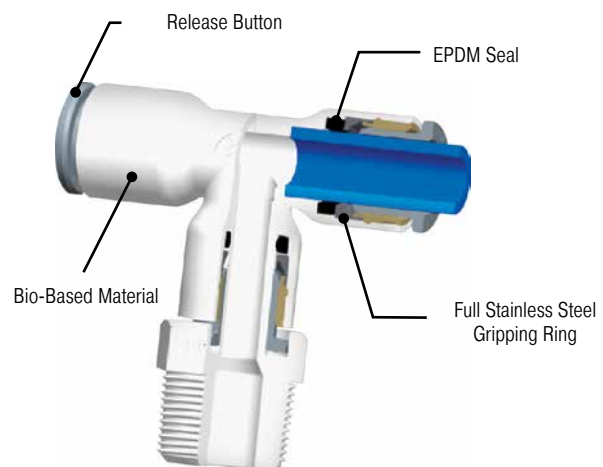
Note: The working specification depends on the type and wall thickness of the tube, the type of fluid, fluid Temperature and ambient temperature

Compatible Tubing:

- Polyethylene

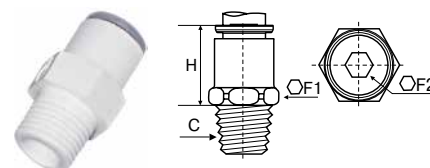
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.



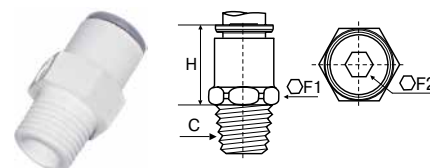
WARNING

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6505 Male Connector Inch Tube to NPTF

Part No.	Tube Size (in)	C NPTF	F1	F2	H
6505 56 11WP2	1/4	1/8	1/2	5/32	.67
6505 56 14WP2	1/4	1/4	9/16	5/32	.67
6505 56 18WP2	1/4	3/8	3/4	1/4	.85
6505 60 11WP2	3/8	1/8	3/4	5/32	.87
6505 60 14WP2	3/8	1/4	3/4	1/4	.87
6505 60 18WP2	3/8	3/8	3/4	1/4	.87
6505 60 22WP2	3/8	1/2	15/16	1/4	1.06
6505 62 18WP2	1/2	3/8	15/16	3/8	1.10
6505 62 22WP2	1/2	1/2	15/16	3/8	1.10



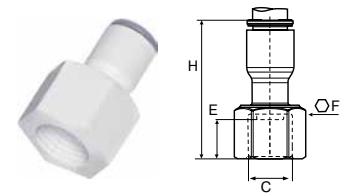
6505 Male Connector Metric Tube to BSPT

Part No.	Tube Size (mm)	C BSPT	F1	F2	H
6505 04 10WP2	4	1/8	11	3	18.00
6505 06 10WP2	6	1/8	11	4	18.00
6505 06 13WP2	6	1/4	14	4	18.00
6505 08 10WP2	8	1/8	17	6	20.00
6505 08 13WP2	8	1/4	17	6	20.00
6505 08 17WP2	8	3/8	17	6	20.00
6505 10 13WP2	10	1/4	17	7	21.50
6505 10 17WP2	10	3/8	19	7	21.50
6505 10 21WP2	10	1/2	22	7	21.50
6505 12 17WP2	12	3/8	19	9	24.50
6505 12 21WP2	12	1/2	22	9	24.50



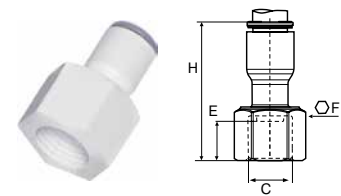
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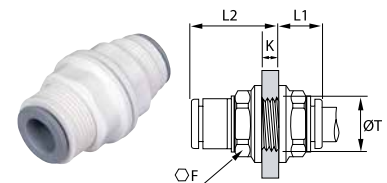
6315 Female Connector Inch Tube to NPTF

Part No.	Tube Size (in)	C NPTF	E	F	H
6315 56 14WP2	1/4	1/4	14	11/16	1.18
6315 60 18WP2	3/8	3/8	14	3/16	1.42



6315 Female Connector Metric Tube to BSPT

Part No.	Tube Size (mm)	C BSPT	E	F	H
6315 06 10WP2	6	1/8	11	13	32.00
6315 06 13WP2	6	1/4	14	16	33.00
6315 08 13WP2	8	1/4	14	16	33.50



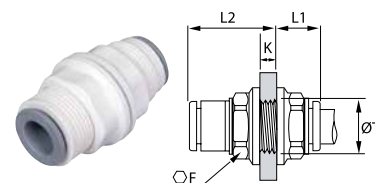
6316 Bulkhead Union Inch Tube

Part No.	Tube Size (in)	F	K (max)	L1	L2	T (min)
6316 04 00WP2	5/32	.51	.22	.41	.61	.41
6316 56 00WP2	1/4	.59	.33	.39	.79	.49
6316 08 00WP2	5/16	.71	.57	.41	1.06	.61
6316 60 00WP2	3/8	.87	.57	.49	1.16	.73
6316 62 00WP2	1/2	1.41	.81	.67	1.59	1.00



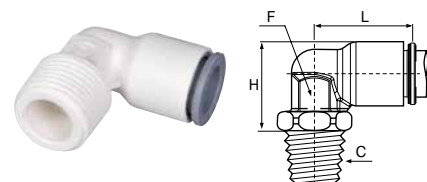
WARNING

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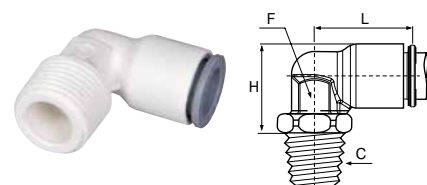
6316 Bulkhead Union Metric Tube

Part No.	Tube Size (mm)	F	K (max)	L1	L2	T (min)
6316 04 00WP2	4	13	5.50	10.50	15.50	10.50
6316 06 00WP2	6	15	8.50	10.00	20.00	12.50
6316 08 00WP2	8	18	14.50	10.50	27.00	15.50



6579 Fixed Elbow Inch Tube to NPTF

Part No.	Tube Size (in)	C NPTF	F	H	L
6579 56 11WP2	1/4	1/8	3/8	.54	.71
6579 56 14WP2	1/4	1/4	3/8	.54	.71
6579 56 18WP2	1/4	3/8	3/8	.54	.71
6579 60 14WP2	3/8	1/4	1/2	.77	1.02
6579 60 18WP2	3/8	3/8	1/2	.77	1.02



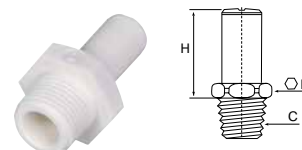
6579 Fixed Elbow Metric Tube to BSPT

Part No.	Tube Size (mm)	C BSPT	F	H	L
6579 06 10WP2	6	1/8	10	14	19
6579 06 13WP2	6	1/4	10	14	19
6579 06 17WP2	6	3/8	10	14	19



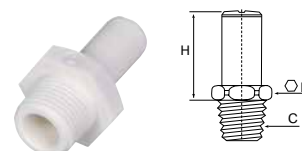
WARNING

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6521 Stem Adapter Inch Tube to NPTF

Part No.	Tube Size (in)	C NPTF	F	H
6521 56 11WP2	1/4	1/8	1/2	.75
6521 56 14WP2	1/4	1/4	1/2	.75
6521 56 18WP2	1/4	3/8	3/4	.77
6521 60 14WP2	3/8	1/4	3/4	.98
6521 60 18WP2	3/8	3/8	3/4	.98
6521 62 18WP2	1/2	3/8	15/16	1.22
6521 62 22WP2	1/2	1/2	15/16	1.28



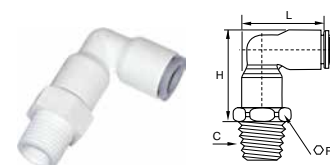
6521 Stem Adapter Metric Tube to BSPT

Part No.	Tube Size (mm)	C BSPT	F	H
6521 06 10WP2	6	1/8	13	19
6521 06 13WP2	6	1/4	14	19
6521 06 17WP2	6	3/8	17	19
6521 08 10WP2	8	1/8	19	23
6521 08 13WP2	8	1/4	19	23
6521 08 17WP2	8	3/8	19	23
6521 10 13WP2	10	1/4	19	25
6521 10 17WP2	10	3/8	19	25
6521 10 21WP2	10	1/2	22	25
6521 12 17WP2	12	3/8	22	28
6521 12 21WP2	12	1/2	22	28



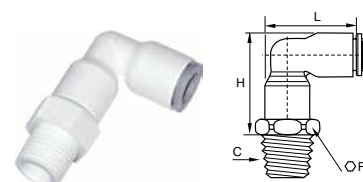
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6509 Swivel Elbow Inch Tube to NPTF

Part No.	Tube Size (in)	C NPTF	F	H	L
6509 56 11WP2	1/4	1/8	1/2	1.10	.93
6509 56 14WP2	1/4	1/4	9/16	1.10	.93
6509 56 18WP2	1/4	3/8	3/4	1.12	.93
6509 60 14WP2	3/8	1/4	3/4	1.50	1.34
6509 60 18WP2	3/8	3/8	3/4	1.50	1.34
6509 62 18WP2	1/2	3/8	15/16	1.99	1.83
6509 62 22WP2	1/2	1/2	15/16	1.99	1.83



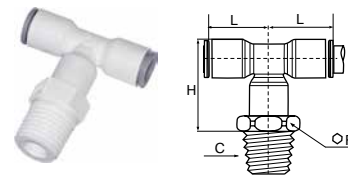
6509 Swivel Elbow Metric Tube to BSPT

Part No.	Tube Size (mm)	C BSPT	F	H	L
6509 06 10WP2	6	1/8	13	28	24.00
6509 06 13WP2	6	1/4	14	28	24.00
6509 06 17WP2	6	3/8	17	28	24.00
6509 08 10WP2	8	1/8	19	34	29.50
6509 08 13WP2	8	1/4	19	34	29.50
6509 08 17WP2	8	3/8	19	34	29.50
6509 12 17WP2	12	3/8	22	44	40.00
6509 12 21WP2	12	1/2	22	44	40.00



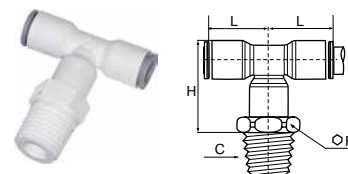
WARNING

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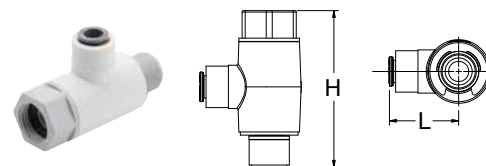
6508 Swivel Branch Tee Inch Tube to NPTF

Part No.	Tube Size (in)	C NPTF	F	H	L
6508 56 11WP2	1/4	1/8	1/2	1.10	.71
6508 56 14WP2	1/4	1/4	9/16	1.10	.71
6508 56 18WP2	1/4	3/8	3/4	1.10	.71
6508 60 14WP2	3/8	1/4	3/4	1.50	1.02
6508 60 18WP2	3/8	3/8	3/4	1.50	1.02
6508 62 18WP2	1/2	3/8	15/16	1.97	1.40
6508 62 22WP2	1/2	1/2	15/16	2.00	1.40



6508 Swivel Branch Tee Metric Tube to BSPT

Part No.	Tube Size (mm)	C BSPT	F	H	L
6508 06 10WP2	6	1/8	13	28.00	18.00
6508 06 13WP2	6	1/4	14	28.00	18.00
6508 06 17WP2	6	3/8	17	28.00	18.00
6508 10 13WP2	10	1/4	19	38.00	26.50
6508 10 21WP2	10	1/2	22	38.00	26.50
6508 12 17WP2	12	3/8	22	44.00	31.00



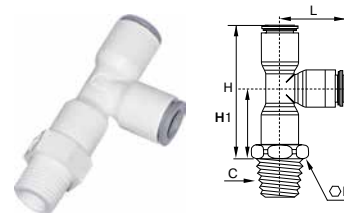
AS Angle Stop Fitting

Part No.	Tube Size (in)	MaLe Thd..	FemaLe Thd..	UNEF Thd..	H	L
LFPP4AS6	1/4	3/8	3/8	9/16-24	2.17	.96



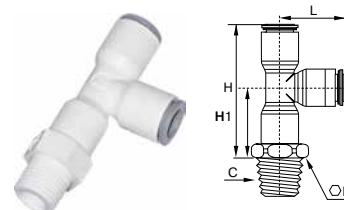
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6503 Swivel Run Tee Inch Tube to NPTF

Part No.	Tube Size (in)	C NPTF	F	H	H1	L
6503 56 11WP2	1/4	1/8	1/2	1.60	.88	.71
6503 56 14WP2	1/4	1/4	9/16	1.60	.88	.71
6503 56 18WP2	1/4	3/8	3/4	1.63	.90	.71
6503 60 14WP2	3/8	1/4	3/4	1.63	1.18	1.02
6503 60 18WP2	3/8	3/8	3/4	1.63	1.18	1.02
6503 62 18WP2	1/2	3/8	15/16	2.29	1.55	1.40
6503 62 22WP2	1/2	1/2	15/16	2.99	1.59	1.40



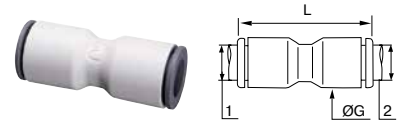
6503 Swivel Run Tee Metric Tube to BSPT

Part No.	Tube Size (mm)	C BSPT	F	H	H1	L
6503 06 13WP2	6	1/4	14	40.00	22.00	18.50
6503 08 10WP2	8	1/8	19	50.00	27.00	23.00
6503 08 13WP2	8	1/4	19	50.00	27.00	23.00
6503 08 17WP2	8	3/8	19	50.00	27.00	23.00
6503 12 17WP2	12	3/8	22	65.50	34.50	31.00
6503 12 21WP2	12	1/2	22	65.50	34.50	31.00



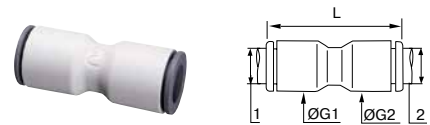
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6306 Union Connector Inch Tube

Part No.	Tube 1 Size (in)	Tube 2 Size (in)	G	L
6306 56 00WP2	1/4	1/4	.43	1.18
6306 08 00WP2	5/16	5/16	.53	1.46
6306 60 00WP2	3/8	3/8	.63	1.65
6306 62 00WP2	1/2	1/2	.87	2.24
6306 56 60WP2	1/4	3/8	.63	1.61
6306 56 08WP2	1/4	5/16	.53	1.46
6306 08 60WP2	5/16	3/8	.63	1.65
6306 08 62WP2	5/16	1/2	.87	2.16
6306 60 62WP2	3/8	1/2	.87	2.20



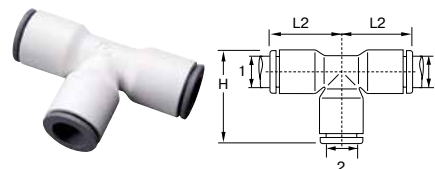
6306 Union Connector Metric Tube

Part No.	Tube 1 Size (mm)	Tube 2 Size (mm)	G1	G2	L
6306 04 00WP2	4	4	8.50	8.50	26.50
6306 06 00WP2	6	6	10.50	10.50	30.00
6306 08 00WP2	8	8	13.50	13.50	37.00
6306 10 00WP2	10	10	16.00	16.00	42.00
6306 12 00WP2	12	12	19.00	19.00	50.50
6306 04 06WP2	4	6	8.50	10.50	29.00
6306 04 08WP2	4	8	13.50	13.50	37.00
6306 06 08WP2	6	8	13.50	13.50	37.00
6306 06 10WP2	6	10	16.00	16.00	42.00
6306 08 10WP2	8	10	16.00	16.00	42.00
6306 08 12WP2	8	12	19.00	19.00	50.00
6306 10 12WP2	10	12	19.00	19.00	50.00



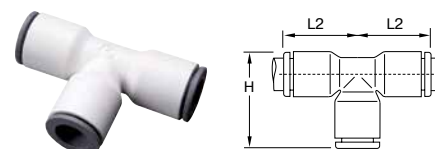
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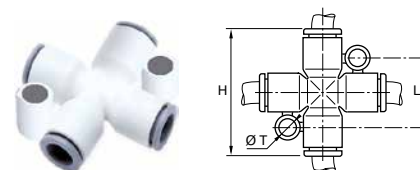
6304 Union Tee Inch Tube

Part No.	Tube 1 Size (in)	Tube 2 Size (in)	H	L2
6304 04 00WP2	5/32	5/32	.79	.61
6304 56 00WP2	1/4	1/4	.94	.71
6304 08 00WP2	5/16	5/16	1.14	.89
6304 60 00WP2	3/8	3/8	1.34	1.02
6304 62 00WP2	1/2	1/2	1.85	1.42
6304 60 56WP2	3/8	1/4	1.34	1.02
6304 62 60WP2	1/2	3/8	1.85	1.42



6304 Union Tee Metric Tube

Part No.	Tube Size (mm)	H	L2
6304 04 00WP2	4	20.00	15.50
6304 06 00WP2	6	23.00	18.00
6304 08 00WP2	8	29.00	22.50
6304 10 00WP2	10	34.50	26.50
6304 12 00WP2	12	40.00	31.00



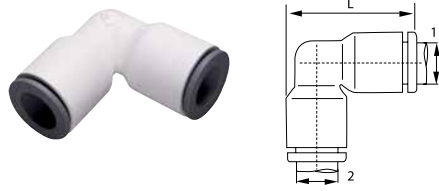
6307 Cross Metric

Part Number	Tube Size (mm)	H	L	t
6307 06 00WP2	6	46	22.5	4.2
6307 08 00WP2	8	46	22.5	4.2



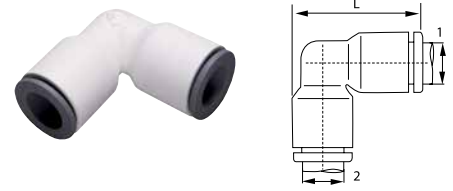
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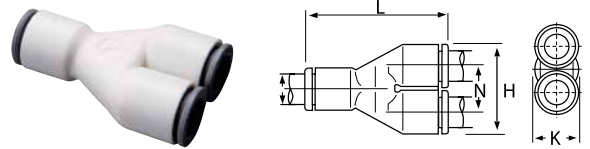
6302 Union Elbow Inch Tube

Part No.	Tube 1 Size (in)	Tube 2 Size (in)	L
6302 04 00WP2	5/32	5/32	.75
6302 56 00WP2	1/4	1/4	.94
6302 08 00WP2	5/16	5/16	1.16
6302 60 00WP2	3/8	3/8	1.34
6302 62 00WP2	1/2	1/2	1.83
6302 56 08WP2	1/4	5/16	1.16
6302 08 60WP2	5/16	3/8	1.34
6302 56 60WP2	3/8	1/4	1.30
6302 60 62WP2	3/8	1/2	1.83



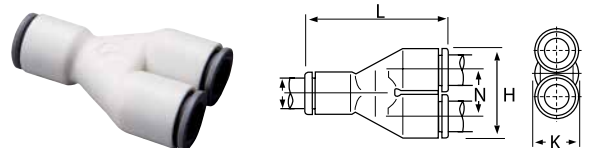
6302 Union Elbow Metric Tube

Part No.	Tube 1 Size (mm)	Tube 2 Size (mm)	L
6302 04 00WP2	4	4	19.50
6302 06 00WP2	6	6	24.00
6302 08 00WP2	8	8	29.50
6302 10 00WP2	10	10	34.50
6302 12 00WP2	12	12	40.50
6302 04 06WP2	4	6	24.00
6302 06 08WP2	6	8	29.50
6302 08 10WP2	8	10	34.50
6302 10 12WP2	10	12	40.50



6340 Union Y Connector Inch Tube

Part No.	Tube Size (in)	H	K	L	N
6340 04 00WP2	5/32	.69	.33	1.18	.35
6340 56 00WP2	1/4	.87	.43	1.42	.45
6340 08 00WP2	5/16	1.10	.53	1.75	.57
6340 60 00WP2	3/8	1.30	.63	2.08	.67
6340 62 00WP2	1/2	1.77	.87	2.64	.91



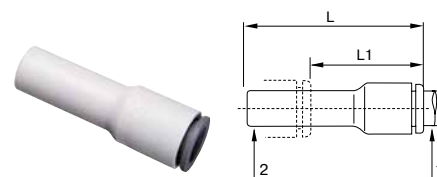
6340 Union Y Connector Metric Tube

Part No.	Tube Size (mm)	H	K	L	N
6340 04 00WP2	4	17.50	8.50	30.00	9.00
6340 06 00WP2	6	21.50	10.50	36.50	11.00
6340 08 00WP2	8	28.00	13.50	44.50	14.50
6340 10 00WP2	10	33.00	16.00	53.00	17.00
6340 12 00WP2	12	39.00	19.00	60.50	20.00



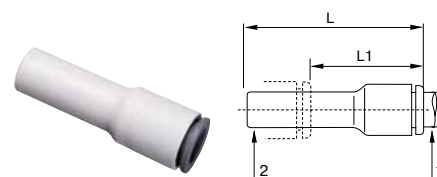
WARNING

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6366 Reducer Inch Tube to Stem

Part No.	Tube 1 Size (in)	Tube 2 Size (in)	L	L1
6366 56 08WP2	1/4	5/16	1.61	.89
6366 56 60WP2	1/4	3/8	1.61	.81
6366 08 60WP2	5/16	3/8	1.91	1.14
6366 08 62WP2	5/16	1/2	1.91	.87
6366 60 62WP2	3/8	1/2	2.01	1.18



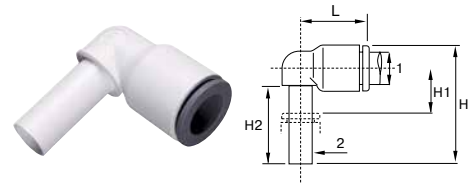
6366 Reducer Metric Tube to Stem

Part No.	Tube 1 Size (mm)	Tube 2 Size (mm)	L	L1
6366 04 06WP2	4	6	38.00	23.50
6366 04 08WP2	4	8	38.00	19.00
6366 06 08WP2	6	8	38.00	20.00
6366 06 10WP2	6	10	39.00	17.50
6366 08 10WP2	8	10	48.50	28.50
6366 08 12WP2	8	12	48.50	24.50
6366 10 12WP2	10	12	52.00	33.50
6366 10 14WP2	10	14	53.00	33.50
6366 12 14WP2	12	14	55.50	33.50



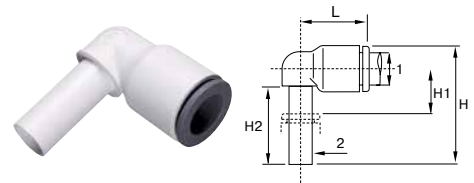
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6382 Plug-In Elbow Inch Tube to Stem

Part No.	Tube 1 Size (in)	Tube 2 Size (in)	H	H1	H2	L
6382 56 00WP2	1/4	1/4	1.20	.43	.71	.71
6382 08 00WP2	5/16	5/16	1.32	.31	.85	.88
6382 60 00WP2	3/8	3/8	1.53	.35	.96	1.04
6382 56 60WP2	1/4	3/8	1.93	.51	1.12	1.42
6382 60 56WP2	3/8	1/4	1.26	.43	.71	1.04



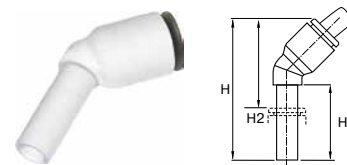
6382 Plug-In Elbow Metric Tube to Stem

Part No.	Tube 1 Size (mm)	Tube 2 Size (mm)	H	H1	H2	L
6382 04 00WP2	4	4	23.00	6.00	15.50	15.00
6382 06 00WP2	6	6	26.50	7.00	17.00	17.00
6382 08 00WP2	8	8	33.00	8.00	21.50	22.50
6382 10 00WP2	10	10	39.00	9.50	24.50	26.50
6382 12 00WP2	12	12	44.50	10.00	27.00	31.00
6382 04 06WP2	4	6	26.50	7.00	17.00	16.50
6382 06 04WP2	6	4	25.00	7.00	15.50	17.00
6382 06 08WP2	6	8	33.50	8.00	21.50	22.50



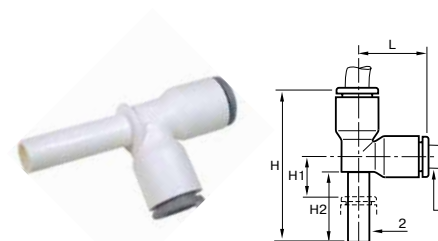
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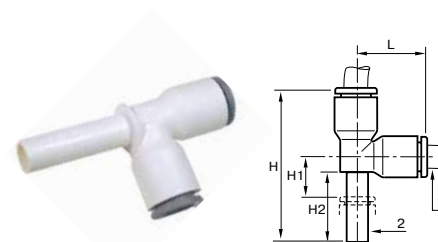
6380 Plug-in 45° Elbow Metric

Part Number	Tube Size (mm)	Stem Size (mm)	H	H1	H2
6380 04 00WP2	4	4	33.5	19.0	13.0
6380 06 00WP2	6	6	39.0	21.0	14.5
6380 08 00WP2	8	8	44.0	21.5	19.5
6380 10 00WP2	10	10	53.0	27.0	23.0
6380 12 00WP2	12	12	58.5	27.5	26.5



6383 Plug-In Run Tee Inch Tube to Stem

Part No.	Tube 1 Size (in)	Tube 2 Size (in)	H	H1	H2	L
6383 56 00WP2	1/4	1/4	1.20	.43	.71	.71
6383 60 00WP2	3/8	3/8	2.24	.43	.96	1.04
6383 62 00WP2	1/2	1/2	1.93	.71	1.12	1.42



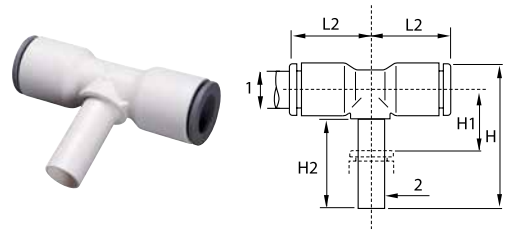
6383 Plug-In Run Tee Metric Tube to Stem

Part No.	Tube 1 Size (mm)	Tube 2 Size (mm)	H	H1	H2	L
6383 04 00WP2	4	4	33.00	6.00	15.50	15.00
6383 06 00WP2	6	6	38.50	7.00	17.00	18.00
6383 08 00WP2	8	8	49.00	8.00	21.50	23.00
6383 10 00WP2	10	10	57.00	10.50	25.50	26.50



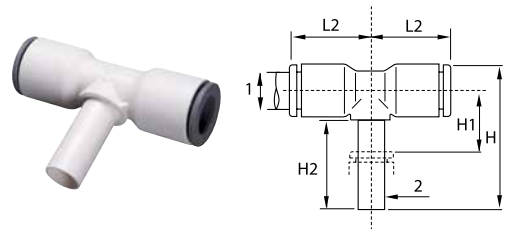
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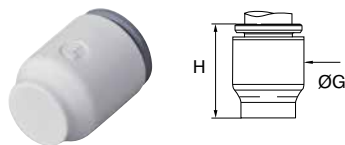
6388 Plug-In Tee Inch Tube to Stem

Part No.	Tube 1 Size (in)	Tube 2 Size (in)	H	H1	H2	L2
6388 56 00WP2	1/4	1/4	1.20	.43	.79	.71
6388 08 00WP2	5/16	5/16	1.32	.31	.85	.90
6388 60 00WP2	3/8	3/8	1.65	.49	.98	.98
6388 62 00WP2	1/2	1/2	2.01	.51	1.14	1.26



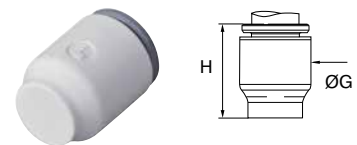
6388 Plug-In Tee Metric Tube to Stem

Part No.	Tube 1 Size (mm)	Tube 2 Size (mm)	H	H1	H2	L2
6388 04 00WP2	4	4	25.00	6.00	15.50	15.00
6388 06 00WP2	6	6	28.50	7.00	17.00	16.00
6388 08 00WP2	8	8	33.50	8.00	21.50	23.00
6388 10 00WP2	10	10	41.00	9.50	24.50	26.50



6351 End Stop Inch Tube

Part No.	Tube Size (in)	G	H
6351 04 00WP2	5/32	.33	.59
6351 56 00WP2	1/4	.43	.63
6351 08 00WP2	5/16	.53	.85
6351 60 00WP2	3/8	.63	.88



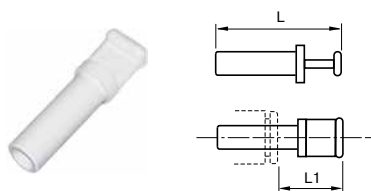
6351 End Stop Metric Tube

Part No.	Tube Size (mm)	G	H
6351 04 00WP2	4	8.50	15.00
6351 06 00WP2	6	10.50	17.00
6351 08 00WP2	8	13.50	21.50
6351 10 00WP2	10	16.00	22.00



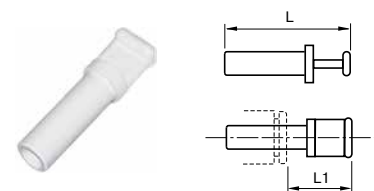
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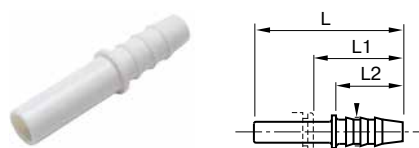
6326 Plug Inch

Part Number	Stem Size (in)	L	L1
6326 56 00WP2	1/4	1.44	.87
6326 08 00WP2	5/16	1.38	.69
6326 60 00WP2	3/8	1.67	.87
6326 62 00WP2	1/2	1.91	.85



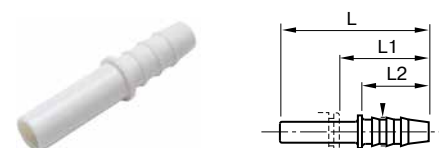
6326 Plug Metric

Part Number	Stem Size (mm)	L	L1
6326 04 00WP2	4	30	15.5
6326 06 00WP2	6	33	16.5
6326 08 00WP2	8	33	17.5



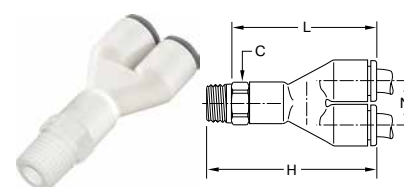
6322 Stem to Hose Barb Inch

Part Number	Stem Size (in)	Hose Barb	L	L1	L2
6322 56 56WP2	1/4	1/4	1.65	1.00	.67
6322 60 56WP2	3/8	1/4	1.97	1.16	.87
6322 60 08WP2	3/8	5/16	1.97	1.16	.87
6322 60 60WP2	3/8	3/8	1.97	1.16	.87
6322 62 60WP2	1/2	3/8	2.05	1.30	1.07



6322 Stem to Hose Barb Metric

Part Number	Stem Size (mm)	Hose Barb	L	L1	L2
6322 06 04WP2	6	4	37.0	25.0	17
6322 08 06WP2	8	6	39.5	21.0	17
6322 10 07WP2	10	7	50.0	29.5	22



6548 Swivel Y Connector Inch Tube to NPTF

Part Number	Tube Size (in)	NPTF	C Hex	L	H	N
6548 56 11WP2	1/4	1/8	1/2	1.59	.88	.45
6548 56 14WP2	1/4	1/4	1/2	1.59	.88	.45
6548 56 18WP2	1/4	3/8	3/4	1.62	.88	.45
6548 60 14WP2	3/8	1/4	3/4	2.24	1.30	.66
6548 60 18WP2	3/8	3/8	3/4	2.24	1.30	.66
6548 62 18WP2	1/2	3/8	15/16	2.80	1.78	.91
6548 62 22WP2	1/2	1/2	15/16	2.84	1.78	.91



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LIQUIfit Polypropylene Ball Valves

This range of valves offers an innovative solution in the treatment of water and the handling of beverages while protecting health. LIQUIfit's corrosion-resistant, all plastic design makes them ideal for water filtration units, coffee and beverage machines and a wide variety of other fluid applications. The polypropylene material meets all FDA and NSF-51 requirements for food contact.

Features/Benefits:

- Full-flow self-cleaning ball maintains the cleanliness of the circuit
- Sealing technology using EPDM seal
- High temperature, scale-resistant Polysulfone ball
- Tube retention with gripping ring prevents pumping effect
- Push-in connection and disconnection
- FDA compliant

Specifications:

- Temperature range: +35° F to +200° F (+1° C to +93° C)
- O-ring seal material: EPDM
- NSF/ANSI 51 and NSF/ANSI/CAN 61
- Pressure rated to 150 psi

Advantages:

- Reduce costs – Built-in LIQUIfit connection eliminates the need for a secondary fitting
- Save space – Low profile design allows for easy assembly and access where space is at a premium.

Assembly Instructions:

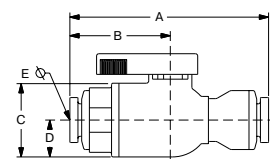
1. Inspect the mating threads for debris or damage. Remove any old fluoropolymer tape or sealant on previously used threads. If threads are damaged, replace with new adapter before proceeding.
2. Apply 2 to 3 wraps of fluoropolymer tape, or an NSF/FDA approved silicone sealant. Do not use Plumbers Putty or Pipe Dope. These chemically react with plastic materials and could cause a failure.
3. Align ball valve onto mating thread to ensure cross threading does not occur.
4. Screw ball valve onto mating thread 3 to 5 turns. This should be sufficient to properly seal the threads.
5. Pressurize system and check for leaks.

NOTE: PPL refers to Polypropylene. FCB refers to Fluorocarbon.



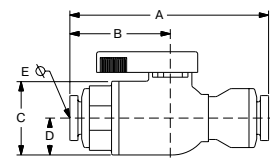
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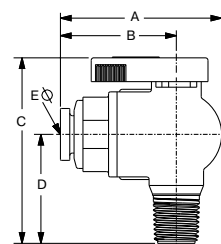
VUC - Valve Union Connector

Part No.	1 Tube Size	2 Tube Size	A	B	C	D	ØE Thru Hole Min.
LFPP4VUC4	1/4	1/4	2.23	1.07	1.00	.50	.19
LFPP4VUC6	1/4	3/8	2.50	1.07	1.00	.50	.19
LFPP6VUC6	3/8	3/8	2.74	1.32	1.00	.50	.25
LFPP8VUC8	1/2	1/2	3.50	1.74	1.04	.52	.37



VUC - Valve Union Connector Metric

Part No.	1 Tube Size	2 Tube Size	A	B	C	D	ØE Thru Hole Min.
LFPP6MVUC6M	6	6	2.24	.27	.36	.13	.19
LFPP8MVUC8M	8	8	2.35	.27	.36	.13	.25
LFPP10MVUC10M	10	10	2.73	.33	.36	.13	.33
LFPP12MVUC12M	12	12	3.46	.43	.36	.13	.37



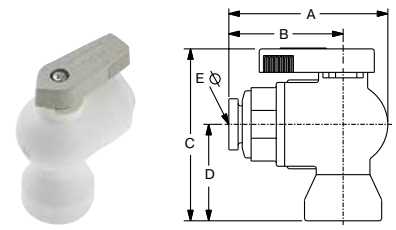
VME - Valve Male Elbow

Part No.	Nom. Tube O.D.	NPTF Thread Size	A	B	C	D	ØE Thru Hole Min.
LFPP4VME2	1/4	1/8	1.74	1.21	2.00	1.10	.19
LFPP4VME4	1/4	1/4	1.74	1.21	2.18	1.28	.19
LFPP4VME6	1/4	3/8	1.74	1.21	2.18	1.28	.19
LFPP4VME8	1/4	1/2	1.74	1.21	2.37	1.47	.19
LFPP6VME2	3/8	1/8	1.85	1.32	2.00	1.10	.25
LFPP6VME4	3/8	1/4	1.85	1.32	2.18	1.28	.25
LFPP6VME6	3/8	3/8	1.85	1.32	2.18	1.28	.25
LFPP6VME8	3/8	1/2	1.85	1.32	2.37	1.47	.25
LFPP8VME8	1/2	1/2	2.73	1.74	2.38	1.47	.37



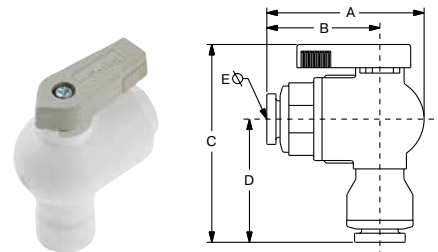
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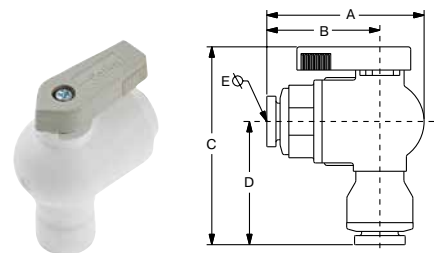
VFE - Valve Female Elbow

Part No.	Nom. Tube O.D.	NPTF Thread Size	A	B	C	D	ØE Thru Hole Min.
LFPP4VFE2	1/4	1/8	1.74	1.21	1.82	.92	.19
LFPP4VFE4	1/4	1/4	1.74	1.21	2.05	1.15	.19
LFPP4VFE6	1/4	3/8	1.74	1.21	2.18	1.28	.19
LFPP6VFE2	3/8	1/8	1.85	1.32	1.82	.92	.25
LFPP6VFE4	3/8	1/4	1.85	1.32	2.05	1.15	.25
LFPP6VFE6	3/8	3/8	1.85	1.32	2.18	1.28	.25



VEU - Valve Elbow Union

Part No.	1 Tube Size	2 Tube Size	A	B	C	D	ØE Thru Hole Min.
LFPP4VEU4	1/4	1/4	1.75	1.22	2.33	1.42	.19
LFPP4VEU6	1/4	3/8	1.75	1.22	2.33	1.42	.19
LFPP6VEU4	3/8	1/4	1.83	1.30	2.32	1.40	.19
LFPP6VEU6	3/8	3/8	1.85	1.32	2.34	1.44	.25



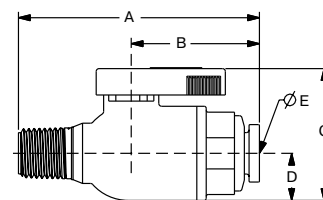
VEU - Valve Elbow Union Metric

Part No.	1 Tube Size	2 Tube Size	A	B	C	D	ØE Thru Hole Min.
LFPP6MVEU6M	6	6	.41	.27	.55	.31	.19
LFPP8MVEU8M	8	8	.41	.28	.56	.33	.25
LFPP10MVEU10M	10	10	.48	.33	.61	.38	.33



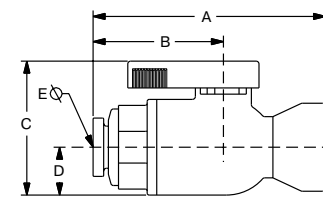
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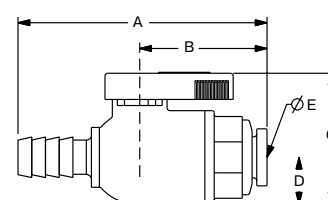
VMC - Valve Male Connector

Part No.	Nom. Tube O.D.	NPTF Thread Size	A	B	C	D	ØE Thru Hole Min.
LFPP4VMC2	1/4	1/8	2.22	1.21	1.40	.50	.19
LFPP4VMC4	1/4	1/4	2.40	1.21	1.40	.50	.19
LFPP4VMC6	1/4	3/8	2.40	1.21	1.40	.50	.19
LFPP4VMC8	1/4	1/2	2.59	1.21	1.40	.50	.19
LFPP6VMC2	3/8	1/8	2.33	1.32	1.40	.50	.25
LFPP6VMC4	3/8	1/4	2.51	1.32	1.40	.50	.25
LFPP6VMC6	3/8	3/8	2.51	1.32	1.40	.50	.25
LFPP6VMC8	3/8	1/2	2.70	1.32	1.40	.50	.25
LFPP8VMC8	1/2	1/2	3.14	1.74	1.40	.50	.37



VFC - Valve Female Connector

Part No.	Nom. Tube O.D.	NPTF Thread Size	A	B	C	D	ØE Thru Hole Min.
LFPP4VFC2	1/4	1/8	2.04	1.21	1.40	.50	.19
LFPP4VFC4	1/4	1/4	2.27	1.21	1.40	.50	.19
LFPP4VFC6	1/4	3/8	2.40	1.21	1.40	.50	.19
LFPP6VFC2	3/8	1/8	2.15	1.32	1.40	.50	.25
LFPP6VFC4	3/8	1/4	2.38	1.32	1.40	.50	.25
LFPP6VFC6	3/8	3/8	2.51	1.32	1.40	.50	.25



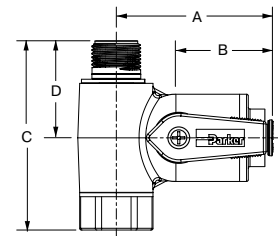
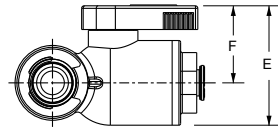
VUCPB - Valve Union Connector Barbed x Tube

Part No.	Hose ID	Tube OD	OD	A	B	C	D	ØE Thru Hole Min.
LFPP4VUCPB4	1/4	1/4	.31	2.40	1.08	1.42	.50	.15
LFPP6VUCPB6	3/8	3/8	.43	2.63	1.32	1.42	.50	.19



WARNING

These products can expose you to chemicals including CARBON BLACK, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



VAS - Valve Angle Stop

Part No.	Tube OD	Male Thd.	Female Thd.	A	B	C	D	E	F
LFPP4VAS6	1/4	3/8	3/8	1.79	1.11	2.17	1.11	1.40	.90
LFPP4VAS8	1/4	3/8	1/2	1.79	1.11	2.40	1.11	1.40	.90
LFPP6VAS6	3/8	3/8	3/8	2.03	1.35	2.17	1.11	1.40	.90
LFPP6VAS8	3/8	3/8	1/2	2.03	1.35	2.40	1.11	1.40	.90

Do not use thread sealant. Do not over tighten.

VAS Assembly Instructions:

1. Shut off water supply at brass/chrome supply valve.

Disconnect riser from brass/chrome supply valve.

Ensure that the sealing gasket is fully seated into the Angle Stop Valve female thread.



2. Install Angle Stop Adapter Valve on supply valve. Connect the riser to the Angle Stop Adapter Valve.

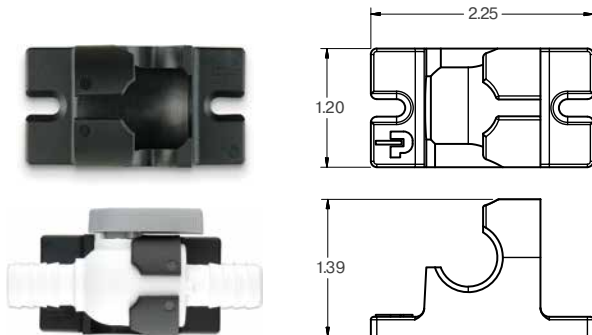


3. Fully insert tubing into the side of the valve. Open valves and check for leaks.



BVC Ball Valve Clip

BV-Clip Shown below holding VUCPB and VME



WARNING

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TRUESEAL™ FITTINGS



Parker's TrueSeal Fittings are lightweight, field attachable and connect to tubing without the use of tools. These all plastic push-to-connect fittings are manufactured from FDA compliant materials.

Product Features:

- Acetal and Black Polypropylene (EPDM seals and metal gripping collet standard)
- White Polypropylene (EPDM seals and plastic gripping collet standard)
- Black Kynar (Fluorocarbon (FKM) seals and black kynar metal gripping collet standard)
- Gripping ring with stainless steel bite edge or with an engineered thermoplastic bite edge
- FDA compliant, NSF/ANSI 51
- Gray acetal and Black Polypropylene NSF/ANSI/CAN 61

Markets:

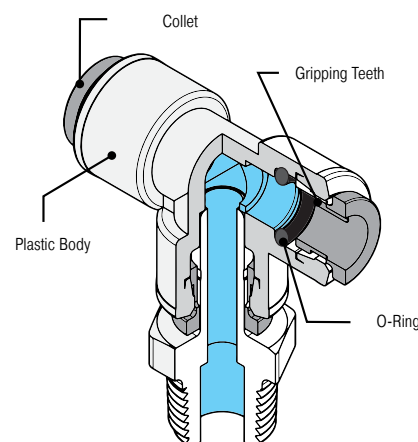
- Food
- Chemical
- Potable Water
- Filtration

Applications:

- Air
- Water
- Soft Drinks
- Beer
- Wine
- Dyes
- Vacuum

Compatible Tubing:

- Polyethylene
- Polypropylene**
- Nylon**
- Vinyl⁺
- Fluoropolymer**
- Polyurethane⁺
- *Kynar®



Specifications:

Pressure Range

Acetal and Kynar: 1/4", 5/16", 3/8" Vacuum to 300 PSI (20.7 bar)
1/2" Vacuum to 250 PSI (17.2 bar)

Polypropylene: 1/4", 3/8", 1/2" Vacuum to 150 PSI (10.3 bar)

*Vacuum rating to 28 inches of Hg at room temperature

Temperature Range

Acetal: -20° to +180° F (-28.9° to +82.2° C)

Polypropylene: 0° to +225° F (-17.8° to +107.2° C)

Kynar: 0° to +275° F (-17.8° to +135° C)

* Registered trademark of The Arkema Group.

** Metal gripper required (-MG & -HBLK suffix)

⁺ Tube Support required.



WARNING

These products can expose you to chemicals including CARBON BLACK, which is known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

TRUESEAL™ FITTINGS

Assembly Instructions

1. Cut tubing square and clean.
(Use a Parker plastic tube cutter, Part No. PTC.)
2. Mark from end of tube length of insertion (see table below).
3. Push tube into the fitting until it bottoms out.
4. To remove, depress collet and pull tubing out.

For Threaded Connections:

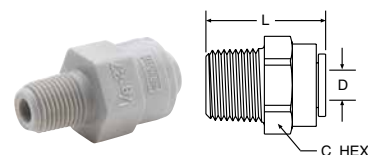
1. Inspect the mating threads for debris or damage. Remove any old fluoropolymer tape or sealant on previously used threads. If threads are damaged, replace with new adapter before proceeding.
2. Apply 1 to 2 wraps of Teflon tape to the male pipe threads, or an NSF/FDA approved silicon sealant. Do not use plumbers putty or pipe dope. These chemically react with plastic materials and could cause a failure.
3. Screw together until finger tight (approximately three turns)
4. To ensure seal continue 1 to 2 more turns past finger tight.
5. Total number of turns from start to finish need not exceed 5 turns.

Tube Size	O.D. Tolerance	Insertion Depth
1/4	±.005	11/16
5/16	±.005	13/16
3/8	±.005	3/4
1/2	±.005	7/8



WARNING

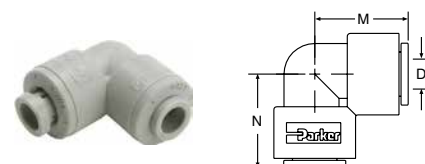
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MC - Male Connector Tube-to-Pipe

Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom Tube O.D.	NPTF Thd Size	C Hex	L Overall Length	Flow Dia. D
A4MC2-MG	PPB4MC2-MG	PP4MC2	FB4MC2-HBLK	1/4	1/8	11/16	1.28	.175
A4MC4-MG	PPB4MC4-MG	PP4MC4	FB4MC4-HBLK	1/4	1/4	11/16	1.14	.175
A4MC6-MG	PPB4MC6-MG	PP4MC6	FB4MC6-HBLK	1/4	3/8	11/16	1.18	.175
A5MC2-MG			FB5MC2-HBLK	5/16	1/8	13/16	1.46	.175
A5MC4-MG			FB5MC4-HBLK	5/16	1/4	13/16	1.41	.188
A5MC6-MG			FB5MC6-HBLK	5/16	3/8	13/16	1.27	.188
A6MC2-MG		PP6MC2	FB6MC2-HBLK	3/8	1/8	13/16	1.46	.175
A6MC4-MG	PPB6MC4-MG	PP6MC4	FB6MC4-HBLK	3/8	1/4	13/16	1.41	.250
A6MC6-MG	PPB6MC6-MG	PP6MC6	FB6MC6-HBLK	3/8	3/8	13/16	1.27	.250
A6MC8-MG			FB6MC8-HBLK	3/8	1/2	15/16	1.45	.250
A8MC6-MG	PPB8MC6-MG	PP8MC6	FB8MC6-HBLK	1/2	3/8	15/16	1.65	.360
A8MC8-MG	PPB8MC8-MG	PP8MC8	FB8MC8-HBLK	1/2	1/2	15/16	1.46	.375

For nonstandard plastic collet, remove -MG suffix.



EU - Elbow Union Tube-to-Tube

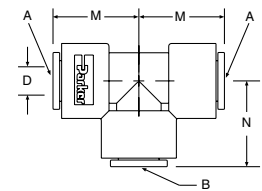
Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	M	N	Flow Dia. D
A4EU4-MG	PPB4EU4-MG	PP4EU4	FB4EU4-HBLK	1/4	.87	.87	.175
A5EU4-MG				5/16-1/4	1.052	.90	.175
A5EU5-MG			FB5EU5-HBLK	5/16	1.02	1.02	.188
A6EU4-MG	PPB6EU4-MG	PP6EU4	FB6EU4-HBLK	3/8-1/4	1.02	.90	.212
A6EU5-MG				3/8-5/16	1.02	1.02	.175
A6EU6-MG	PPB6EU6-MG	PP6EU6	FB6EU6-HBLK	3/8	1.02	1.02	.250
A8EU6-MG	PPB8EU6-MG			1/2-3/8	1.20	1.20	.250
A8EU8-MG	PPB8EU8-MG	PP8EU8	FB8EU8-HBLK	1/2	1.20	1.20	.375

For nonstandard plastic collet, remove -MG suffix.



WARNING

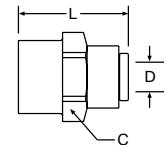
These products can expose you to chemicals including CARBON BLACK, which is known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



TU - Tee Union Tube-to-Tube

Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.		M	N	Flow Dia. D
				Tube A Run	Tube B Stem			
A4TU4-MG	PPB4TU4-MG	PP4TU4	FB4TU4-HBLK	1/4	1/4	.81	.85	.175
A5TU5-MG			FB5TU5-HBLK	5/16	5/16	1.02	1.02	.188
A6TU4-MG	PPB6TU4-MG	PP6TU4	FB6TU4-HBLK	3/8	1/4	1.02	1.03	.175
A6TU6-MG	PPB6TU6-MG	PP6TU6	FB6TU6-HBLK	3/8	3/8	1.02	1.02	.290
A8TU8-MG	PPB8TU8-MG	PP8TU8	FB8TU8-HBLK	1/2	1/2	1.20	1.20	.375

For nonstandard plastic collet, remove -MG suffix.



FA - Faucet Adapter Tube-to-Faucet

Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	UNS-2B Thd Size	C Hex	L Overall Length	Flow Dia. D
A4FA7-MG	PPB4FA7-MG	PP4FA7	FB4FA7-HBLK	1/4	7/16-24	23/32	1.32	.190
A5FA7-MG				5/16	7/16-24	13/16	1.41	.190
A6FA7-MG	PPB6FA7-MG	PP6FA7	FB6FA7-HBLK	3/8	7/16-24	13/16	1.41	.190

For nonstandard plastic collet, remove -MG suffix.



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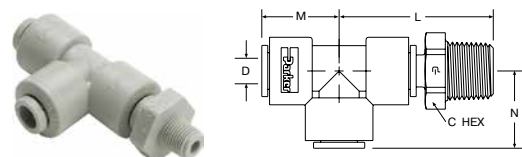


MES - Male Elbow Swivel Tube-to-Pipe

Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	NPTF Thd Size	C Hex	M	N	Flow Dia. D
A4MES2-MG	PPB4MES2-MG	PP4MES2	FB4MES2-HBLK	1/4	1/8	9/16	.87	1.60	.175
A4MES4-MG	PPB4MES4-MG	PP4MES4	FB4MES4-HBLK	1/4	1/4	11/16	.87	1.71	.175
A4MES6-MG		PP4MES6	FB4MES6-HBLK	1/4	3/8	13/16	.90	1.91	.212
A5MES2-MG				5/16	1/8	9/16	1.02	1.78	.188
A5MES4-MG				5/16	1/4	11/16	1.02	1.90	.188
A5MES6-MG				5/16	3/8	13/16	1.02	1.90	.188
A6MES2-MG			FB6MES2-HBLK	3/8	1/8	9/16	1.02	1.65	.175
A6MES4-MG	PPB6MES4-MG	PP6MES4	FB6MES4-HBLK	3/8	1/4	13/16	1.02	1.90	.250
A6MES6-MG	PPB6MES6-MG	PP6MES6	FB6MES6-HBLK	3/8	3/8	13/16	1.02	1.90	.250
A8MES4-MG				1/2	1/4	13/16	1.20	2.10	.240
A8MES6-MG		PP8MES6		1/2	3/8	13/16	1.20	2.10	.375
A8MES8-MG		PP8MES8		1/2	1/2	1	1.20	2.32	.375

* Part consists of elbow union and tube stem adaptor.

Note: Assemblies with metal gripper collets are permanent. Assemblies with plastic collets can be taken apart.



MRS - Male Run Tee Swivel Tube-to-Pipe

Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	NPTF Thd Size	C Hex	L	M	N	D Thru Hole Min.
A4MRS2-MG	PPB4MRS2	PP4MRS2	FB4MRS2-HBLK	1/4	1/8	9/16	1.55	.81	0.85	.175
A4MRS4-MG	PPB4MRS4-MG	PP4MRS4	FB4MRS4-HBLK	1/4	1/4	11/16	1.67	.81	0.85	.175
A5MRS2-MG				5/16	1/8	9/16	1.78	1.02	1.02	.188
A5MRS4-MG				5/16	1/4	11/16	1.90	1.02	1.02	.188
A5MRS6-MG				5/16	3/8	13/16	1.90	1.02	1.02	.188
A6MRS4-MG	PPB6MRS4-MG	PP6MRS4	FB6MRS4-HBLK	3/8	1/4	13/16	1.90	1.02	1.02	.250
A6MRS6-MG	PPB6MRS6-MG	PP6MRS6	FB6MRS6-HBLK	3/8	3/8	13/16	1.90	1.02	1.02	.250
A8MRS4-MG				1/2	1/4	13/16	2.10	1.20	1.20	.240
A8MRS6-MG		PP8MRS6		1/2	3/8	13/16	2.10	1.20	1.20	.375
A8MRS8-MG		PP8MRS8		1/2	1/2	1	2.32	1.20	1.20	.375

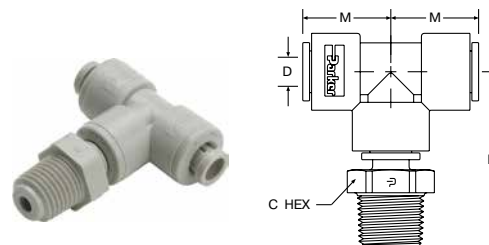
*Part consists of tee union and tube stem adaptor.

Note: Assemblies with metal gripper collets are permanent. Assemblies with plastic collets can be taken apart.



WARNING

These products can expose you to chemicals including CARBON BLACK, which is known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



MTS - Male Tee Swivel Tube-to-Pipe

Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	NPTF Thd Size	C Hex	M	N	Flow Dia. D
A4MTS2-MG	PPB4MTS2	PP4MTS2	FB4MTS2-HBLK	1/4	1/8	9/16	.81	1.60	.175
A4MTS4-MG	PPB4MTS4-MG	PP4MTS4	FB4MTS4-HBLK	1/4	1/4	11/16	.81	1.71	.175
A5MTS2-MG				5/16	1/8	9/16	1.02	1.78	.188
A5MTS4-MG				5/16	1/4	11/16	1.02	1.90	.188
A5MTS6-MG				5/16	3/8	13/16	1.02	1.90	.188
A6MTS2-MG			FB6MTS2-HBLK	3/8	1/8	9/16	1.02	1.75	.175
A6MTS4-MG	PPB6MTS4-MG	PP6MTS4	FB6MTS4-HBLK	3/8	1/4	13/16	1.02	1.90	.250
A6MTS6-MG	PPB6MTS6-MG	PP6MTS6	FB6MTS6-HBLK	3/8	3/8	13/16	1.02	1.90	.250
A8MTS4-MG				1/2	1/4	13/16	1.20	2.10	.240
A8MTS6-MG		PP8MTS6		1/2	3/8	13/16	1.20	2.10	.375
A8MTS8-MG		PP8MTS8		1/2	1/2	1	1.20	2.32	.375

* Part consists of tee union and tube stem adaptor.

Note: Assemblies with metal gripper collets are permanent. Assemblies with plastic collets can be taken apart.



UC - Union Connector Tube-to-Tube

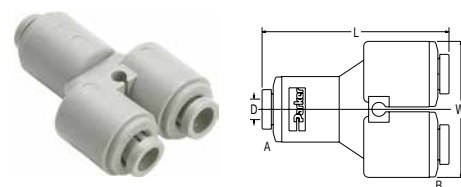
Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	L Overall Length	Flow Dia. D
A4UC4-MG	PPB4UC4-MG	PP4UC4	FB4UC4-HBLK	1/4	1.49	.175
A5UC4-MG				5/16-1/4	1.70	.175
A5UC5-MG			FB5UC5-HBLK	5/16	1.70	.188
A6UC4-MG	PPB6UC4-MG	PP6UC4	FB6UC4-HBLK	3/8-1/4	1.70	.175
A6UC5-MG				3/8-5/16	1.70	.188
A6UC6-MG	PPB6UC6-MG	PP6UC6	FB6UC6-HBLK	3/8	1.70	.250
A8UC5-MG				1/2-5/16	1.90	.188
A8UC6-MG	PPB8UC6-MG	PP8UC6	FB8UC6-HBLK	1/2-3/8	1.90	.250
A8UC8-MG	PPB8UC8-MG	PP8UC8	FB8UC8-HBLK	1/2	1.91	.375

For nonstandard plastic collet, remove -MG suffix.



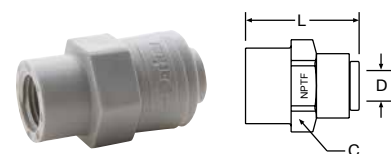
WARNING

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WY - “Y” Union Tube-to-Tube

Gray Acetal EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.		L	W	Flow Dia. D
		Inlet Tube A Run	Outlet Tube B Stem			
	FB4WY4-HBLK	1/4	1/4	2.100	1.43	.190
A5WY5-MG	FB5WY5-HBLK	5/16	5/16	2.250	1.75	.190
A6WY4-MG	FB6WY4-HBLK	3/8	1/4	2.100	1.43	.190
A6WY5-MG		3/8	5/16	2.200	1.75	.190
A6WY6-MG	FB6WY6-HBLK	3/8	3/8	2.175	1.75	.250
	FB8WY6-HBLK	1/2	3/8	2.370	1.93	.250
	FB8WY8-HBLK	1/2	1/2	2.370	1.93	.380



FC - Female Connector Tube-to-Pipe

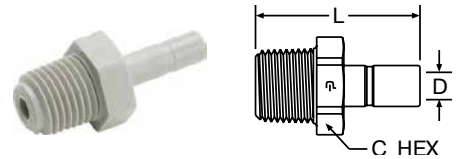
Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	NPTF Thd Size	C Hex	L Overall Length	Flow Dia. D
A4FC2-MG	PPB4FC2-MG	PP4FC2	FB4FC2-HBLK	1/4	1/8	11/16	1.20	.175
A4FC4-MG	PPB4FC4-MG	PP4FC4	FB4FC4-HBLK	1/4	1/4	23/32	1.32	.175
A5FC4-MG			FB5FC4-HBLK	5/16	1/4	13/16	1.41	.188
A5FC6-MG				5/16	3/8	1	1.50	.188
A6FC4-MG	PPB6FC4-MG	PP6FC4	FB6FC4-HBLK	3/8	1/4	13/16	1.41	.250
A6FC6-MG	PPB6FC6-MG	PP6FC6	FB6FC6-HBLK	3/8	3/8	1	1.50	.250
A6FC8-MG			FB6FC8-HBLK	3/8	1/2	1-1/8	1.52	.250
A8FC6-MG		PP8FC6	FB8FC6-HBLK	1/2	3/8	1-1/8	1.60	.375
A8FC8-MG		PP8FC8	FB8FC8-HBLK	1/2	1/2	1-1/8	1.75	.375

For nonstandard plastic collet, remove -MG suffix.



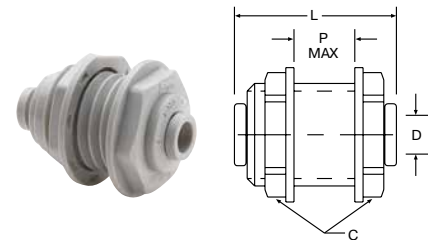
WARNING

These products can expose you to chemicals including CARBON BLACK, which is known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



TMC - Tube Stem Adapter Tube Stem-to-Pipe

Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	NPTF Thd Size	C Hex	L Overall Length	Flow Dia. D
A4TMC2	PPB4TMC2	PP4TMC2	FB4TMC2	1/4	1/8	9/16	1.44	.175
A4TMC4	PPB4TMC4	PP4TMC4	FB4TMC4	1/4	1/4	11/16	1.56	.175
A5TMC2				5/16	1/8	9/16	1.5	.188
A5TMC4			FB5TMC4	5/16	1/4	11/16	1.67	.188
A5TMC6				5/16	3/8	13/16	1.67	.188
A6TMC4	PPB6TMC4	PP6TMC4	FB6TMC4	3/8	1/4	13/16	1.70	.250
A6TMC6	PPB6TMC6	PP6TMC6	FB6TMC6	3/8	3/8	13/16	1.70	.250
A6TMC8				3/8	1/2	15/16	1.90	.250
A8TMC4				1/2	1/4	13/16	1.82	.240
A8TMC6		PP8TMC6	FB8TMC6	1/2	3/8	13/16	1.82	.375
A8TMC8		PP8TMC8	FB8TMC8	1/2	1/2	1	2.04	.375



BU - Bulkhead Union Tube-to-Tube

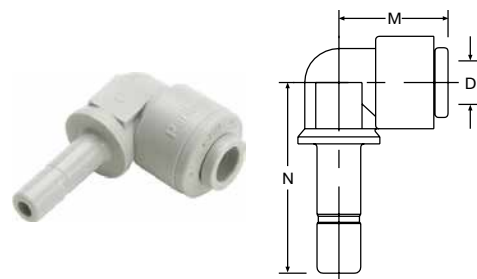
Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	C1 Hex	C2 Hex	L Overall Length	P Max. Wall Thick-ness	Flow Dia. D	Bkhd Hole Drill Size
A4BU4-MG	PPB4BU4-MG	PP4BU4	FB4BU4-HBLK	1/4	15/16	15/16	1.50	.50	.175	7/8
A5BU5-MG			FB5BU5-HBLK	5/16	1-1/16	1-1/16	1.75	.62	.188	1
A6BU4-MG	PPB6BU4-MG	PP6BU4	FB6BU4-HBLK	3/8-1/4	1-1/16	1-1/16	1.75	.62	.175	1
A6BU6-MG	PPB6BU6-MG	PP6BU6	FB6BU6-HBLK	3/8	1-1/16	1-1/16	1.75	.62	.250	1
A8BU8-MG			FB8BU8-HBLK	1/2	1-1/4	1-1/4	2.04	.70	.375	1-1/8

For nonstandard plastic collet, remove -MG suffix.



WARNING

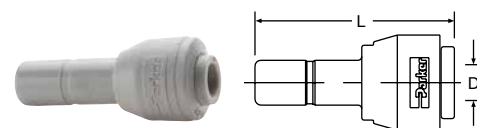
These products can expose you to chemicals including CARBON BLACK, which is known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



TEU - Tube Elbow Union Tube-to-Tube Stem

Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	Tube Stem O.D.	M	N	Flow Dia. D
A4TEU4-MG	PPB4TEU4-MG	PP4TEU4	FB4TEU4-HBLK	1/4	1/4	.84	1.21	.125
A4TEU6-MG			FB4TEU6-HBLK	1/4	3/8	.84	1.35	.125
A5TEU5-MG			FB5TEU5-HBLK	5/16	5/16	1.03	1.40	.188
A6TEU4-MG			FB6TEU4-HBLK	3/8	1/4	1.03	1.29	.125
A6TEU6-MG	PPB6TEU6	PP6TEU6	FB6TEU6-HBLK	3/8	3/8	1.03	1.48	.250
A8TEU8-MG	PPB8TEU8-MG	PP8TEU8	FB8TEU8-HBLK	1/2	1/2	1.21	1.64	.380

For nonstandard plastic collet, remove -MG suffix.



RD - Tube Reducer Tube-to-Tube Stem

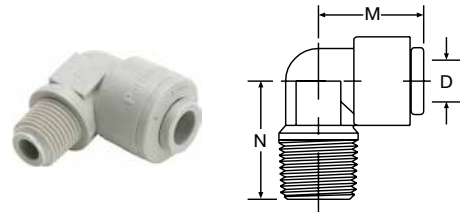
Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	Tube Stem O.D.	L	Flow Dia. D
A4RD5-MG		PP4RD5		1/4	5/16	1.62	.18
A4RD6-MG	PPB4RD6-MG	PP4RD6	FB4RD6-HBLK	1/4	3/8	1.62	.18
A5RD6-MG				5/16	3/8	1.78	.25
A5RD8-MG				5/16	1/2	1.90	.25
A6RD8-MG			FB6RD8-HBLK	3/8	1/2	1.90	.25

For nonstandard plastic collet, remove -MG suffix.



WARNING

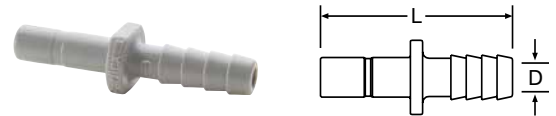
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ME - Male Elbow Tube-to-Pipe

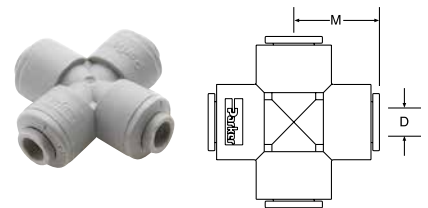
Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	NPTF Thd Size	M	N	Flow Dia. D
A4ME2-MG	PPB4ME2-MG	PP4ME2	FB4ME2-HBLK	1/4	1/8	.84	.94	.175
A4ME4-MG	PPB4ME4-MG	PP4ME4	FB4ME4-HBLK	1/4	1/4	.84	.94	.175
A4ME6-MG	PPB4ME6-MG	PP4ME6	FB4ME6-HBLK	1/4	3/8	.84	1.04	.175
A5ME4-MG			FB5ME4-HBLK	5/16	1/4	1.03	1.08	.175
A5ME6-MG			FB5ME6-HBLK	5/16	3/8	1.03	1.06	.188
A6ME4-MG		PP6ME4	FB6ME4-HBLK	3/8	1/4	1.03	1.08	.250
A6ME6-MG	PPB6ME6-MG	PP6ME6	FB6ME6-HBLK	3/8	3/8	1.03	1.06	.250

For nonstandard plastic collet, remove -MG suffix.



TCB - Tube-to-Barb Connector

Gray Acetal	Black PPL EPDM Seal	White Polypropylene	Black Kynar FKM Seal	Tube Stem O.D.	Tube I.D.	L Overall Length	Flow Dia. D
A4TCB4	PPB4TCB4	PP4TCB4	FB4TCB4	1/4	1/4	1.67	.140
A6TCB4			FB6TCB4	3/8	1/4	1.82	.140
A6TCB6	PPB6TCB6	PP6TCB6	FB6TCB6	3/8	3/8	1.98	.250
A8TCB6				1/2	3/8	2.10	.250
A8TCB8			FB8TCB8	1/2	1/2	2.10	.375



CU - Cross Union Tube-to-Tube

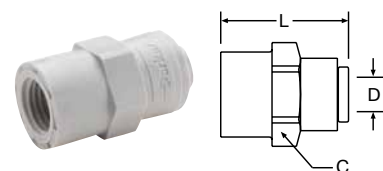
Gray Acetal EPDM Seal	Black Kynar FCB Seal	Nom. Tube O.D.	M	Flow Dia. D
A4CU4-MG		1/4	.91	.175
A6CU6-MG	FB6CU6-HBLK	3/8	1.08	.250

For nonstandard plastic collet, remove -MG suffix.



WARNING

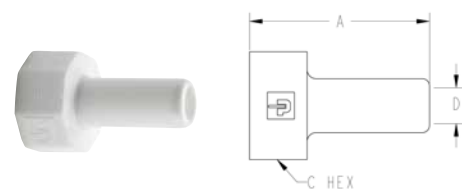
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FF - 45° Female Flare Tube-to-Flare

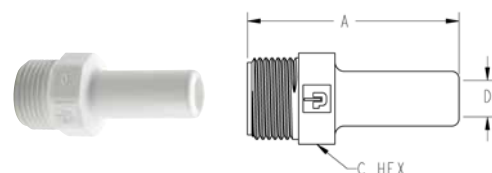
Gray Acetal EPDM Seal	White PPL EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	UNF-2B Thd Size	C Hex	L Overall Length	Flow Dia. D
A4FF4-MG	PP4FF4	FB4FF4-HBLK	1/4	7/16-20	23/32	1.32	.190
A6FF4-MG		FB6FF4-HBLK	3/8	7/16-20	13/16	1.41	.190
A6FF6-MG	PP6FF6	FB6FF6-HBLK	3/8	5/8-18	1	1.50	.250

For nonstandard plastic collet, remove -MG suffix.



TFA - Tube Faucet Adapter (Female Thread)

White Acetal	Tube Stem O.D.	Thd Size	A	C Hex	D Min.
AW6TFA7-MG	3/8	7/16-24	1.25	.69	.17
AW6TFA8-MG	3/8	1/2-14 NPSM	1.45	1.06	.22
AW6TFA9-MG	3/8	9/16-24	1.25	.75	.22



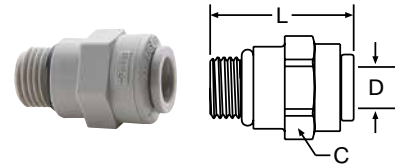
TAF - Tube Faucet Adapter (Male Thread)

White Acetal	Tube Stem O.D.	Thd Size	A	C Hex	D Min.
AW6TAF7-MG	3/8	7/16-24	1.41	.50	.22
AW6TAF8-MG	3/8	1/2-14 NPSM	1.65	.88	.22
AW6TAF9-MG	3/8	9/16-24	1.45	.63	.22



WARNING

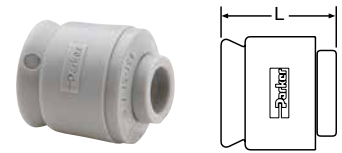
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ST - Straight Thread Tube-to-Male O-Ring Boss

Gray Acetal EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	UNF-2B Thd Size	C Hex	L Overall Length	Flow Dia. D
A6ST9-MG	FB6ST9-HBLK	3/8	9/16-18	13/16	1.39	.250

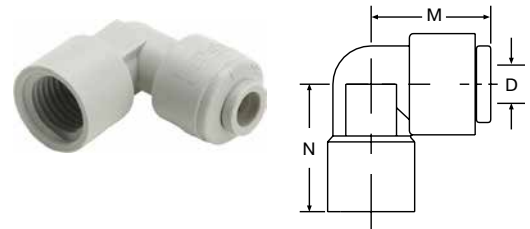
For nonstandard plastic collet, remove -MG suffix.



CAP - Tube Cap

Gray Acetal EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	Nom. Tube O.D.	L Overall Length
A4CAP-MG	PP4CAP	FB4CAP-HBLK	1/4	.77
A6CAP-MG	PP6CAP		3/8	0.88

For nonstandard plastic collet, remove -MG suffix.



FE - Female Elbow Tube-to-Pipe

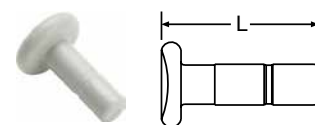
Gray Acetal EPDM Seal	Black Kynar FKM Seal	Nom. Tube O.D.	NPTF Thd Size	M	N	Flow Dia. D
A4FE4-MG	FB4FE4-HBLK	1/4	1/4	.84	1.00	.18
A6FE4-MG	FB6FE4-HBLK	3/8	1/4	1.03	1.00	.25
A6FE6-MG	FB6FE6-HBLK	3/8	3/8	1.03	1.00	.25

For nonstandard plastic collet, remove -MG suffix.



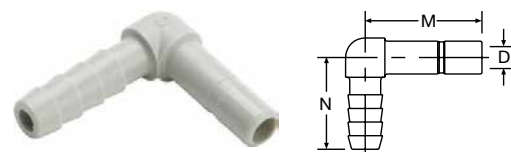
WARNING

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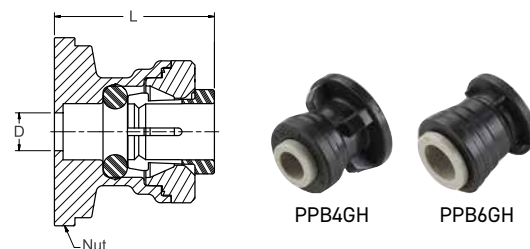
TPL - Plug

Gray Acetal	Black PPL	White PPL	Black Kynar	Fitting Size	L Overall Length
A4TPL	PPB4TPL	PP4TPL	FB4TPL	1/4	0.88
A6TPL	PPB6TPL	PP6TPL	FB6TPL	3/8	1.45
A8TPL	PPB8TPL	PP8TPL	FB8TPL	1/2	1.50



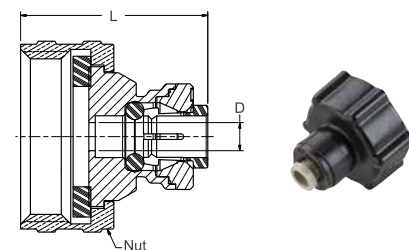
TEB - Tube Elbow Barb Connector

Gray Acetal	White Polypropylene	Black Kynar	Tube Stem O.D.	Tube I.D.	M	N	Flow Dia. D
A4TEB4	PP4TEB4	FB4TEB4	1/4	1/4	.89	1.00	.140
A6TEB4	PP6TEB4	FB6TEB4	3/8	1/4	1.335	1.055	.375
A6TEB6	PP6TEB6	FB6TEB6	3/8	3/8	1.34	1.21	.250
A8TEB8		FB8TEB8	1/2	1/2	1.30	1.30	.390



GH Garden Hose Adapter

Black PPL EPDM Seal	Nom. Tube O.D.	Nut	L	Flow Dia. D
PPB6GH-MG	3/8	.87	.90	.25
PPB4GH-MG	1/4	.87	.74	.18



GH Garden Hose Threaded Adapter

Black PPL EPDM Seal	Nom. Tube O.D.	Thd Size	Nut	L	Flow Dia. D
PPB4GH12-MG	1/4	3/4-11 1/2	1.15	1.16	.18
PPB6GH12-MG	3/8	3/4-11 1/2	1.15	1.32	.25



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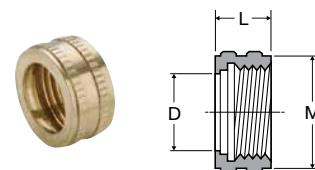
Complementary Garden Hose Products



Rubber Garden Hose Coupling Washer 30GH

Part No.	Hose Thread
30GH-12	3/4

NOTE: All female connector ends should have this rubber washer



Knurled Hose Nut 94GH

Part No.	Hose Thread	L	M	Flow Dia. D
94GH-12	3/4	.57	1.15	.808
94GH-12G	3/4 BSP	.57	1.15	.808



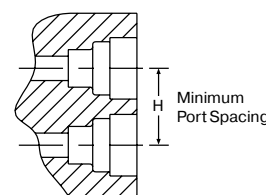
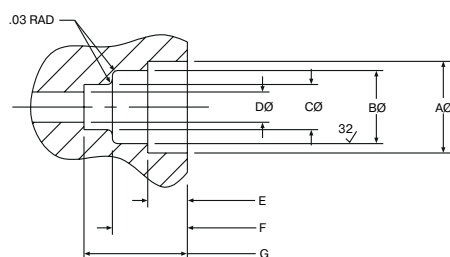
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TSC - Cartridge Insert

Part No. with EPDM Seal	Nom. Tube O.D.	A* Diameter ± 002	B Diameter ± 003	C Diameter ± 003	D Diameter maximum	E Depth ± 002	F Depth ± 002	G Depth ± 002	H* Centerline of Ports Minimum
ATSC4-MG	1/4	.528	.421	.260	.19	.230	.435	.600	.670
ATSC6-MG	3/8	.632	.545	.385	.31	.280	.455	.705	.790
ATSC8-MG	1/2	.774	.668	.510	.41	.315	.510	.810	1.250



Parker TrueSeal™ Cartridge Inserts:

Allow you to machine or mold a tube connection into your equipment or components. By using cartridge inserts, you will reduce your material and assembly costs, reduce potential leak paths, and give your equipment a new, clean profile by eliminating the need for threaded connections. TSC Cartridge Inserts consist of 1 o-ring, 1 cartridge, and 1 collet.

*Cartridge inserts are rated at 150 PSI in ports dimensioned as above and having Noryl as the receiving material. Other materials may have different ratings and require different port dimensions. Consult the Fluid System Connectors Division when using polypropylene, unfilled polypropylene, ABS or Nylon.

NORYL® is a registered trademark of the General Electric Co.

Assembly Instructions:

1. Machine or mold the receiving orifice as per the above dimensions.
2. Place the cartridge insert squarely onto the prepared port opening making sure that the barbs of the cartridge are going into the hole and the lettering on the face of the cartridge is visible.
3. Using a rubber mallet or press, insert the cartridge into the first gland orifice until its face is flush with the top surface of the port.
4. Insert the o-ring into the cartridge and seat it evenly into the second gland orifice.
5. Insert the collet into the cartridge opening.
6. Insert tubing.

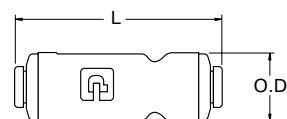


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TrueSeal Check Valves

Push-to-Connect check valves that ensures protection against reversal of flow. The valves have an arrow molded into the body to indicate the direction of flow. Valves are designed for connection with either thermoplastic or soft metal tubing and are intended for use with liquids only.



VC – Check Valve

Part No.	Tube Size	L	O.D.
A4VC4-MG	1/4	2.00	.66
A5VC5-MG	5/16	2.10	.70
A6VC6-MG	3/8	2.15	.80
A8VC8-MG	1/2	2.68	.91

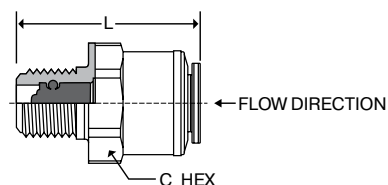
Materials of Construction

Body	Acetal
O-ring	EPDM
Metal Grip Edge	300 Stainless
Working Pressure	Up to 150 PSI (10.3 bar) depending on tubing being used
Temperature Range	+34° to +150° F (+1° to +65° C)
Cracking Pressure	1/3 PSI (0.02 bar)

PVDF Check Valves

Materials of Construction

Body	Kynar®
O-ring	Fluorocarbon
Metal Grip Edge	Stainless Steel
Working Pressure	Up to 300 PSI (20.7 bar)
Temperature Range	0° to +250° F (-17.8° to +121° C)



MCVC Kynar® Check Valves

Part No.	Tube O.D.	NPTF Thread	L	C Hex	Cracking Pressure (psi)
FB6MCVC4-HBLK-05	3/8	1/4	1.40	13/16	.5

Note: For check valve to function properly tubing needs to be installed



WARNING

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Polypropylene Ball Valves

For proven leak-free performance, specify Polypropylene Ball Valves. Their corrosion-resistant, all-plastic design makes them ideal for water filtration units, coffee and beverage machines and a wide variety of other fluid applications. Polypropylene material meets all FDA and NSF-51 requirements for food contact.

Features/Benefits:

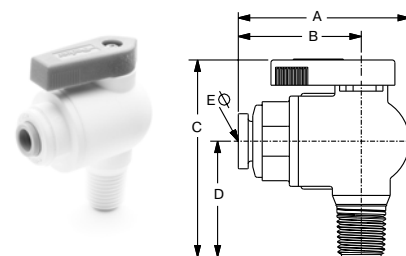
- Precision molded, all-plastic design is leak free and corrosion resistant.
- Polypropylene material offers a wider chemical acceptance range, as well as a wide temperature range.
- Bi-directional flow maximizes productivity.
- Full flow design reduces pressure drop across the valve.
- Special o-ring seal ensures a reliable leak-tight connection.
- TrueSeal™ connection reduces potential leaks.

Specifications:

- Temperature range: +35° to +200°F (+2° to +93°C)
- O-ring seal material: EPDM
- NSF/ANSI 51 and NSF/ANSI/CAN 61
- Pressure rated to 150 PSI (10.3 bar). Actual working pressures will be lower at elevated temperatures

Advantages:

- Reduce costs—Built-in TrueSeal™ connection eliminates the need for a secondary fitting.
- Save space—Low-profile design allows for easy assembly and access where space is at a premium.



VME - Valve Male Elbow

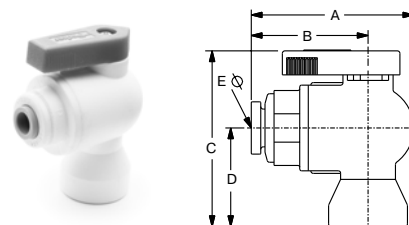
Part No.	Nom. Tube O.D.	NPTF Thd Size	A	B	C	D	ØE Thru Hole Min.
PP4VME2-MG (+)	1/4	1/8	1.74	1.21	2.00	1.10	.19
PP4VME4-MG	1/4	1/4	1.74	1.21	2.18	1.28	.19
PP4VME6-MG	1/4	3/8	1.74	1.21	2.18	1.28	.19
PP4VME8-MG (+)	1/4	1/2	1.74	1.21	2.37	1.47	.19
PP6VME2-MG (+)	3/8	1/8	1.85	1.32	2.00	1.10	.25
PP6VME4-MG	3/8	1/4	1.85	1.32	2.18	1.28	.25
PP6VME6-MG	3/8	3/8	1.85	1.32	2.18	1.28	.25
PP6VME8-MG	3/8	1/2	1.85	1.32	2.37	1.47	.25

(+) Non Standard.



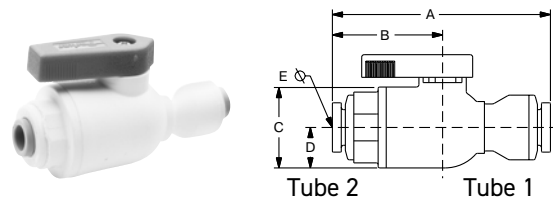
WARNING

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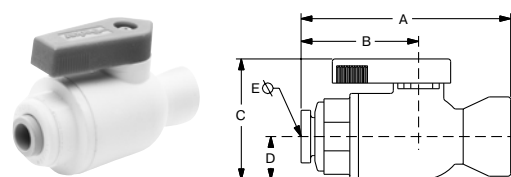
VFE - Valve Female Elbow

Part No.	Nom. Tube O.D.	NPTF Thd Size	A	B	C	D	ØE Thru Hole Min.
PP4VFE2-MG (+)	1/4	1/8	1.74	1.21	1.82	.92	.19
PP4VFE4-MG	1/4	1/4	1.74	1.21	2.05	1.15	.19
PP4VFE6-MG	1/4	3/8	1.74	1.21	2.18	1.28	.19
PP6VFE2-MG (+)	3/8	1/8	1.85	1.32	1.82	.92	.25
PP6VFE4-MG	3/8	1/4	1.85	1.32	2.05	1.15	.25
PP6VFE6-MG	3/8	3/8	1.85	1.32	2.18	1.28	.25



VUC - Valve Union Connector

Black Polypropylene	White Polypropylene	1 Tube Size	2 Tube Size	A	B	C	D	ØE Thru Hole Min.
PPB4VUC4-MG	PP4VUC4-MG	1/4	1/4	2.55	1.22	1.0	.5	.19
	PP4VUC6-MG	1/4	3/8	2.55	1.22	1.0	.5	.19
	PP6VUC4-MG	3/8	1/4	2.57	1.30	1.0	.5	.19
PPB6VUC6-MG	PP6VUC6-MG	3/8	3/8	2.67	1.32	1.4	.5	.25
	PP8VUC8-MG	1/2	1/2	2.94	1.55	1	.5	.38



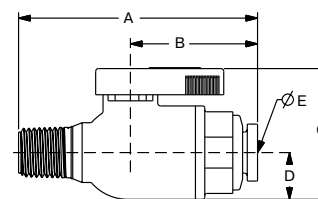
VFC - Valve Female Connector

Black Polypropylene	White Polypropylene	Nom. Tube O.D.	NPTF Thd Size	A	B	C	D	ØE Thru Hole Min.
	PP4VFC2-MG	1/4	1/8	2.04	1.21	1.4	.5	.19
	PP4VFC4-MG	1/4	1/4	2.27	1.21	1.4	.5	.19
	PP4VFC6-MG	1/4	3/8	2.40	1.21	1.4	.5	.19
PPB6VFC4-MG	PP6VFC4-MG	3/8	1/4	2.38	1.32	1.4	.5	.25
PPB6VFC6-MG	PP6VFC6-MG	3/8	3/8	2.51	1.32	1.4	.5	.25



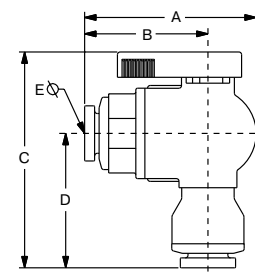
WARNING

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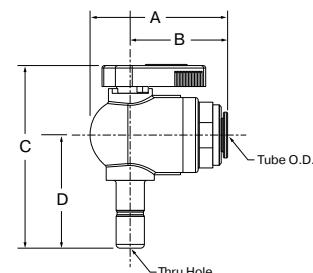
VMC - Valve Male Connector

Black Polypropylene	White Polypropylene	Nom. Tube O.D.	NPTF Thd Size	A	B	C	D	ØE Thru Hole Min.
	PP4VMC2-MG (+)	1/4	1/8	2.22	1.21	1.4	.5	.19
PPB4VMC4-MG	PP4VMC4-MG	1/4	1/4	2.40	1.21	1.4	.5	.19
	PP4VMC6-MG	1/4	3/8	2.40	1.21	1.4	.5	.19
	PP4VMC8-MG (+)	1/4	1/2	2.59	1.21	1.4	.5	.19
	PP6VMC2-MG (+)	3/8	1/8	2.33	1.32	1.4	.5	.25
	PP6VMC4-MG	3/8	1/4	2.51	1.32	1.4	.5	.25
	PP6VMC6-MG	3/8	3/8	2.51	1.32	1.4	.5	.25
	PP6VMC8-MG (+)	3/8	1/2	2.70	1.32	1.4	.5	.25



VEU - Valve Elbow Union

Black Polypropylene	White Polypropylene	1 Tube Size	2 Tube Size	A	B	C	D	ØE Thru Hole Min.
	PP4VEU4-MG	1/4	1/4	1.75	1.22	2.33	1.42	.19
	PP4VEU6-MG	1/4	3/8	1.75	1.22	2.33	1.42	.11
	PP6VEU4-MG	3/8	1/4	1.83	1.30	2.32	1.40	.19
PPB6VEU6-MG	PP6VEU6-MG	3/8	3/8	1.85	1.32	2.34	1.44	.25
	PP8VEU8-MG	1/2	1/2	1.93	1.39	2.51	1.61	0.38



VTEU - Valve Tube Elbow Union

Black Polypropylene	White Polypropylene	Nom. Tube O.D.	Stem	A	B	C	D	ØE Thru Hole Min.
PPB6VTEU6-MG	PP4VTEU6-MG	1/4	3/8	1.75	1.22	2.43	1.50	.17
	PP6VTEU6-MG	3/8	3/8	1.83	1.30	2.43	1.50	.25



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SC - Safety Clip (Patent No. 6,065,779)

Part No.	Part No.	For Nominal Tube O.D.
SC-4	SC-4-B	1/4
SC-5	SC-5-B	5/16
SC-6	SC-6-B	3/8
SC-8	SC-8-B	1/2



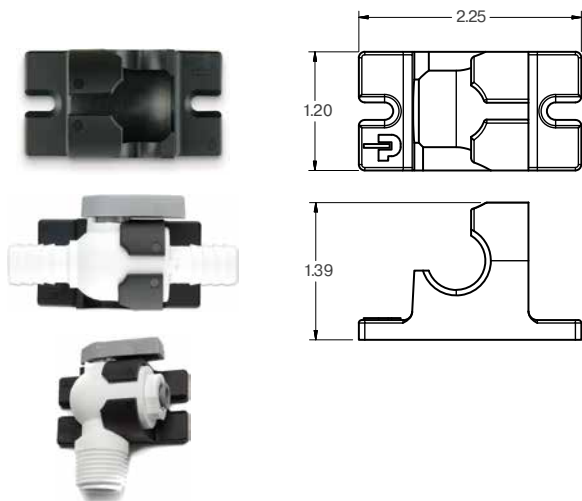
TS - Tube Supports

Nylon Part No.	PPL Part No.
N4TS3	P4TS3
N5TS3	P5TS3
N6TS4	P6TS4
N8TS6	P8TS6

To be used with soft durometer tubing.

BVC Ball Valve Clip

BV-Clip Shown below holding VUCPB and VME



AQRT - Quick Release Tool

Makes disconnection of tube adapters and tubing a breeze.



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FAST & TITE® FITTINGS

Parker's Fast & Tite Fittings are a compression style fitting that installs in seconds without tools and provides a tight, sure, leak proof seal without clamps or adjustments. A unique grab ring for tube retention, coupled with a Nitrile o-ring creates a positive seal and assures good tube retention with only hand tight assembly.

Product Features:

- Available in black polypropylene and white nylon
- White polypropylene available as a non-standard part
- 302 stainless steel grab ring
- Nitrile O-ring
- FDA compliant material
- NSF/ANSI-51

Markets:

- Water Filtration
- Beverage Dispensing
- Life Science
- Bottling
- Semi-Conductor

Applications:

- Water
- Beverages
- Food
- Cooling Systems
- Vacuum

Compatible Tubing:

- Thermoplastic
- Soft Metal
- Glass

Tube O.D. (in.)	Insertion Length
1/4	5/8
5/16	5/8
3/8	13/16
1/2	7/8
5/8	1

Specifications:

Air-Oil-Water Pressure in PSI (bar)

Tube O.D. (in)	Up to 75° F	76° to 125° F	126° to 175° F
1/4	300 (20.7)	300 (20.7)	300 (20.7)
5/16	300 (20.7)	300 (20.7)	300 (20.7)
3/8	250 (17.2)	250 (17.2)	150 (10.3)
1/2	200 (13.8)	200 (13.8)	150 (10.3)
5/8	150 (10.3)	100 (6.9)	50 (3.5)

Temperature Range

Nylon: -40° to +200° F (-40° to +93.3° C)

Polypropylene: 0° to +212° F (-17.8° to +100° C)



WARNING

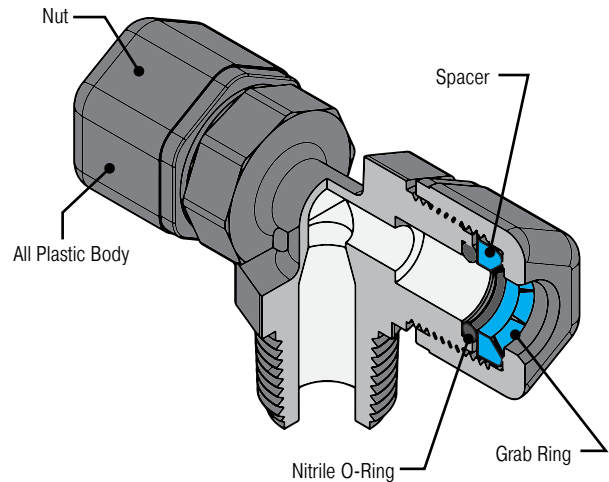
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FAST & TITE® FITTINGS

Assembly Instructions

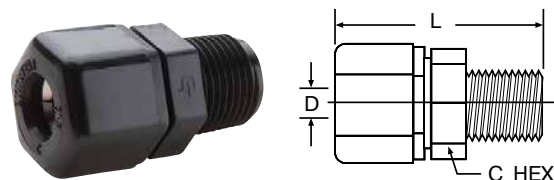
1. Cut the tube squarely and remove any burrs.
2. Mark from end of tube the length of insertion. If using a tube support, insert fully into tube before marking. (See insertion length table left)
3. Loosen nut on fitting until three threads are visible. Fittings for glass tubes must be disassembled and the grab ring removed. If the fitting has been disassembled the components are to be placed in the following order: fitting body, o-ring, spacer, grab ring and nut. Assemble the nut until three threads are showing on the body before inserting tube.
4. Moisten end of the tube with water. Push the tube Straight into fitting until it bottoms on the fitting's shoulder. Tighten nut by hand. Additional tightening should not be necessary, but 1/4 additional turn may be added if desired. Do not overtighten nut as the threads will strip and the fitting will not function properly. A proper assembly will not show the insertion mark extending beyond the nut. If the insertion mark is visible, then steps 1 thru 4 must be repeated.
5. Whenever a Fast & Tite® fitting is assembled for service or reuse the stainless steel grab ring should be replaced for maximum tubing retention.

Note: Provide adequate fail-safe mechanisms such as leakage detection sensors, automatic shut-off controls or other industry and code appropriate fail-safe devices in the design of your water-handling appliance to protect against personal injury and property damage. Plastic fittings containing an o-ring have a finite life depending on the environment, media and severity of the application. Frequent inspections and replacement of the fitting when anomalies are found is recommended.



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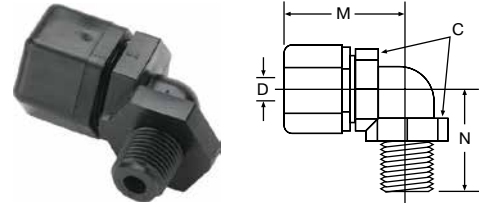
MC - Male Connector Tube to male pipe

Black PPL Part No.	White Nylon Part No.	Nom Tube O.D.	NPTF Thread Size	C Hex	L Overall Length	Flow Dia. D
P4MC2	N4MC2	1/4	1/8	11/16	1.28	.170
P4MC4	N4MC4	1/4	1/4	11/16	1.51	.170
P4MC6*	N4MC6*	1/4	3/8	11/16	.148	.170
P5MC2	N5MC2	5/16	1/8	11/16	1.38	.170
P5MC4	N5MC4	5/16	1/4	11/16	1.50	.250
P6MC2	N6MC2	3/8	1/8	13/16	1.50	.170
P6MC4	N6MC4	3/8	1/4	13/16	1.67	.250
P6MC6	N6MC6	3/8	3/8	13/16	1.67	.250
P6MC8	N6MC8	3/8	1/2	1	1.78	.250
P6MC12	N6MC12	3/8	3/4	1	1.84	.250
P8MC2	N8MC2	1/2	1/8	1	1.61	.170
P8MC4	N8MC4	1/2	1/4	1	1.74	.250
P8MC6	N8MC6	1/2	3/8	1	1.74	.375
P8MC8	N8MC8	1/2	1/2	1	1.87	.375
P8MC12	N8MC12	1/2	3/4	1	1.89	.375
P10MC2		5/8	1/8	1-1/8	1.75	.170
P10MC4	N10MC4	5/8	1/4	1-1/8	1.90	.250
P10MC6	N10MC6	5/8	3/8	1-1/8	1.90	.375
P10MC8	N10MC8	5/8	1/2	1-1/8	2.01	.500
P10MC12	N10MC12	5/8	3/4	1-1/8	2.04	.500



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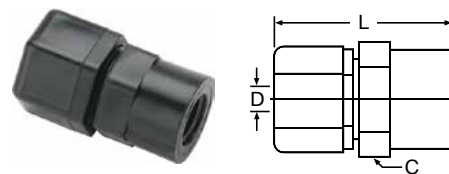
ME - Male Elbow Tube to male pipe

Black PPL Part No.	White Nylon Part No.	Nom Tube O.D.	NPTF Thd Size	C Hex	M	N	Flow Dia. D
P4ME2	N4ME2	1/4	1/8	3/4	1.06	0.81	.170
P4ME4	N4ME4	1/4	1/4	3/4	1.06	1.02	.170
P4ME6	N4ME6	1/4	3/8	3/4	1.06	1.02	.170
P5ME2		5/16	1/8	3/4	1.06	0.81	.193
P5ME4	N5ME4	5/16	1/4	3/4	1.06	1.02	.193
P5ME6		5/16	3/8	3/4	1.06	1.02	.193
P6ME4	N6ME4	3/8	1/4	7/8	1.28	1.12	.250
P6ME6	N6ME6	3/8	3/8	7/8	1.28	1.12	.250
P6ME8	N6ME8	3/8	1/2	1	1.28	1.34	.250
P6ME12	N6ME12	3/8	3/4	1-3/16	1.59	1.40	.250
P8ME4	N8ME4*	1/2	1/4	1-1/16	1.48	1.22	.250
P8ME6	N8ME6	1/2	3/8	1-1/16	1.56	1.21	.375
P8ME8	N8ME8	1/2	1/2	1-1/16	1.56	1.34	.375
P8ME12*	N8ME12*	1/2	3/4	1-1/8	1.50	1.40	.375
P10ME8	N10ME8	5/8	1/2	1-3/16	1.72	1.40	.500



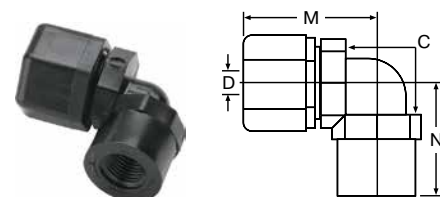
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FC - Female Connector Tube to female pipe

Black PPL Part No.	White Nylon Part No.	Nom Tube O.D.	NPTF Thd Size	C Hex	L	Flow Dia. D
P4FC2	N4FC2	1/4	1/8	11/16	1.31	.170
P4FC4	N4FC4	1/4	1/4	11/16	1.44	.170
P6FC4	N6FC4	3/8	1/4	13/16	1.61	.250
P6FC6	N6FC6	3/8	3/8	13/16	1.64	.250
P6FC8	N6FC8	3/8	1/2	13/16	1.75	.250
P8FC6	N8FC6	1/2	3/8	1	1.70	.375
P8FC8	N8FC8	1/2	1/2	1	1.85	.375
P10FC8	N10FC8	5/8	1/2	1-1/8	1.96	.500



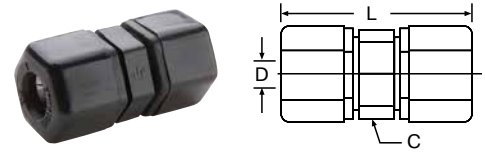
FE - Female Elbow Tube to female pipe

Black PPL Part No.	White Nylon Part No.	Nom Tube O.D.	NPTF Thd Size	C Hex	M	N	Flow Dia. D
P4FE2	N4FE2	1/4	1/8	11/16	1.10	0.84	.170
P4FE4	N4FE4	1/4	1/4	11/16	1.10	0.94	.170
	N5FE2	5/16	1/8	11/16	1.10	0.84	.193
P6FE4	N6FE4	3/8	1/4	13/16	1.30	1.06	.250
P6FE6	N6FE6	3/8	3/8	13/16	1.30	1.03	.250
P8FE6	N8FE6	1/2	3/8	1	1.50	1.16	.375
P8FE8	N8FE8	1/2	1/2	1	1.50	1.27	.375
P10FE8	N10FE8	5/8	1/2	1-1/8	1.70	1.34	.500



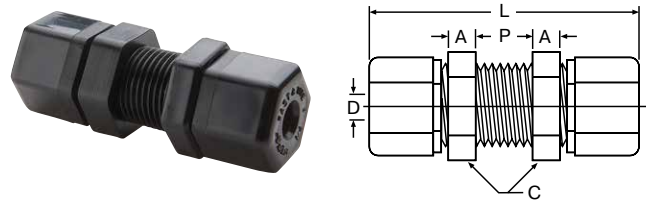
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UC - Union Connector Tube to tube

Black PPL Part No.	White Nylon Part No.	Nom. Tube O.D.	C Hex	L Overall Length	Flow Dia. D
P4UC4	N4UC4	1/4	11/16	1.62	.170
P5UC4	N5UC4	5/16-1/4	11/16	1.62	.170
P5UC5	N5UC5	5/16	11/16	1.62	.190
P6UC4	N6UC4	3/8-1/4	13/16	1.80	.170
P6UC5	N6UC5	3/8-5/16	13/16	1.80	.190
P6UC6	N6UC6	3/8	13/16	1.92	.250
P8UC6	N8UC6	1/2-3/8	1	1.95	.250
P8UC8	N8UC8	1/2	1	2.03	.375
P10UC6	N10UC6	5/8-3/8	1-1/8	2.19	.250
P10UC8	N10UC8	5/8-1/2	1-1/8	2.24	.375
P10UC10	N10UC10	5/8	1-1/8	2.40	.500



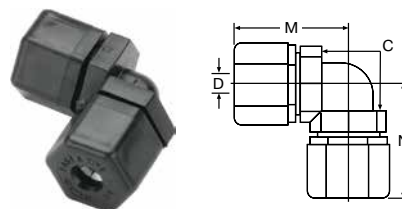
BU - Bulkhead Union Tube to tube

Black PPL Part No.	White Nylon Part No.	Nom Tube O.D.	A Ref.	C Hex	L Overall Length	P Max	Flow Dia. D	Blkhd Hole Drill Size
P4BU4	N4BU4	1/4	1/4	13/16	2-11/64	3/8	.170	21/32
P5BU5	N5BU5	5/16	1/4	13/16	2-11/64	3/8	.187	21/32
P6BU6	N6BU6	3/8	9/32	15/16	2-39/64	1/2	.250	25/32
P8BU8	N8BU8	1/2	5/16	1-5/32	2-3/4	1/2	.375	31/32



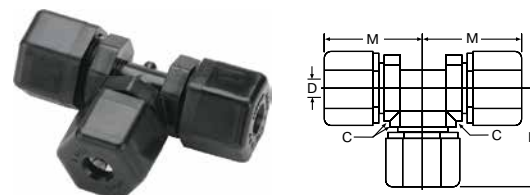
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EU - Elbow Union Tube to tube

Black PPL Part No.	White Nylon Part No.	Nom. Tube O.D.	C Hex	M	N	Flow Dia. D
P4EU4	N4EU4	1/4	3/4	1.06	1.06	.170
P5EU4	N5EU4	5/16-1/4	3/4	1.06	1.06	.170
P5EU5	N5EU5	5/16	3/4	1.06	1.06	.193
P6EU4	N6EU4	3/8-1/4	7/8	1.06	1.28	.170
P6EU5		3/8-5/16	7/8	1.06	1.28	.170
P6EU6	N6EU6	3/8	7/8	1.28	1.28	.250
P8EU6	N8EU6	1/2-3/8	1-1/16	1.37	1.56	.250
P8EU8	N8EU8	1/2	1-1/16	1.56	1.56	.375
P10EU10	N10EU10	5/8	1-3/16	1.72	1.72	.500



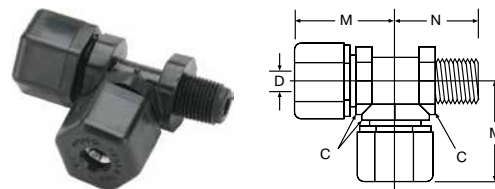
TU - Tee Union Tube to tube

Black PPL Part No.	White Nylon Part No.	Nom. Tube O.D.	C Hex	M	N	Flow Dia. D
P4TU4	N4TU4	1/4	11/16	1.09	1.09	.170
P5TU5	N5TU5	5/16	11/16	1.09	1.09	.187
P6TU6	N6TU6	3/8	13/16	1.30	1.30	.250
P8TU6	N8TU6	1/2-3/8	1	1.46	1.39	.250
P8TU8	N8TU8	1/2	1	1.46	1.46	.375
P10TU6	N10TU6	5/8-3/8	1-1/8	1.68	1.46	.250
P10TU10	N10TU10	5/8	1-3/16	1.68	1.68	.500



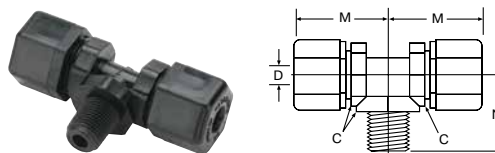
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MR - Male Run Tee Tube to male pipe

Black PPL Part No.	White Nylon Part No.	Nom. Tube O.D.	NPTF Thd Size	C Hex	M	N	Flow Dia. D
P4MR2	N4MR2	1/4	1/8	11/16	1.09	0.89	.170
P6MR4	N6MR4	3/8	1/4	13/16	1.30	1.17	.250
P8MR6		1/2	3/8	1	1.46	1.28	.375



MT - Male Branch Tee Tube to male pipe

Black PPL Part No.	White Nylon Part No.	Nom. Tube O.D.	NPTF Thd Size	C Hex	M	N	Flow Dia. D
P4MT2	N4MT2	1/4	1/8	11/16	1.09	0.89	.170
P4MT4	N4MT4	1/4	1/4	11/16	1.09	1.06	.170
P5MT2	N5MT2	5/16	1/8	11/16	1.09	0.89	.170
P5MT4		5/16	1/4	11/16	1.09	1.06	.187
P6MT4	N6MT4	3/8	1/4	13/16	1.30	1.12	.250
P6MT6	N6MT6	3/8	3/8	13/16	1.30	1.10	.250
P8MT6	N8MT6	1/2	3/8	1	1.46	1.22	.375
P8MT8	N8MT8	1/2	1/2	1	1.46	1.43	.375
P10MT8		5/8	1/2	1-1/8	1.68	1.41	.500



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GR - Grab Ring (Stainless or Plastic)

Stainless Grab Ring Part No.	Plastic Grab Ring Part No.	For Nom. Tube O.D.
4GR	4GRP	1/4
5GR	5GRP	5/16
6GR	6GRP	3/8
8GR	8GRP	1/2
10GR	10GRP	5/8



OR - O-Ring

For Nom. Tube O.D.	Nitrile O-Ring	Fluorocarbon O-Ring	EPDM O-Ring
1/4	4OR	4OR-V	4OR-EPDM
5/16	5OR	5OR-V	5OR-EPDM
3/8	6OR	6OR-V	6OR-EPDM
1/2	8OR	8OR-V	8OR-EPDM
5/8	10OR	10OR-V	10OR-EPDM



N - Nut

Black Polypropylene Part No.	White Nylon Part No.	For Nom. Tube O.D.
P4N	N4N	1/4
P5N	N5N	5/16
P6N	N6N	3/8
P8N	N8N	1/2
P10N	N10N	5/8



TS - Tube Support

Polypropylene Part No.	Nylon Part No.	For Tube Part No.
P4TS3	N4TS3	PV43
P5TS3	N5TS3	PV53
P6TS4	N6TS4	PV64
P8TS6	N8TS6	PV86
P10TS8	N10TS8	PV108



S - Spacer

Black Polypropylene Part No.	White Nylon Part No.	For Nom. Tube O.D.
P4S	N4S	1/4
P5S	N5S	5/16
P6S	N6S	3/8
P8S	N8S	1/2
P10S	N10S	5/8



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Fast and Tite Ball Valves

This range of ball valves uses compression technology to create a sure and tight connection. Use Parker's Fast and Tite fittings for low pressure applications such as water filtration, beverage dispensing, or on vacuum lines. Manufactured from black polypropylene material, these valves meet FDA and NSF-51 requirements for food contact.

Features/Benefits:

- 302 Stainless Steel Grab Ring
- Nitrile O-ring
- FDA Compliant
- NSF/ANSI-51 Compliant

Specifications:

- Temperature Range: +35° F to +200° F (+1° C to +93° C)
- O-ring Seal Material: Nitrile
- NSF/ANSI 51
- Pressure Rated to 150PSI

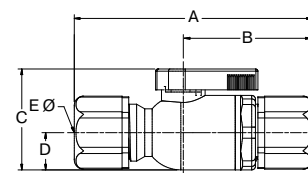
Assembly Instructions:

1. Cut the tube squarely and remove any burrs.
2. Mark from end of tube the length of insertion. If using a tube support, insert fully into tube before marking. (See insertion length table left)
3. Loosen nut on fitting until three threads are visible. Fittings for glass tubes must be disassembled and the grab ring removed. If the fitting has been disassembled the components are to be placed in the following order: fitting body, o-ring, spacer, grab ring and nut. Assemble the nut until three threads are showing on the body before inserting tube.
4. Moisten end of the tube with water. Push the tube straight into fitting until it bottoms on the fitting's shoulder. Tighten nut by hand. Additional tightening should not be necessary, but 1/4 additional turn may be added if desired. Do not overtighten nut as the threads will strip and the fitting will not function properly. A proper assembly will not show the insertion mark extending beyond the nut. If the insertion mark is visible, then steps 1 thru 4 must be repeated.
5. Whenever a Fast & Tite® fitting is assembled for service or reuse the stainless steel grab ring should be replaced for maximum tubing retention.
6. Note: Provide adequate fail-safe mechanisms such as leakage detection sensors, automatic shut-off controls or other industry and code appropriate fail-safe devices in the design of your water-handling appliance to protect against personal injury and property damage. Plastic fittings containing an o-ring have a finite life depending on the environment, media and severity of the application. Frequent inspections and replacement of the fitting when anomalies are found is recommended.



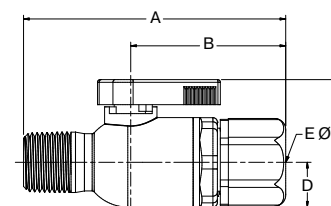
WARNING

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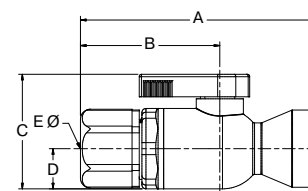
VUC - Valve Union Connector

Part No.	1 Tube Size	2 Tube Size	A	B	C	D	ØE Thru Hole Min.
FTPPB4VUC4	1/4	1/4	2.94	1.61	1.4	.5	.19
FTPPB4VUC6	1/4	3/8	3.07	1.61	1.4	.5	.19
FTPPB6VUC6	3/8	3/8	3.19	1.73	1.4	.5	.25
FTPPB8VUC8	1/2	1/2	3.27	1.80	1.4	.5	.38



VMC - Valve Male Connector

Part No.	1 Tube Size	NPTF Thd Size	A	B	C	D	ØE Thru Hole Min.
FTPPB4VMC4	1/4	1/4	2.81	1.61	1.4	.5	.19
FTPPB4VMC6	1/4	3/8	2.81	1.61	1.4	.5	.19
FTPPB6VMC4	3/8	1/4	2.93	1.73	1.4	.5	.19
FTPPB6VMC6	3/8	3/8	2.93	1.73	1.4	.5	.25
FTPPB8VMC6	1/2	3/8	3.00	1.79	1.4	.5	.25



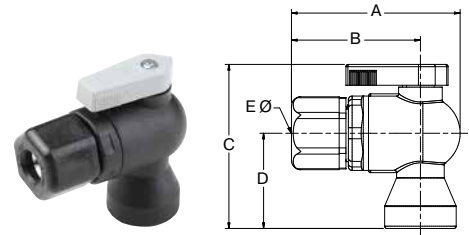
VFC - Valve Female Connector

Part No.	1 Tube Size	NPTF Thd Size	A	B	C	D	ØE Thru Hole Min.
FTPPB4VFC4	1/4	1/4	2.78	1.61	1.4	.5	.19
FTPPB6VFC6	3/8	3/8	2.93	1.73	1.4	.5	.25
FTPPB8VFC6	1/2	3/8	3.00	1.8	1.4	.5	.25



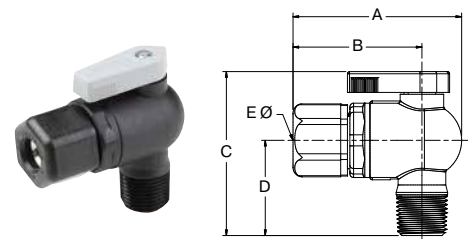
WARNING

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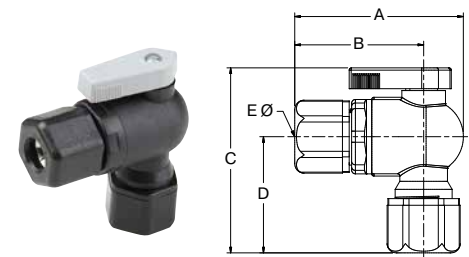
VFE - Valve Female Elbow

Part No.	1 Tube Size	NPTF Thd Size	A	B	C	D	ØE Thru Hole Min.
FTPPB4VFE4	1/4	1/4	2.14	1.61	2.18	1.25	.19
FTPPB6VFE4	3/8	1/4	2.26	1.73	2.18	1.25	.19
FTPPB6VFE6	3/8	3/8	2.26	1.73	2.21	1.28	.25
FTPPB8VFE6	1/2	3/8	2.34	1.8	2.21	1.28	.25



VME - Valve Male Elbow

Part No.	1 Tube Size	NPTF Thd Size	A	B	C	D	ØE Thru Hole Min.
FTPPB4VME4	1/4	1/4	2.14	1.61	2.21	1.28	.19
FTPPB6VME4	3/8	1/4	2.26	1.73	2.21	1.28	.19
FTPPB6VME6	3/8	3/8	2.26	1.73	2.21	1.28	.25
FTPPB8VME8	1/2	1/2	2.34	1.8	2.4	1.47	.38



VEU - Valve Elbow Union

Part No.	1 Tube Size	2 Tube Size	A	B	C	D	ØE Thru Hole Min.
FTPPB4VEU4	1/4	1/4	2.14	1.61	2.35	1.42	.19
FTPPB6VEU4	3/8	1/4	2.26	1.73	2.37	1.44	.19
FTPPB6VEU6	3/8	3/8	2.26	1.73	2.49	1.56	.25
FTPPB8VEU8	1/2	1/2	2.34	1.8	2.47	1.54	.38



WARNING

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PAR-BARB® FITTINGS



Parker's Par-Barb Fittings are injection molded from high strength chemically inert, thermoplastic materials. The multiple barb design generates the maximum gripping and sealing power when combined with a hose clamp.

Product Features:

- Available in black polypropylene and white nylon
- FDA compliant material
- NSF/ANSI 51
- EPDM washer

Markets:

- Water
- Beverage Dispensing
- Bottling
- Semi-Conductor

Applications:

- Water
- Beverages
- Cooling Systems
- Vacuum



Compatible Tubing:

- Vinyl
- Polyurethane
- Rubber hose

Specifications:

Pressure Range Up to 125 PSI (8.6 bar)

Temperature Range

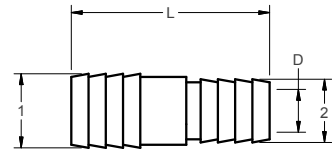
Nylon: -40° to +200° F (-40° to +93.3° C)

Polypropylene: 0° to +212° F (-12.2° to +100° C)



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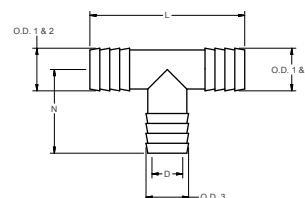
Union Connector 322HB

Part No.	Material	Tube or Hose I.D. 1	Tube or Hose I.D. 2	O.D. 1	O.D. 2	L	Flow Dia. D
322HB-3N	White Nylon	3/16	3/16	.25	.25	1.768	.106
322HB-3PP	Black Polypropylene	3/16	3/16	.25	.25	1.725	.106
322HB-4-3N	White Nylon	1/4	3/16	.31	.25	1.725	.106
322HB-4-3PP	Black Polypropylene	1/4	3/16	.31	.25	1.725	.106
322HB-4N	White Nylon	1/4	1/4	.31	.31	1.725	.153
322HB-4PP	Black Polypropylene	1/4	1/4	.31	.31	1.725	.153
322HB-5N	White Nylon	5/16	5/16	.37	.37	1.725	.215
322HB-5PP	Black Polypropylene	5/16	5/16	.37	.37	1.725	.215
322HB-6-4N	White Nylon	3/8	1/4	.43	.31	1.725	.153
322HB-6-4PP	Black Polypropylene	3/8	1/4	.43	.31	1.725	.153
322HB-6N	White Nylon	3/8	3/8	.43	.43	1.73	.245
322HB-6PP	Black Polypropylene	3/8	3/8	.43	.43	1.73	.245
322HB-8-4N	White Nylon	1/2	1/4	.55	.31	1.725	.153
322HB-8-4PP	Black Polypropylene	1/2	1/4	.55	.31	1.725	.153
322HB-8-6N	White Nylon	1/2	3/8	.55	.43	1.725	.247
322HB-8-6PP	Black Polypropylene	1/2	3/8	.55	.43	1.725	.247
322HB-8N	White Nylon	1/2	1/2	.55	.55	1.725	.372
322HB-8PP	Black Polypropylene	1/2	1/2	.55	.55	1.725	.372
322HB-10-6N	White Nylon	5/8	3/8	.64	.43	1.725	.247
322HB-10-6PP	Black Polypropylene	5/8	3/8	.64	.43	1.725	.247
322HB-10-8N	White Nylon	5/8	1/2	.64	.55	1.725	.372
322HB-10-8PP	Black Polypropylene	5/8	1/2	.64	.55	1.725	.372
322HB-10N	White Nylon	5/8	5/8	.64	.64	1.765	.465
322HB-10PP	Black Polypropylene	5/8	5/8	.64	.64	1.765	.465
322HB-12PP	Black Polypropylene	3/4	3/4	.845	.845	3.77	.610



WARNING

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Union Tee 364HB

Part No.	Material	Tube or Hose I.D. 1	Tube or Hose I.D. 2	Tube or Hose I.D. 3	O.D. 1	O.D. 2	O.D. 3	L	N	Flow Dia. D
364HB-3N	White Nylon	3/16	3/16	3/16	.25	.25	.25	1.94	1.275	.106
364HB-3PP	Black Polypropylene	3/16	3/16	3/16	.25	.25	.25	1.94	1.256	.106
364HB-4N	White Nylon	1/4	1/4	1/4	.31	.31	.31	2.00	1.280	.153
364HB-4PP	Black Polypropylene	1/4	1/4	1/4	.31	.31	.31	2.00	1.256	.153
364HB-5N	White Nylon	5/16	5/16	5/16	.36	.36	.36	2.06	1.280	.215
364HB-5PP	Black Polypropylene	5/16	5/16	5/16	.36	.36	.36	2.06	1.256	.215
364HB-6-4N	White Nylon	3/8	3/8	1/4	.43	.43	.31	2.12	1.256	.153
364HB-6-4PP	Black Polypropylene	3/8	3/8	1/4	.43	.43	.31	2.12	1.256	.153
364HB-6-8N	White Nylon	3/8	3/8	1/2	.43	.43	.55	2.12	1.256	.247
364HB-6-8PP	Black Polypropylene	3/8	3/8	1/2	.43	.43	.55	2.12	1.256	.247
364HB-6N	White Nylon	3/8	3/8	3/8	.43	.43	.43	2.12	1.260	.247
364HB-6PP	Black Polypropylene	3/8	3/8	3/8	.43	.43	.43	2.12	1.256	.247
364HB-8-6N	White Nylon	1/2	1/2	3/8	.55	.55	.43	2.25	1.256	.247
364HB-8-6PP	Black Polypropylene	1/2	1/2	3/8	.55	.55	.43	2.25	1.256	.247
364HB-8N	White Nylon	1/2	1/2	1/2	.55	.55	.55	2.25	1.265	.375
364HB-8PP	Black Polypropylene	1/2	1/2	1/2	.55	.55	.55	2.25	1.256	.372
364HB-10N	White Nylon	5/8	5/8	5/8	.64	.64	.64	2.34	1.265	.465
364HB-10PP	Black Polypropylene	5/8	5/8	5/8	.64	.64	.64	2.34	1.256	.465



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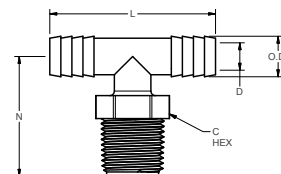
Union Elbow 365HB

Part No.	Material	Tube or Hose I.D. 1	Tube or Hose I.D. 2	O.D. 1	O.D. 2	M	N	Flow Dia. D
365HB-4N	White Nylon	1/4	1/4	.31	.31	1.002	1.256	.153
365HB-4PP	Black Polypropylene	1/4	1/4	.31	.31	1.002	1.256	.153
365HB-6N	White Nylon	3/8	3/8	.43	.43	1.090	1.270	.247
365HB-6PP	Black Polypropylene	3/8	3/8	.43	.43	1.090	1.270	.247
365HB-8-4N	White Nylon	1/2	1/4	.55	.31	1.002	1.256	.153
365HB-8-4PP	Black Polypropylene	1/2	1/4	.55	.31	1.002	1.256	.153
365HB-8-6N	White Nylon	1/2	3/8	.55	.43	1.060	1.256	.247
365HB-8-6PP	Black Polypropylene	1/2	3/8	.55	.43	1.060	1.256	.247
365HB-8N	White Nylon	1/2	1/2	.55	.55	1.145	1.265	.372
365HB-8PP	Black Polypropylene	1/2	1/2	.55	.55	1.123	1.256	.372
365HB-10N	White Nylon	5/8	5/8	.64	.64	1.200	1.280	.465
365HB-10PP	Black Polypropylene	5/8	5/8	.64	.64	1.170	1.256	.465
365HB-12N	White Nylon	3/4	3/4	.79	.79	1.270	1.270	.606
365HB-12PP	Black Polypropylene	3/4	3/4	.79	.79	1.242	1.256	.606



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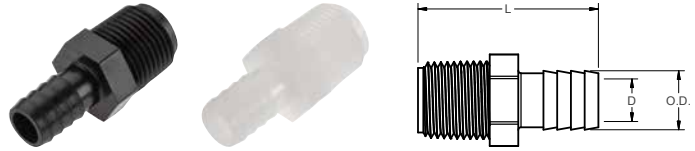
Male Branch Tee 372HB

Part No.	Material	Tube or Hose I.D. 1 & 2	NPT Pipe Thd.	O.D. 1 & 2	C Hex	L	N	Flow Dia. D
372HB-3-2N	White Nylon	3/16	1/8	.25	7/16	1.940	1.187	.106
372HB-3-4N	White Nylon	3/16	1/4	.25	9/16	1.940	1.406	.106
372HB-4-2N	White Nylon	1/4	1/8	.31	7/16	2.000	1.187	.153
372HB-4-2PP	Black Polypropylene	1/4	1/8	.31	7/16	2.000	1.187	.153
372HB-4-4N	White Nylon	1/4	1/4	.31	9/16	2.000	1.406	.153
372HB-4-4PP	Black Polypropylene	1/4	1/4	.31	9/16	2.000	1.406	.153
372HB-4-6PP	Black Polypropylene	1/4	3/8	.31	11/16	2.000	1.436	0.153
372HB-6-4N	White Nylon	3/8	1/4	.43	9/16	2.120	1.406	.247
372HB-6-4PP	Black Polypropylene	3/8	1/4	.43	9/16	2.120	1.406	.247
372HB-6-6PP	Black Polypropylene	3/8	3/8	.43	11/16	2.120	1.436	.247
372HB-6-8N	White Nylon	3/8	1/2	.43	7/8	2.120	1.626	.247
372HB-6-8PP	Black Polypropylene	3/8	1/2	.43	7/8	2.120	1.626	.247
372HB-8-4N	White Nylon	1/2	1/4	.55	9/16	2.250	1.406	.372
372HB-8-4PP	Black Polypropylene	1/2	1/4	.55	9/16	2.250	1.406	.372
372HB-8-6N	White Nylon	1/2	3/8	.55	11/16	2.250	1.436	.372
372HB-8-6PP	Black Polypropylene	1/2	3/8	.55	11/16	2.250	1.436	.372
372HB-8-8N	White Nylon	1/2	1/2	.55	7/8	2.250	1.646	.372
372HB-8-8PP	Black Polypropylene	1/2	1/2	.55	7/8	2.250	1.646	.372
372HB-12-12N	White Nylon	3/4	3/4	.79	1-1/8	2.480	1.594	.606
372HB-12-12PP	Black Polypropylene	3/4	3/4	.79	1-1/8	2.480	1.594	.606



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Male Connector 325HB

Part No.	Material	Tube or Hose I.D. 1	NPT Pipe Thd.	O.D. 1	C Hex	L	Flow Dia. D
325HB-3-2N	White Nylon	3/16	0.125	.25	7/16	1.530	.106
325HB-3-2PP	Black Polypropylene	3/16	0.125	.25	7/16	1.530	.106
325HB-3-4N	White Nylon	3/16	0.25	.25	9/16	1.750	.106
325HB-3-4PP	Black Polypropylene	3/16	0.25	.25	9/16	1.750	.106
325HB-4-2N	White Nylon	0.25	0.125	.31	7/16	1.530	.153
325HB-4-2PP	Black Polypropylene	0.25	0.125	.31	7/16	1.530	.153
325HB-4-4N	White Nylon	0.25	0.25	.31	9/16	1.750	.153
325HB-4-4PP	Black Polypropylene	0.25	0.25	.31	9/16	1.750	.153
325HB-4-6N	White Nylon	0.25	0.375	.31	11/16	1.780	.153
325HB-4-8N	White Nylon	0.25	0.5	.31	7/8	1.970	.153
325HB-4-8PP	Black Polypropylene	0.25	0.5	.31	7/8	1.970	.153
325HB-4-12N	White Nylon	0.25	0.75	.31	1-1/8	1.980	.153
325HB-5-2N	White Nylon	5/16	1/8	.36	7/16	1.530	.187
325HB-5-4N	White Nylon	5/16	1/4	.36	7/16	1.750	.215
325HB-5-6N	White Nylon	5/16	3/8	.36	11/16	1.780	.215
325HB-5-6PP	Black Polypropylene	5/16	3/8	.36	11/16	1.780	.215
325HB-6-2N	White Nylon	3/8	1/8	.43	7/16	1.530	.187
325HB-6-2PP	Black Polypropylene	3/8	1/8	.43	7/16	1.530	.187
325HB-6-4N	White Nylon	3/8	1/4	.43	9/16	1.750	.247
325HB-6-4PP	Black Polypropylene	3/8	1/4	.43	9/16	1.750	.247
325HB-6-6N	White Nylon	3/8	3/8	.43	11/16	1.780	.247
325HB-6-6PP	Black Polypropylene	3/8	3/8	.43	11/16	1.780	.247
325HB-6-8N	White Nylon	3/8	1/2	.43	7/8	1.970	.247
325HB-6-8PP	Black Polypropylene	3/8	1/2	.43	7/8	1.970	.247
325HB-6-12N	White Nylon	3/8	3/4	.43	1-1/8	1.980	.247
325HB-6-12PP	Black Polypropylene	3/8	3/4	.43	1-1/8	1.980	.247
325HB-8-4N	White Nylon	1/2	1/4	.55	9/16	1.750	.310
325HB-8-4PP	Black Polypropylene	1/2	1/4	.55	9/16	1.750	.310
325HB-8-6N	White Nylon	1/2	3/8	.55	11/16	1.780	.372
325HB-8-6PP	Black Polypropylene	1/2	3/8	.55	11/16	1.780	.372
325HB-8-8N	White Nylon	1/2	1/2	.55	7/8	1.970	.372
325HB-8-8PP	Black Polypropylene	1/2	1/2	.55	7/8	1.970	.372
325HB-8-12N	White Nylon	1/2	3/4	.55	1-1/8	1.980	.372
325HB-8-12PP	Black Polypropylene	1/2	3/4	.55	1-1/8	1.980	.372
325HB-10-6N	White Nylon	5/8	3/8	.64	11/16	1.780	.406
325HB-10-6PP	Black Polypropylene	5/8	3/8	.64	11/16	1.780	.406
325HB-10-8N	White Nylon	5/8	1/2	.64	7/8	1.970	.465
325HB-10-8PP	Black Polypropylene	5/8	1/2	.64	7/8	1.970	.465
325HB-10-12N	White Nylon	5/8	3/4	.64	1-1/8	1.980	.465
325HB-10-12PP	Black Polypropylene	5/8	3/4	.64	1-1/8	1.980	.465
325HB-12-8N	White Nylon	3/4	1/2	.80	7/8	1.970	.606
325HB-12-8PP	Black Polypropylene	3/4	1/2	.80	7/8	1.970	.606
325HB-12-12N	White Nylon	3/4	3/4	.80	1-1/8	1.980	.606
325HB-12-12PP	Black Polypropylene	3/4	3/4	.80	1-1/8	1.980	.606



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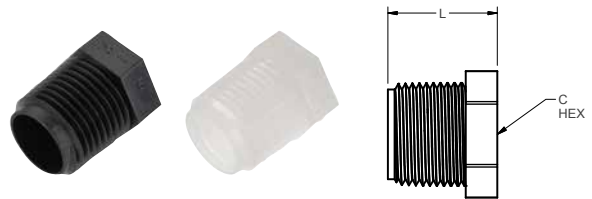
Male Elbow 329HB

Part No.	Material	Tube or Hose I.D. 1	NPT Pipe Thd.	O.D. 1	C Hex	M	N	Flow Dia. D
329HB-3-2N	White Nylon	3/16	1/8	.25	7/16	.97	1.186	.106
329HB-3-2PP	Black Polypropylene	3/16	1/8	.25	7/16	.97	1.186	.106
329HB-3-4N	White Nylon	3/16	1/4	.25	9/16	.97	1.406	.106
329HB-4-2N	White Nylon	1/4	1/8	.31	7/16	1.00	1.186	.153
329HB-4-2PP	Black Polypropylene	1/4	1/8	.31	7/16	1.00	1.186	.153
329HB-4-4N	White Nylon	1/4	1/4	.31	9/16	1.00	1.406	.153
329HB-4-4PP	Black Polypropylene	1/4	1/4	.31	9/16	1.00	1.406	.153
329HB-4-6N	White Nylon	1/4	3/8	.31	11/16	1.00	1.421	.153
329HB-4-6PP	Black Polypropylene	1/4	3/8	.31	11/16	1.00	1.421	.153
329HB-4-8N	White Nylon	1/4	1/2	.31	7/8	1.00	1.626	.153
329HB-4-8PP	Black Polypropylene	1/4	1/2	.31	7/8	1.00	1.626	.153
329HB-6-2N	White Nylon	3/8	1/8	.43	7/16	1.06	1.186	.247
329HB-6-2PP	Black Polypropylene	3/8	1/8	.43	7/16	1.06	1.186	.247
329HB-6-4N	White Nylon	3/8	1/4	.43	9/16	1.06	1.406	.247
329HB-6-4PP	Black Polypropylene	3/8	1/4	.43	9/16	1.06	1.406	.247
329HB-6-6N	White Nylon	3/8	3/8	.43	11/16	1.085	1.436	.247
329HB-6-6PP	Black Polypropylene	3/8	3/8	.43	11/16	1.085	1.436	.247
329HB-6-8N	White Nylon	3/8	1/2	.43	7/8	1.06	1.626	.247
329HB-6-8PP	Black Polypropylene	3/8	1/2	.43	7/8	1.06	1.626	.247
329HB-8-4N	White Nylon	1/2	1/4	.55	9/16	1.135	1.406	.281
329HB-8-4PP	Black Polypropylene	1/2	1/4	.55	9/16	1.12	1.406	.281
329HB-8-6N	White Nylon	1/2	3/8	.55	11/16	1.12	1.436	.372
329HB-8-6PP	Black Polypropylene	1/2	3/8	.55	11/16	1.12	1.436	.372
329HB-8-8N	White Nylon	1/2	1/2	.55	7/8	1.12	1.626	.372
329HB-8-8PP	Black Polypropylene	1/2	1/2	.55	7/8	1.12	1.626	.372
329HB-8-12N	White Nylon	1/2	3/4	.55	1-1/8	1.12	1.636	.372
329HB-8-12PP	Black Polypropylene	1/2	3/4	.55	1-1/8	1.12	1.636	.372
329HB-10-6N	White Nylon	5/8	3/8	.64	11/16	1.17	1.436	.406
329HB-10-8N	White Nylon	5/8	1/2	.64	7/8	1.17	1.626	.465
329HB-10-8PP	Black Polypropylene	5/8	1/2	.64	7/8	1.17	1.626	.465
329HB-10-12N	White Nylon	5/8	3/4	.64	1-1/8	1.17	1.636	.465
329HB-10-12PP	Black Polypropylene	5/8	3/4	.64	1-1/8	1.17	1.636	.465
329HB-12-8N	White Nylon	3/4	1/2	.79	7/8	1.24	1.626	.606
329HB-12-8PP	Black Polypropylene	3/4	1/2	.79	7/8	1.24	1.626	.606
329HB-12-12N	White Nylon	3/4	3/4	.79	1-1/8	1.24	1.626	.606
329HB-12-12PP	Black Polypropylene	3/4	3/4	.79	1-1/8	1.265	1.626	.606



WARNING

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Hex Plug 318P

Part No.	Material	NPT Pipe Thd.	C Hex	L
318P-2N	White Nylon	0.125	7/16	.660
318P-2PP	Black Polypropylene	1/8	7/16	.660
318P-4N	White Nylon	1/4	9/16	.860
318P-4PP	Black Polypropylene	1/4	9/16	.880
318P-6N	White Nylon	3/8	11/16	.905
318P-6PP	Black Polypropylene	3/8	11/16	.890
318P-8N	White Nylon	1/2	7/8	1.094
318P-8PP	Black Polypropylene	1/2	7/8	1.094
318P-12N	White Nylon	3/4	1-1/8	1.115
318P-12PP	Black Polypropylene	3/4	1-1/8	1.115



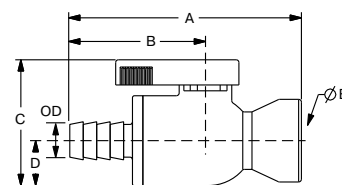
Hex Nipple 316P

Part No.	Material	NPT Pipe Thd. Side 1	NPT Pipe Thd. Side 2	C Hex	L	Flow Dia. D
316P-2N	White Nylon	0.125	0.125	7/16	1.062	.187
316P-2PP	Black Polypropylene	0.125	0.125	7/16	1.062	.187
316P-4-2N	White Nylon	0.25	0.125	9/16	1.281	.187
316P-4-2PP	Black Polypropylene	0.25	0.125	9/16	1.281	.187
316P-4N	White Nylon	0.25	0.25	9/16	1.469	.281
316P-4PP	Black Polypropylene	0.25	0.25	9/16	1.469	.281
316P-6-2N	White Nylon	0.375	0.125	11/16	1.332	.187
316P-6-2PP	Black Polypropylene	0.375	0.125	11/16	1.332	.187
316P-6-4N	White Nylon	0.25	0.25	11/16	1.488	.281
316P-6-4PP	Black Polypropylene	0.25	0.25	11/16	1.488	.281
316P-6N	White Nylon	0.375	0.375	11/16	1.500	.406
316P-6PP	Black Polypropylene	0.375	0.375	11/16	1.500	.406
316P-8-2N	White Nylon	0.5	0.125	7/8	1.485	.187
316P-8-2PP	Black Polypropylene	0.5	0.125	0.875	1.485	.187
316P-8-4N	White Nylon	0.5	0.25	0.875	1.687	.281
316P-8-4PP	Black Polypropylene	0.5	0.25	0.875	1.687	.281
316P-8-6N	White Nylon	0.5	0.375	0.875	1.687	.406
316P-8-6PP	Black Polypropylene	0.5	0.375	0.875	1.687	.406
316P-8N	White Nylon	0.5	0.5	0.875	1.875	.618
316P-8PP	Black Polypropylene	0.5	0.5	0.875	1.875	.618
316P-12-8N	White Nylon	0.75	0.5	1-1/8	1.891	.618
316P-12-8PP	Black Polypropylene	0.75	0.5	1-1/8	1.891	.618
316P-12N	White Nylon	0.75	0.75	1-1/8	1.932	.750
316P-12PP	Black Polypropylene	0.75	0.75	1-1/8	1.932	.750



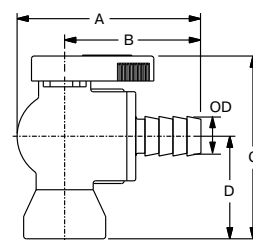
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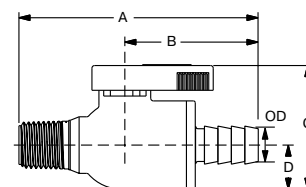
VFC - Valve Barbed Female Connector

Part No.	Hose ID	NPTF Thd.	OD	A	B	C	D	ØE Thru Hole Min.
PBPP4VFC4	1/4	1/4	.31	2.76	1.60	1.41	.50	.15
PBPP6VFC6	3/8	3/8	.43	2.79	1.60	1.41	.50	.19



VFE - Valve Barbed Female Elbow

Part No.	Hose ID	NPTF Thd.	OD	A	B	C	D	ØE Thru Hole Min.
PBPP4VFE4	1/4	1/4	.31	2.13	1.60	2.05	1.15	.15
PBPP6VFE4	3/8	1/4	.43	2.13	1.60	2.05	1.15	.15
PBPP6VFE6	3/8	3/8	.43	2.13	1.60	2.18	1.28	.19



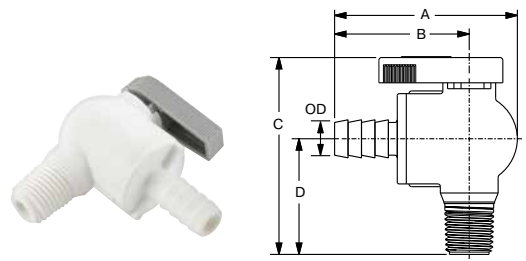
VMC - Valve Barbed Male Connector

Part No.	Hose ID	NPTF Thd.	OD	A	B	C	D	ØE Thru Hole Min.
PBPP4VMC4	1/4	1/4	.31	2.79	1.60	1.42	.50	.15
PBPP6VMC6	3/8	3/8	.43	2.79	1.60	1.42	.50	.19



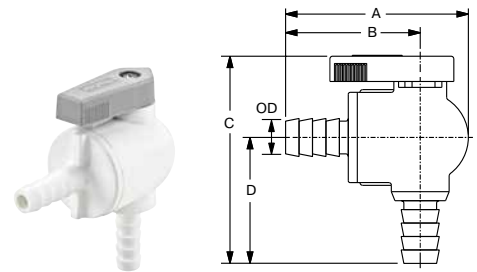
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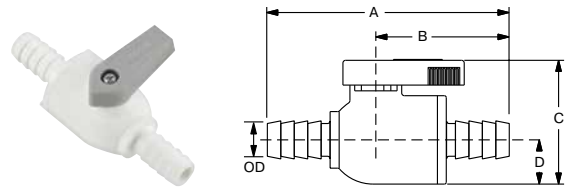
VME - Valve Barbed Male Elbow

Part No.	Hose ID	NPTF Thd.	OD	A	B	C	D	ØE Thru Hole Min.
PBPP4VME4	1/4	1/4	.31	2.13	1.60	2.18	1.28	.15
PBPP6VME6	3/8	3/8	.43	2.13	1.60	2.18	1.28	.19



VEU - Parbarb Elbow Ball Valve

Part No.	Hose ID	OD	A	B	C	D	ØE Thru Hole Min.
PBPP4VEU4	1/4	.31	2.13	1.57	2.32	1.40	.15
PBPP6VEU6	3/8	.43	2.13	1.60	2.32	1.40	.25
PBPP8VEU8	1/2	.55	2.13	1.60	2.32	1.40	.25



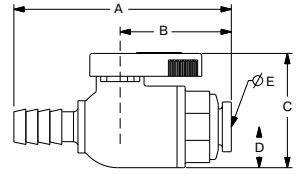
VUC - Valve Barbed Union Connector

Part No.	Hose ID	Tube OD	OD	A	B	C	D
PBPP4VUC4	1/4	.31	2.91	1.60	1.42	.50	.15
PBPP6VUC6	3/8	.43	2.91	1.60	1.42	.50	.19
PBPP8VUC8	1/2	.55	2.91	1.60	1.42	.50	.25



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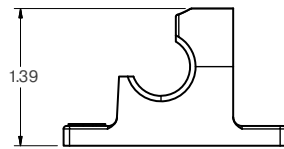
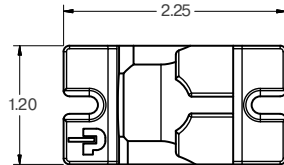


VUCPB - Valve Union Connector Barbed x Tube

Part No.	Hose ID	Tube OD	OD	A	B	C	D	ØE Thru Hole Min.
LFPP4VUCPB4	1/4	1/4	.31	2.40	1.08	1.42	.50	.15
LFPP6VUCPB6	3/8	3/8	.43	2.63	1.32	1.42	.50	.19

BVC Ball Valve Clip

BV-Clip Shown below holding VUCPB and VME



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CARTRIDGES

Carstick® Cartridges, LIQUIfit® Cartridges,
TrueSeal™ Cartridges, PLM/PLS Cartridges,
SAE Encapsulated Cartridges

CARTRIDGES



Parker has developed a range of cartridges guaranteeing the integrity of the sealing system before and after assembly in non-threaded cavities. The compact design of the one-piece cartridges enables automation of your manufacturing process and improves the reliability of your system.

Product Features:

- Self-centering of the cartridge in the cavity
- Push-in connection
- Designed for automation assembly process
- SAE & NSF cartridges available

Applications:

- Air
- Water
- Beverage Dispensing
- Cab Controls
- Packaging
- Labeling
- Vacuum

Markets:

- Industrial
- Pneumatic
- Filtration
- Semi-Conductor
- Life Science
- Automation
- Heavy Duty Truck

Specifications:

	Seals	Pressure	Temperature
Carstick	Nitrile	Up to 290 PSI (20 bar)	-4° to +175° F (-20° to +79.4° C)
PLM/PLS	FKM	Up to 435 PSI (30 bar)	-13° to +302° F (-25° to +150° C)
LIQUIfit	EPDM	Up to 230 PSI (15.9 bar)	35° to +200° F (+1.7° to +93.3° C)
TrueSeal	EPDM	Up to 150 PSI (10.3 bar)	-20° to +180° F (-28.9° to +82.2° C)
PTC	Nitrile	Up to 250 PSI (17.2 bar)	-40° to +200° F (-40° to +93.3° C)

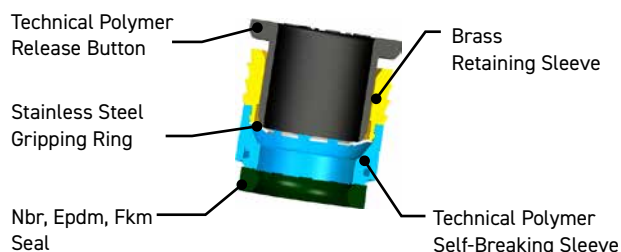


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CARSTICK® CARTRIDGES

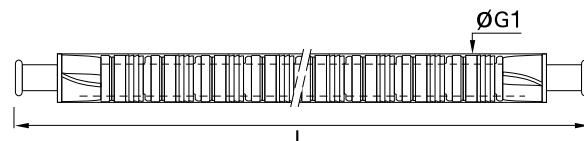
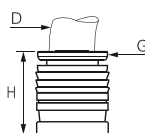
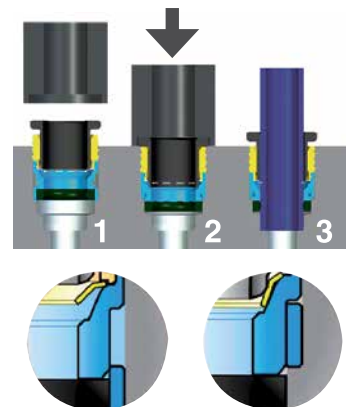
Component Materials



Installation

1. Self-centering of the cartridge in the cavity.
2. The seal protection is broken. The seal slides into the cavity. The cartridge is in place.
3. Tube connection.

Assembly Tool: For details on the assembly tool, please contact us.



3100 Carstick® Cartridge Brass

Part No.	OD	G	G1	H	L	kg
3100 04 00	4	8	11	10	554	.001
3100 06 00	6	10	14.5	11.5	629	.002
3100 08 00	8	13	15	15	794	.002
3100 10 00	10	15.5	19.5	17	930	.005
3100 12 00	12	19.5	21	19.5	1038	.010
3100 53 00 99	1/8	7	10	9	508	.002
3100 56 00 99	1/4	10.5	14.5	12	600	.003
3100 60 00 99	3/8	15.5	19	16.5	930	.006

50 cartridges per Carstick®

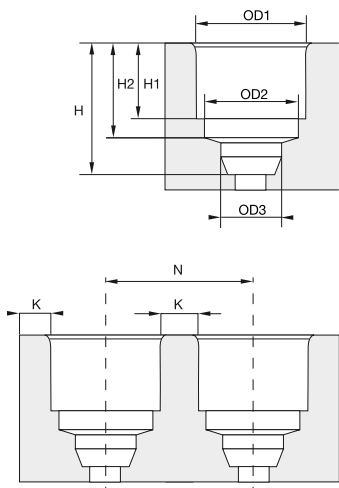


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Carstick® Cavity Dimensions

Please consult us for detailed drawings of cavity dimensions and tolerances. All our dimensions are in millimeters.



Carstick® & Quick Fitting Metric

Cavity	OD3	H	H1	H2
4	4.1	10	6	8.15
6	6.1	12	7.5	9.65
8	8.15	15.5	9.9	12.45
10	10.25	19	11.7	14.35
12	12.17	22	13.9	16.75

Polyamide Cavity

Cavity	OD1	OD2	N*	K
4	8.25	7.05	9.8	1.5
6	10.2	9.15	12.2	2
8	12.15	10.85	14.2	2
10	14.8	13.2	16.8	2
12	17.5	15.5	20	2.5

Aluminum Cavity

Cavity	OD1	OD2	N*	K
4	8.25	7.5	11.5	3
6	10.3	9.15	13.5	3
8	12.2	10.85	15.2	3
10	15.05	13.2	17.1	2
12	17.5	15.5	20	2.5

Brass Cavity

Cavity	OD1	OD2	N*	K
4	8.25	7.05	10.25	2
6	10.25	9.1	12.25	2
8	12.2	10.85	14.25	2
10	15.05	13.2	17.1	2
12	17.65	15.5	20	2.5

* Carstick®

Cavity	OD1	OD2	N	K
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	10.25	2
1/4	10.6	9.35	12.65	2

Carstick® Inch

Cavity	OD3	H	H1	H2
1/8	3.25	7.45	5.3	9.5
5/32 *	4.1	8.15	6	10
1/4	6.45	10.15	8	12.5
5/16 *	8.15	12.45	9.9	15.5
3/8	9.65	14.35	11.7	19
1/2	12.8	26.1	16.9	20.1

Cavity	OD1	OD2	N	K
1/8	7.05	6.02	8.6	1.5
5/32*	8.25	7.05	9.75	1.5
1/4	10.55	9.35	12.6	2
5/16*	12.15	10.85	14.2	2
3/8	14.8	13.1	16.8	2
1/2	19.86	17.82	24.85	2.5

Cavity	OD1	OD2	N	K
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	11.25	3
1/4	10.6	9.35	12.65	2
5/16*	12.2	10.85	15.2	3
3/8	15.05	13.1	17.1	2

*5/32"=4mm and 5/16"=8mm



WARNING

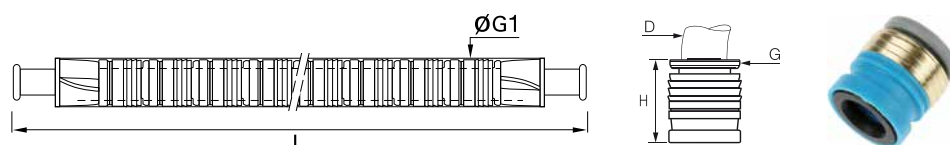
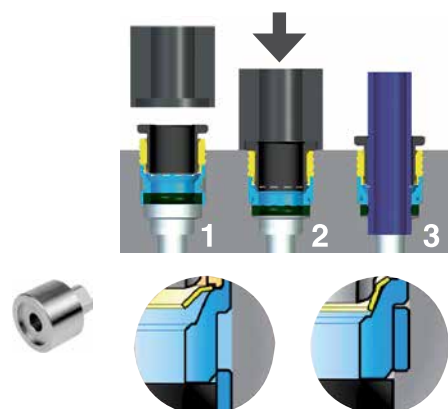
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LIQUIFIT® CARTRIDGES

Installation

1. Self-centering of the cartridge in the cavity.
2. The seal protection is broken. The seal slides into the cavity. The cartridge is in place.
3. Tube connection.

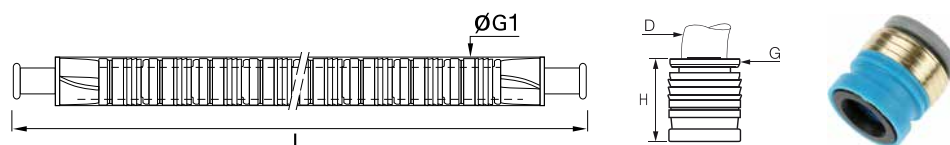
Assembly Tool: For details on the assembly tool, please contact us.



6300 LIQUIfit Cartridge Brass Metric

Part No.	OD	G	G1	H	L	kg
6300 04 00	4	8	11	10	554	.002
6300 06 00	6	10	14.5	11.5	629	.002
6300 08 00	8	13	15	15	794	.003
6300 10 00	10	15.5	19.5	17	930	.005
6300 12 00	12	18.5	21	19.5	1038	.010

50 cartridges per Carstick®



6300 LIQUIfit Cartridge Brass (in)ch

Part No.	OD	G	G1	H	L	kg
6300 56 00	1/4	10.5	14.5	12.5	600	.002
6300 60 00	3/8	15.5	19	17	930	.005
6300 62 00	1/2	22	25	23	1038	.011

50 cartridges per Carstick®
5/32" (4mm) and 5/16" (8mm) also available

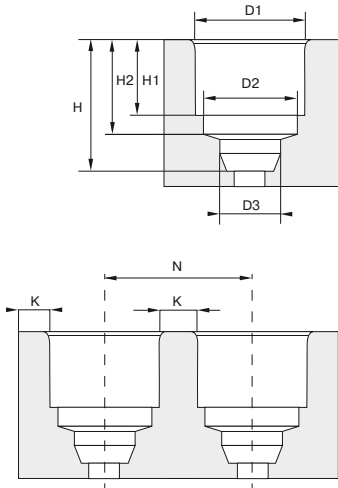


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LIQUIfit® Carstick® Cavity Dimensions

Please consult us for detailed drawings of cavity dimensions and tolerances. All our dimensions are in millimeters.



LIQUIfit® Carstick® Metric

Cavity	OD3	H	H1	H2
4	4.1	10	6	8.15
6	6.1	12	7.5	9.65
8	8.15	15.5	9.9	12.45
10	10.25	19	11.7	14.35
12	12.17	22	13.9	16.75

LIQUIfit® Carstick® Inch

Cavity	OD3	H	H1	H2
1/8	3.25	7.45	5.3	9.5
5/32*	4.1	8.15	6	10
1/4	6.45	10.15	8	12.5
5/16*	8.15	12.45	9.9	15.5
3/8	9.65	14.35	11.7	19

Polyamide Cavity

Cavity	OD1	OD2	N*	K
4	8.25	7.05	9.8	1.5
6	10.2	9.15	12.2	2
8	12.15	10.85	14.2	2
10	14.8	13.2	16.8	2
12	17.5	15.5	20	2.5

Cavity	OD1	OD2	N	K
1/8	7.05	6.02	8.6	1.5
5/32*	8.25	7.05	9.75	1.5
1/4	10.55	9.35	12.6	2
5/16*	12.15	10.85	14.2	2
3/8	14.8	13.1	16.8	2

Aluminum Cavity

Cavity	OD1	OD2	N*	K
4	8.25	7.5	11.5	3
6	10.3	9.15	13.5	3
8	12.2	10.85	15.2	3
10	15.05	13.2	17.1	2
12	17.5	15.5	20	2.5

Cavity	OD1	OD2	N	K
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	11.25	3
1/4	10.6	9.35	12.65	2
5/16*	12.2	10.85	15.2	3
3/8	15.05	13.1	17.1	2

Brass Cavity

Cavity	OD1	OD2	N*	K
4	8.25	7.05	10.25	2
6	10.25	9.1	12.25	2
8	12.2	10.85	14.25	2
10	15.05	13.2	17.1	2
12	17.65	15.5	20	2.5

Cavity	OD1	OD2	N	K
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	10.25	2
1/4	10.6	9.35	12.65	2
5/16*	12.2	10.85	14.25	2
3/8	10.05	13.1	17.1	2

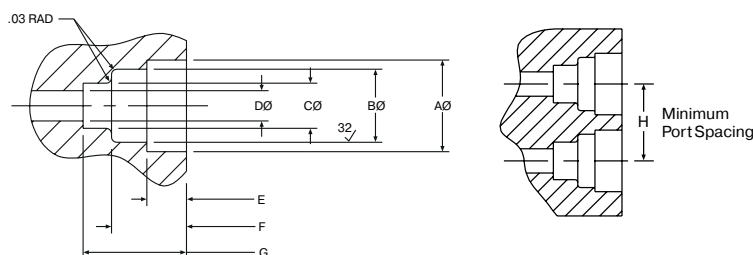
*5/32"=4mm and 5/16"=8mm



WARNING

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TRUESEAL™ CARTRIDGES



Parker TrueSeal™ Cartridge Inserts:

Allow you to machine or mold a tube connection into your equipment or components. By using cartridge inserts, you will reduce your material and assembly costs, reduce potential leak paths, and give your equipment a new, clean profile by eliminating the need for threaded connections. TSC Cartridge Inserts consist of 1 o-ring, 1 cartridge, and 1 collet.

*Cartridge inserts are rated at 150 PSI in ports dimensioned as above and having Noryl as the receiving material. Other materials may have different ratings and require different port dimensions. Consult the Fluid System Connectors Division when using polypropylene, unfilled polypropylene, ABS or Nylon.

Assembly Instructions:

1. Machine or mold the receiving orifice as per the above dimensions.
2. Place the cartridge insert squarely onto the prepared port opening making sure that the barbs of the cartridge are going into the hole and the lettering on the face of the cartridge is visible.
3. Using a rubber mallet or press, insert the cartridge into the first gland orifice until its face is flush with the top surface of the port.
4. Insert the o-ring into the cartridge and seat it evenly into the second gland orifice.
5. Insert the collet into the cartridge opening.
6. Insert tubing.



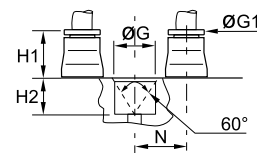
TSC - Cartridge (in)sert

Part Number with EPDM Seal	Nom. Tube O.D.	A* Diameter ±.002	B Diameter ±.003	C Diameter ±.003	D Diameter maximum	E Depth ±.002	F Depth ±.002	G Depth ±.002	H* Center Line of Ports Minimum
ATSC4-MG	1/4	.528	.421	.260	.19	.230	.435	.600	.670
ATSC6-MG	3/8	.632	.545	.385	.31	.280	.455	.705	.790
ATSC8-MG	1/2	.774	.668	.510	.41	.315	.510	.810	1.250



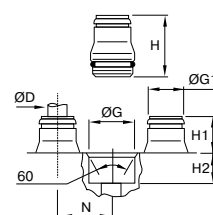
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PLM/PLS CARTRIDGES



PLMC Cartridge

Part No.	Tube Size (mm)	g + .1 - 0	H1 (mm)	H2 (mm)	N (mm)
PLMC-4M	4	10.00	9.00	8.50	11.00
PLMC-6M	6	12.00	11.00	8.50	13.50
PLMC-8M	8	15.00	12.50	8.50	16.00
PLMC-10M	10	17.50	14.50	10.50	20.00
PLMC-12M	12	19.50	15.00	10.50	22.50



PLSC Cartridge - Metric

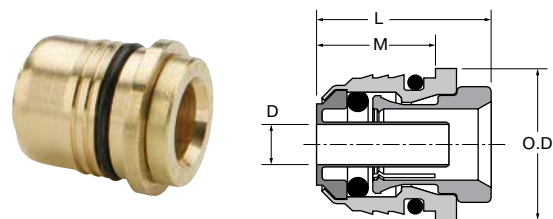
Part No.	Tube Size (mm)	g + .1 - 0 (mm)	G1 (mm)	H (mm)	H1 (mm)	H2 (mm)	N (mm)
PLSC-4M	4	9.80	8	18.00	9.50	8.50	11.00
PLSC-6M	6	12.10	10	20.00	11.50	8.50	13.50
PLSC-8M	8	14.80	13	22.00	13.50	8.50	16.00
PLSC-10M	10	17.50	15	25.50	15.00	10.50	20.00



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SAE ENCAPSULATED CARTRIDGES



PTCCE SAE Encapsulated Cartridge

Part No.	Tube Size	Cavity Size $\pm .002$	L	M	OD	Flow Dia. D
PTCCE-4	1/4	.504	.63	.43	.56	.13
PTCCE-4-8	1/4	.775	.63	.50	.88	.13
PTCCE-6	3/8	.65	.69	.48	.73	.22
PTCCE-6-8	3/8	.775	.71	.50	.88	.22
PTCCE-8	1/2	.775	.91	.69	.88	.34

Nominal Tube OD (in)	D1 (mm) $\pm .05$	D1 (in) $\pm .002$	L1 (mm) MIN	L1 (in) MIN	R1 (mm) $\pm .05$	R1 (in) $\pm .002$	R2 (mm) $\pm .05$	R2 (in) $\pm .002$	C1 (mm) $\pm .05$	C1 (in) $\pm .002$
1/4	12.8	.504	12.7	.5	.5	.02	.5	.02	.5	.02
3/8	16.5	.65	16.5	.65	.5	.02	.5	.02	.5	.02
1/2	19.7	.775	19.8	.78	.5	.02	.5	.02	.5	.02
5/8	23.5	.925	22.4	.88	.8	.03	.5	.02	.8	.03

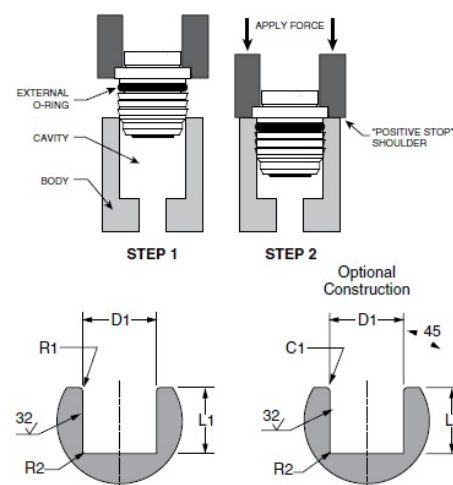
Cavity material is to be 6061 T6 aluminum

Cavity Specifications

Dimensions are per the SAE Standard J2494-4. The SAE Encapsulated Cartridge is thoroughly tested to meet or exceed the performance requirements of D.O.T. FMVSS 571.106 and SAE J1131 when used in a 6061-T6 aluminum cavity per SAE J2494-4. Cavity dimensions specified by SAE J2494-4 need to be adjusted slightly for optimum performance in material other than 6061-T6.

Installation

Apply force evenly over the top surface of the cartridge body until the cartridge shoulder bottoms out on the top of the cavity. The amount of force required will vary depending on the cartridge size and the material of the cavity.



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TRANSPORTATION PUSH-TO-CONNECT

**PTC & PTCR Composite Fittings, PTC Brass Fittings,
Metric Prestomatic Fittings, Parker Safe Lock, Pressure
Protection Valves, Shuttle Valves, Check Valves**



PTC & PTCR COMPOSITE FITTINGS



Parker's PTC & PTCR fittings are composite push-to-connect fittings that meet SAE and D.O.T. specifications. Designed for all D.O.T truck and trailer applications, Parker PTC fittings reduce assembly time versus compression style fittings.

Product Features:

- Brass Collet
- HNBR O-ring
- Stainless Steel Tube Support or Brass
- Meets D.O.T. FMVSS571.106
- Meets SAE J2494-3
- Composite Body – Strong, Lightweight, Compact and Impact Resistant
- Plug-in configurations

Markets:

- Heavy Duty Truck
- Trailer
- Mobile

Applications:

- Air Brakes
- Air Tanks
- Air Ride
- Sliders
- Tire Inflation
- Primary & Secondary Air Lines
- Cab Controls

Specifications:

Pressure Range Up to 250 PSI (17.2 bar)

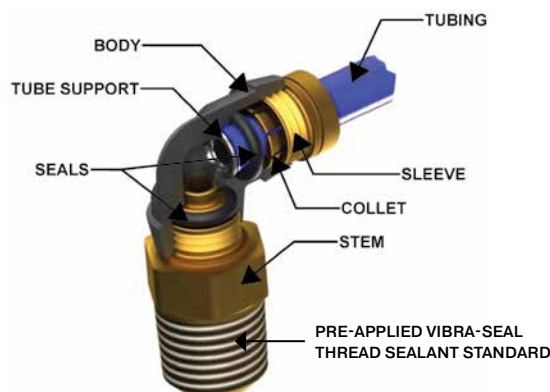
Temperature Range -50° to +230° F (-45.5° to +110° C)

Compatible Tubing:

- SAE J844 Type A & B nylon tubing

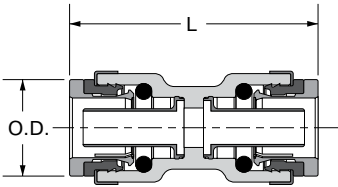
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.



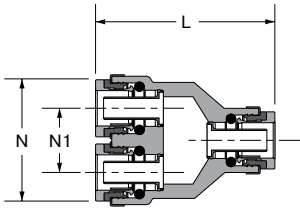
WARNING

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Union 32PTC

Part No.	TUBE SIZE	TUBE SIZE 2	L	O.D.
32PTC-4	1/4	1/4	1.33	.55
32PTC-6	3/8	3/8	1.65	.74
32PTC-8	1/2	1/2	1.86	.91
32PTC-10	5/8	5/8	2.15	1.05
32PTC-12	3/4	3/4	2.50	1.21
32PTC-10-12	5/8	3/4	2.91	1.21
32PTC-4-6M	1/4	6MM		.55
32PTC-6-4	3/8	1/4	1.57	.74
32PTC-8-6	1/2	3/8	1.95	.91



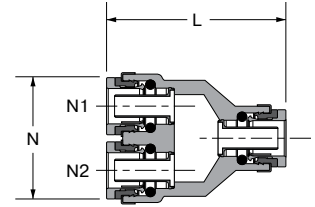
Union Y 362PTC

Part No.	Tube Size	L	N	N1
362PTC-4	1/4	1.52	1.06	.50
362PTC-6	3/8	2.03	1.43	.68
362PTC-8	1/2	2.20	1.74	.84



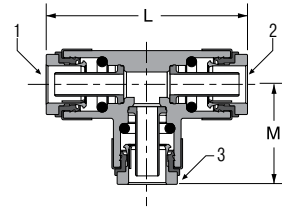
WARNING

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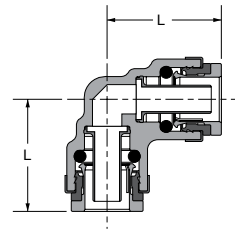
Unequal Union Y 362PTC

Part No.	Tube Size	L	N	N1	N2
362PTC-4-6	3/8	1.97	1.43	1/4	1/4
362PTC-4-6-6	3/8	2.03	1.43	1/4	3/8
362PTC-4-6-8	1/2	2.14	1.43	1/4	3/8
362PTC-6-4	1/4	2.10	1.43	3/8	3/8
362PTC-6-8-8	1/2	2.20	1.75	1/2	3/8
362PTC-8-4-8	1/2	2.20	1.74	1/2	1/4



Union Tee 364PTC

Part No.	Tube Size 1	Tube Size 2	Tube Size 3	L	M
364PTC-4	1/4	1/4	1/4	1.52	.76
364PTC-6	3/8	3/8	3/8	2.03	1.01
364PTC-8	1/2	1/2	1/2	2.29	1.15
364PTC-10	5/8	5/8	5/8	2.88	1.44
364PTC-6-6-4	3/8	3/8	1/4	2.03	.87
364PTC-6-6-5/32	3/8	3/8	5/32	2.02	1.01
364PTC-4-4-6	1/4	1/4	3/8	1.91	1.01
364PTC-4-6-4	1/4	3/8	1/4	1.77	.87



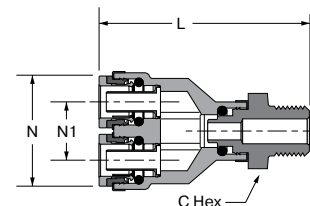
Union Elbow 365PTC

Part No.	Tube Size	L
365PTC-4	1/4	.76
365PTC-6	3/8	1.01
365PTC-8	1/2	1.13



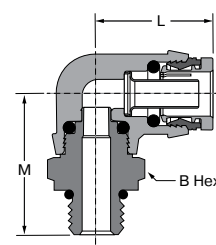
WARNING

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Union Y Male Connector VS368PTCR

Part No.	Tube Size	Pipe Thread	L	C Hex	N	N1
VS368PTCR-4-2	1/4	1/8	1.96	9/16	1.03	.50
VS368PTCR-4-4	1/4	1/4	2.12	9/16	1.03	.50
VS368PTCR-6-4	3/8	1/4	2.56	3/4	1.41	.68



Male Elbow Swivel 90° Metric Straight Thread 369PTCR

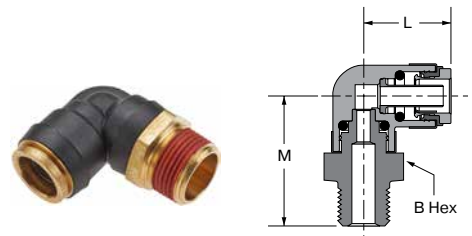
Part No.	Tube Size	Thread*	B Hex	L	M
369PTCR-4-MA12	1/4	M12X1.5	11/16	0.74	1.13
369PTCR-4-MA16	1/4	M16X1.5	7/8	0.74	1.16
369PTCR-4-MA22	1/4	M22X1.5	1 1/16	0.74	1.28
369PTCR-6-MA12	3/8	M12X1.5	3/4	1.01	1.22
369PTCR-6-MA16	3/8	M16X1.5	7/8	1.01	1.29
369PTCR-6-MA22	3/8	M22X1.5	1 1/16	1.01	1.28
369PTCR-8-MA12	1/2	M12X1.5	15/16	1.13	1.39
369PTCR-8-MA16	1/2	M16X1.5	15/16	1.13	1.41
369PTCR-8-MA22	1/2	M22X1.5	1 1/16	1.13	1.4
369PTCR-10-MA12	5/8	M12X1.5	1 1/16	1.36	1.63
369PTCR-10-MA16	5/8	M16X1.5	1 1/16	1.36	1.58
369PTCR-10-MA22	5/8	M22X1.5	1 1/16	1.36	1.57
369PTCR-12-MA22	3/4	M22X1.5	1 3/16	1.47	1.84

*Per ISO 4039



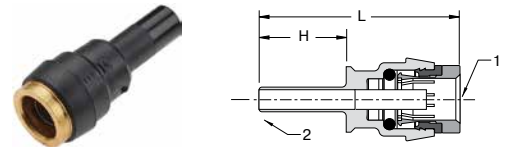
WARNING

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Male Elbow Swivel 90° VS369PTCR

Part No.	Tube Size	Pipe Thread	B Hex	L	M
VS369PTCR-4-2	1/4	1/8	9/16	.74	1.00
VS369PTCR-4-4	1/4	1/4	9/16	.74	1.14
VS369PTCR-4-6	1/4	3/8	11/16	.74	1.14
VS369PTCR-4-8	1/4	1/2	7/8	.74	1.35
VS369PTCR-6-2	3/8	1/8	3/4	1.01	1.24
VS369PTCR-6-4	3/8	1/4	3/4	1.01	1.45
VS369PTCR-6-6	3/8	3/8	3/4	1.01	1.28
VS369PTCR-6-8	3/8	1/2	7/8	1.01	1.49
VS369PTCR-8-4	1/2	1/4	15/16	1.13	1.42
VS369PTCR-8-6	1/2	3/8	15/16	1.13	1.42
VS369PTCR-8-8	1/2	1/2	15/16	1.13	1.61
VS369PTCR-10-6	5/8	3/8	1-1/16	1.36	1.61
VS369PTCR-10-8	5/8	1/2	1-1/16	1.36	1.80
VS369PTCR-12-8	3/4	1/2	1-3/16	1.47	1.91
VS369PTCR-12-12	3/4	3/4	1-3/16	1.47	1.87



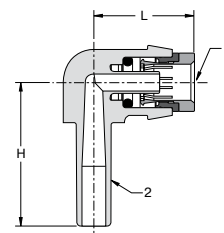
Plug-In Adapter 37PTCSP

Part No.	Tube Size 1	Tube Size 2	H	L
37PTCSP-4-6	1/4	3/8	.90	1.71
37PTCSP-6-4	3/8	1/4	.76	1.66
37PTCSP-10-8	5/8	1/2	1.10	2.44



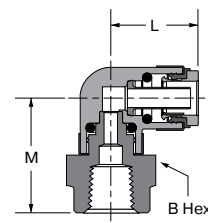
WARNING

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Plug-In Elbow 369PTCSP

Part No.	Tube Size 1	Tube Size 2	H	L
369PTCSP-4-4	1/4	1/4	1.06	.74
369PTCSP-4-6	1/4	3/8	1.20	.74
369PTCSP-6-4	3/8	1/4	1.18	.96
369PTCSP-6-6	3/8	3/8	1.32	0.96
369PTCSP-6-8	3/8	1/2	1.52	.96
369PTCSP-8-4	1/2	1/4	1.16	1.12
369PTCSP-8-6	1/2	3/8	1.30	1.12
369PTCSP-8-8	1/2	1/2	1.50	1.12
369PTCSP-10-8	5/8	1/2	1.57	1.36
369PTC-10-10	5/8	5/8	1.75	1.36



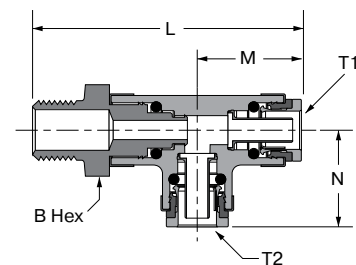
Female Elbow Swivel 90° 370PTCR

Part No.	Tube Size	Pipe Thread	B Hex	L	M
370PTCR-4-2	1/4	1/8	9/16	.74	.94
370PTCR-4-4	1/4	1/4	11/16	.74	1.20
370PTCR-6-2	3/8	1/8	3/4	1.01	.75
370PTCR-6-4	3/8	1/4	3/4	1.01	1.04
370PTCR-6-6	3/8	3/8	3/4	1.01	1.19
370PTCR-8-6	1/2	3/8	3/4	1.13	1.24
370PTCR-8-8	1/2	1/2	15/16	1.13	1.49



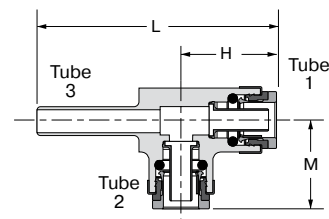
WARNING

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Male Run Tee Swivel VS371PTCR

Part No.	Tube Size 1	Tube Size 2	Pipe Thread	B Hex	L	M	N
VS371PTCR-4-2	1/4	1/4	1/8	9/16	1.80	.76	.76
VS371PTCR-4-4	1/4	1/4	1/4	9/16	1.94	.76	.76
VS371PTCR-6-4	3/8	3/8	1/4	3/4	2.25	1.01	1.01
VS371PTCR-6-6	3/8	3/8	3/8	3/4	2.25	1.01	1.01
VS371PTCR-8-4	1/2	1/2	1/4	15/16	2.59	1.15	1.15
VS371PTCR-8-6	1/2	1/2	3/8	15/16	2.59	1.15	1.15
VS371PTCR-8-8	1/2	1/2	1/2	15/16	2.78	1.15	1.15
371PTCR-4-6	1/4	1/4	3/8	11/16	1.94	.76	.76
371PTCR-8-4-8	1/2	1/4	1/2	15/16	2.78	1.15	1.23
371PTCR-4-6-4	1/4	3/8	1/4	3/4	2.25	1.01	.96



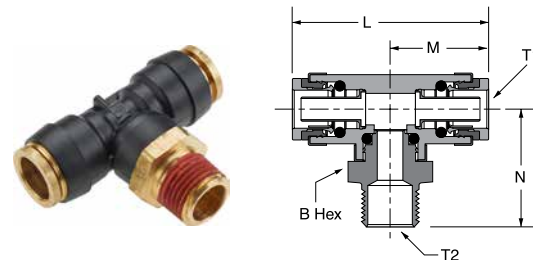
Plug-In Run Tee 371PTCSP

Part No.	Tube Size 1	Tube Size 2	Tube Size 3	H	L	M
371PTCSP-4-4	1/4	1/4	1/4	.78	1.84	.76
371PTCSP-4-6	1/4	1/4	3/8	.78	1.98	.76
371PTCSP-6-4	3/8	3/8	1/4	1.01	2.11	1.01
371PTCSP-6-6	3/8	3/8	3/8	1.01	2.25	1.01
371PTCSP-6-4-6	3/8	1/4	3/8	0.76	2.24	1.01
371PTCSP-8-4-8	1/2	1/4	1/2	0.96	2.58	1.15



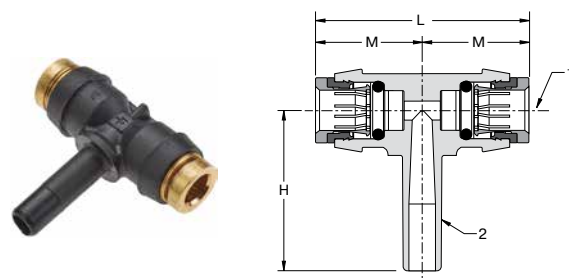
WARNING

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Male Branch Tee Swivel VS372PTCR

Part No.	Tube Size	Pipe Thread	B Hex	L	M	N
VS372PTCR-4-2	1/4	1/8	1/8	1.52	.75	1.04
VS372PTCR-4-4	1/4	1/4	9/16	1.52	.76	1.18
VS372PTCR-4-6	1/4	3/8	11/16	1.52	.76	1.18
VS372PTCR-6-2	3/8	1/8	3/4	2.03	1.01	1.16
VS372PTCR-6-4	3/8	1/4	1/4	2.03	1.01	1.27
VS372PTCR-6-6	3/8	3/8	3/4	2.02	1.01	1.27
VS372PTCR-6-8	3/8	1/2	7/8	2.03	1.01	1.45
VS372PTCR-8-4	1/2	1/4	1/4	2.30	1.15	1.42
VS372PTCR-8-6	1/2	3/8	3/8	2.30	1.15	1.42
VS372PTCR-8-8	1/2	1/2	1/2	2.30	1.15	1.61
VS372PTCR-10-8	5/8	1/2	1 1/16	2.88	1.44	1.80
VS372PTCR-4-6-4	1/4-3/8	1/4	3/4	1.91	.90/1.01	1.23
VS372PTCR-6-4-6	3/8-1/4	3/8	3/4	1.91	.90/1.01	1.23
VS372PTCR-6-8-8	3/8-1/2	1/2	15/16	2.38	1.15	1.61



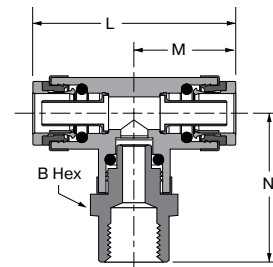
Plug-In Branch Tee 372PTCSP

Part No.	Tube Size 1	Tube Size 2	H	L	M
372PTCSP-4-4	1/4	1/4	1.05	1.48	.74
372PTCSP-4-6	1/4	3/8	1.19	1.48	.74
372PTCSP-6-4	3/8	1/4	1.18	2.02	1.01
372PTCSP-6-6	3/8	3/8	1.32	2.02	1.01



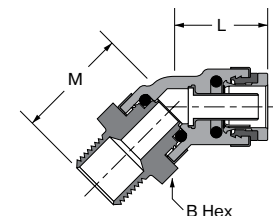
WARNING

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Female Branch Tee Swivel 377PTCR

Part No.	Tube Size	Pipe Thread	B Hex	L	M	N
377PTCR-4-4	1/4	1/4	3/4	1.48	.74	1.27
377PTCR-6-2	3/8	1/8	3/4	2.03	1.01	.78
377PTCR-6-4	3/8	1/4	3/4	2.03	1.01	1.07
377PTCR-10-4	5/8	1/4	1 1/16	2.88	1.44	1.23



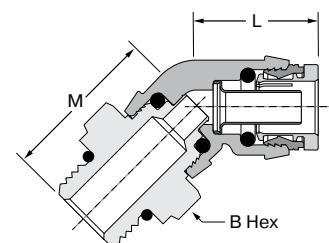
Male Elbow Swivel 45° VS379PTCR

Part No.	Tube Size	Pipe Thread	B Hex	L	M
VS379PTCR-4-2	1/4	1/8	9/16	.68	.91
VS379PTCR-4-4	1/4	1/4	9/16	.68	1.05
VS379PTCR-4-6	1/4	3/8	9/16	.68	1.05
VS379PTCR-6-2	3/8	1/8	3/4	.89	.97
VS379PTCR-6-4	3/8	1/4	3/4	.89	1.10
VS379PTCR-6-6	3/8	3/8	3/4	.89	1.11
VS379PTCR-6-8	3/8	1/2	7/8	.89	1.32
VS379PTCR-8-4	1/2	1/4	15/16	1.03	1.22
VS379PTCR-8-6	1/2	3/8	15/16	1.03	1.24
VS379PTCR-8-8	1/2	1/2	15/16	1.03	1.41
VS379PTCR-10-6	5/8	3/8	1-1/16	1.21	1.43
VS379PTCR-10-8	5/8	1/2	1-1/16	1.21	1.62
VS379PTCR-12-8	3/4	1/2	1-3/16	1.29	1.72



WARNING

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Male Elbow Swivel 45° Metric Straight Thread 379PTCR

Part No.	Tube Size	Thread*	B Hex	L	M
379PTCR-4-MA12	1/4	M12 X 1.5	1 1/16	0.68	1.05
379PTCR-4-MA16	1/4	M16 X 1.5	7/8	0.68	1.07
379PTCR-4-MA22	1/4	M22 X 1.5	1 1/16	0.68	1.19
379PTCR-6-MA12	3/8	M12 X 1.5	3/4	0.89	1.09
379PTCR-6-MA16	3/8	M16 X 1.5	7/8	0.89	1.16
379PTCR-6-MA22	3/8	M22 X 1.5	1 1/16	0.89	1.16
379PTCR-8-MA12	1/2	M12 X 1.5	15/16	1.03	1.21
379PTCR-8-MA16	1/2	M16 X 1.5	15/16	1.03	1.21
379PTCR-8-MA22	1/2	M22 X 1.5	1 1/16	1.03	1.21
379PTCR-10-MA12	5/8	M12 X 1.5	1 1/16	1.21	1.45
379PTCR-10-MA16	5/8	M16 X 1.5	1 1/16	1.21	1.4
379PTCR-10-MA22	5/8	M22 X 1.5	1 1/16	1.21	1.4

*Per ISO 4039



WARNING

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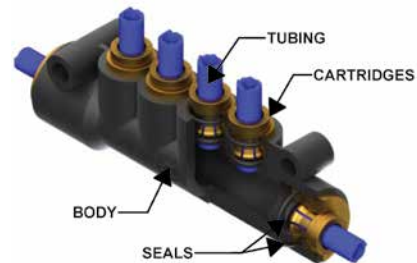
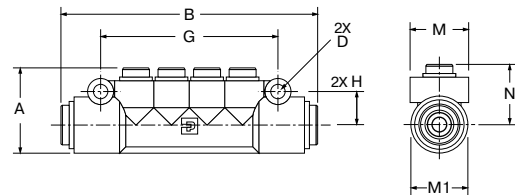


Presto Manifold 24M

Part No.	Tube O.D. Inlet	Tube O.D. Outlet	A	B	D	G	H	M	M1	N
24M-4-4	1/4	1/4	1.33	4.15	.21	2.75	.53	.90	.88	.89
24M-6-4	3/8	1/4	1.33	3.99	.21	2.75	.53	.90	.88	.89
24M-6-6	3/8	3/8	1.65	6.49	.22	4.55	.60	1.02	1.02	1.33
24M-8-8	1/2	1/2	1.65	6.49	.22	4.55	.60	1.02	1.02	1.33
24M-8-6446	1/2	3/8 - 1/4	1.65	6.51	.22	4.55	.64	1.02	1.02	1.17

Assembly Instructions

1. Cut tubing squarely with Parker tube cutter PTC-001. Be certain that Manifold ports are clean and free of debris.
2. Insert tubing into port until it bottoms. Pull on tubing to verify that it is properly retained in the manifold.
3. To disassemble, simply hold release button against the manifold body and remove the tubing.
4. To reassemble, make certain that the Manifold ports are clean and free of debris and lubricate leading end of the tubing with light oil or petroleum jelly.



WARNING

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AQRT - Quick Release Tool

Makes disconnection of tube adapters and tubing a breeze.



PTCB Collet Caps

	Tube O.D.			
	1/4	3/8	1/2	5/8
WHITE PART NO.	4-PTCB-W	6-PTCB-W	8-PTCB-W	10-PTCB-W
BLACK PART NO.	4-PTCB-BL	6-PTCB-BL	8-PTCB-BL	10-PTCB-BL
GREEN PART NO.	4-PTCB-G	6-PTCB-G	8-PTCB-G	10-PTCB-G
RED PART NO.	4-PTCB-R	6-PTCB-R	8-PTCB-R	10-PTCB-R
BLUE PART NO.	4-PTCB-BU	6-PTCB-BU	8-PTCB-BU	
YELLOW PART NO.	4-PTCB-Y	6-PTCB-Y	8-PTCB-Y	10-PTCB-Y
BROWN PART NO.	4-PTCB-BR	6-PTCB-BR	8-PTCB-BR	10-PTCB-BR
GREY PART NO.	4-PTCB-GR	6-PTCB-GR	8-PTCB-GR	10-PTCB-GR
ORANGE PART NO.	4-PTCB-O	6-PTCB-O	8-PTCB-O	10-PTCB-O
PURPLE PART NO.	4-PTCB-PU	6-PTCB-PU	8-PTCB-PU	10-PTCB-PU
DARK PURPLE PART NO.	4-PTCB-DPU	6-PTCB-DPU	8-PTCB-DPU	10-PTCB-DPU



WARNING

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PTC BRASS FITTINGS



Parker's PTC Brass Fittings are robust, all brass push-to-connect fittings that meet SAE and D.O.T. specifications. Designed for all D.O.T truck and trailer applications, Parker PTC Brass fittings reduce assembly time versus compression style fittings by 90%.

Product Features:

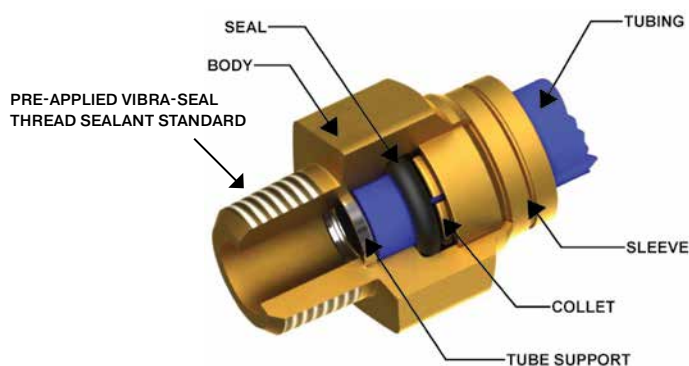
- Brass Collet
- Buna N O-ring
- Stainless Steel Tube Support
- Meets D.O.T. FMVSS571.106
- Meets SAE J2494 & SAE J2494-3

Markets:

- Heavy Duty Truck
- Trailer
- Mobile

Applications:

- Air Brakes
- Air Tanks
- Air Ride
- Sliders
- Tire Inflation
- Primary & Secondary Air Lines



Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.

Specifications:

Pressure Range Up to 250 PSI (17.2 bar)

Temperature Range -50° to +230° F (-45.5° to +110° C)

Temperature Range (3/16" & 5/32 only) -40 to +200F (-40 to +93.3C)

Compatible Tubing:

- SAE J844 Type A & B nylon tubing



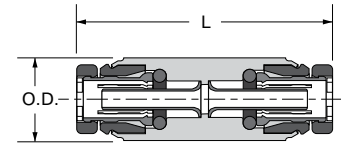
Note:

5/32 and 3/16 units have black button



WARNING

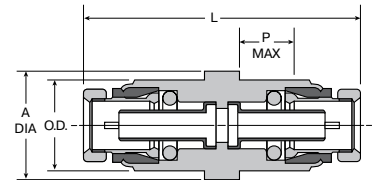
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Union 62PTC

Part No.	Tube Size 1	Tube Size 2	L	O.D.
62PTC-5/32*	5/32	5/32	1.35	.41
62PTC-3*	3/16	3/16	1.36	.44
62PTC-4	1/4	1/4	1.37	1/2
62PTC-6	3/8	3/8	1.77	3/4
62PTC-6-4	3/8	1/4	1.57	3/4
62PTC-4-5/32	1/4	5/32		
62PTC-8	1/2	1/2	1.92	7/8
62PTC-10	5/8	5/8	2.32	1

*5/32 and 3/16 with black button



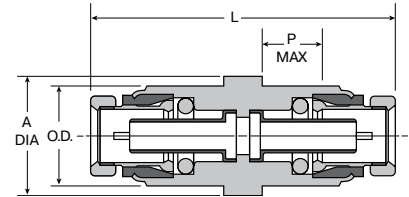
Bulkhead Union 62PTCBH

Part No.	Tube Size (in)	OD (in)	L (in)	P Max (in)	Hex A (in)	Hex B (in)	Bulkhead Hole Dia. (in)
62PTCBH-4	1/4	.56	1.69	.25	11/16	3/4	9/16
62PTCBH-6	3/8	.88	1.93	.44	1 1/16	1 1/16	7/8
62PTCBH-8	1/2	1.00	2.02	.58	1 1/4	1 1/4	1
62PTCBH-10	5/8	1.12	2.40	.81	1 1/4	1 3/8	1-1/8



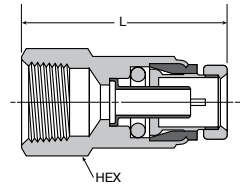
WARNING

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Retaining Ring Bulkhead Union 62PTCBHR

Part No.	Tube Size (in)	OD (in)	Rec. Hole Size (in)	L (in)	P Max (in)	A Dia (in)
62PTCBHR-4	1/4	.500	.512	1.53	.26	.625
62PTCBHR-6	3/8	.750	.762	1.92	.36	.875
62PTCBHR-8	1/2	.875	.887	2.15	.43	1.000
62PTCBHR-10	5/8	1.000	1.012	2.32	.48	1.250



Female Connector 66PTC

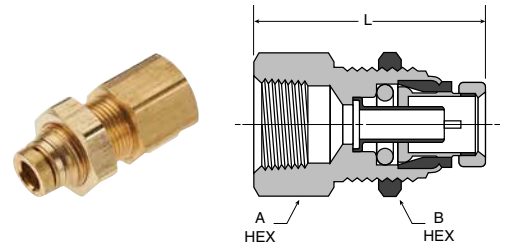
Part No.	Tube Size	Pipe Thd	L	Hex
66PTC-5/32-2*	5/32	1/8	1.16	9/16
66PTC-5/32-4*	5/32	1/4	1.33	11/16
66PTC-3-2*	3/16	1/8	1.17	9/16
66PTC-4-2	1/4	1/8	1.17	9/16
66PTC-4-4	1/4	1/4	1.37	11/16
66PTC-4-6	1/4	3/8		
66PTC-6-2	3/8	1/8	1.38	3/4
66PTC-6-4	3/8	1/4	1.59	3/4
66PTC-6-6	3/8	3/8	1.59	3/4
66PTC-8-4	1/2	1/4	1.61	7/8
66PTC-8-6	1/2	3/8	1.87	15/16
66PTC-8-8	1/2	1/2	1.87	15/16
66PTC-10-6	5/8	3/8		
66PTC-10-8	5/8	1/2	2.02	1

*5/32 and 3/16 with black button



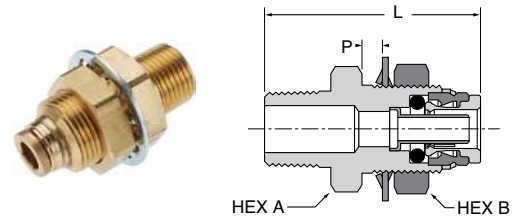
WARNING

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Bulkhead Female Connector 66PTCBH

Part No.	Tube Size (in)	Pipe Thd (in)	L (in)	Hex A (in)	Hex B (in)	Bulkhead Hole Dia. (in)
66PTCBH-4-4	1/4	1/4	1.62	11/16	3/4	9/16
66PTCBH-6-6	3/8	3/8	1.87	1.06	1.06	7/8
66PTCBH-8-8	1/2	1/2	2.02	1 1/4	1 1/4	1



Bulkhead Male Connector 68PTCBH

Part No.	Tube Size (in)	Pipe Thd (in)	L (in)	P Max (in)	Hex A (in)	Hex B (in)	Bulkhead Hole Dia. (in)
68PTCBH-6-8	3/8	1/2	2.37	.33	1 1/4	1 1/4	1
68PTCBH-8-8	1/2	1/2	2.38	.33	1 1/4	1 1/4	1

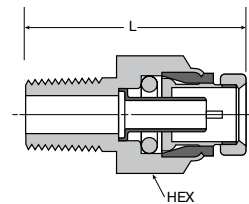


WARNING

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*5/32 and 3/16
with black button



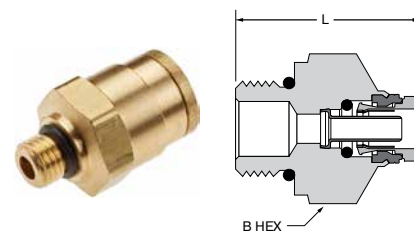
Male Connector VS68PTC

Part No.	Tube Size	Pipe Thd	Hex	L
VS68PTC-5/32-1*	5/32	1/16	7/16	.84
VS68PTC-5/32-2*	5/32	1/8	7/16	.92
VS68PTC-5/32-4*	5/32	1/4	9/16	1.02
VS68PTC-3-1*	3/16	1/16	7/16	.93
VS68PTC-3-2*	3/16	1/8	7/16	.85
VS68PTC-3-4*	3/16	1/4	9/16	1.02
VS68PTC-4-2	1/4	1/8	1/2	.98
VS68PTC-4-4	1/4	1/4	9/16	1.02
VS68PTC-4-6	1/4	3/8	11/16	.93
VS68PTC-4-8	1/4	1/2	7/8	1.12
VS68PTC-6-2	3/8	1/8	11/16	1.29
VS68PTC-6-4	3/8	1/4	11/16	1.44
VS68PTC-6-6	3/8	3/8	11/16	1.44
VS68PTC-6-8	3/8	1/2	7/8	1.63
VS68PTC-8-4	1/2	1/4	7/8	1.51
VS68PTC-8-6	1/2	3/8	7/8	1.46
VS68PTC-8-8	1/2	1/2	7/8	1.46
VS68PTC-10-6	5/8	3/8	1	1.74
VS68PTC-10-8	5/8	1/2	1	1.81
VS68PTC-12-8	3/4	1/2	1 1/8	1.89
VS68PTC-12-12	3/4	3/4	1/4	1.89



WARNING

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Male Connector Metric Straight Thread 68PTC

Part No.	Tube Size	Thd*	B HEX	L
68PTC-4-MA12	1/4	MA12	11/16	1.14
68PTC-4-MA16	1/4	MA16	7/8	1.21
68PTC-4-MA22	1/4	MA22	1 1/16	1.21
68PTC-6-MA12	3/8	MA12	3/4	1.31
68PTC-6-MA16	3/8	MA16	7/8	1.23
68PTC-6-MA22	3/8	MA22	1 1/16	0.74
68PTC-8-MA12	1/2	MA12	7/8	1.37
68PTC-8-MA16	1/2	MA16	7/8	1.39
68PTC-8-MA22	1/2	MA22	1 1/16	0.91
68PTC-10-MA12	5/8	MA12	1	1.67
68PTC-10-MA16	5/8	MA16	1	1.61
68PTC-10-MA22	5/8	MA22	1 1/16	1.37

*Per ISO 4039

*5/32 and 3/16
with black button



Union Tee 164PTC

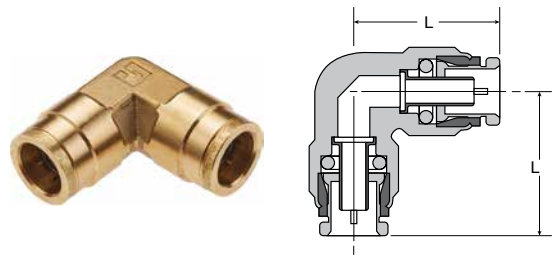
Part No.	Tube 1 Size	Tube 2 Size	L1	L2
164PTC-5/32*	5/32	5/32	.77	.77
164PTC-3*	3/16	3/16	.77	.77
164PTC-4	1/4	1/4	.85	.85
164PTC-6	3/8	3/8	.81	.81
164PTC-6-6-4	3/8	1/4	1.10	.90
164PTC-8	1/2	1/2	1.31	1.31
164PTC-10	5/8	5/8	1.57	1.57

*5/32 and 3/16 with black button



WARNING

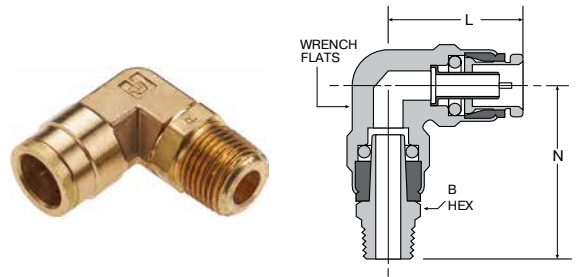
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Union Elbow 165PTC

Part No.	Tube Size	L
165PTC-5/32*	5/32	.79
165PTC-3*	3/16	.77
165PTC-4	1/4	.80
165PTC-6	3/8	1.20
165PTC-8	1/2	1.22
165PTC-10	5/8	1.49

*5/32 and 3/16 with black button



Male Elbow 90° 169PTC

Part No.	Tube Size	Pipe Thd.	L	N	Wrench Flats	B Hex
169PTC-4-2	1/4	1/8	.85	.96	1/2	9/16
169PTC-4-4	1/4	1/4	.85	1.22	1/2	9/16
169PTC-4-6	1/4	3/8	.85	1.22	1/2	11/16
169PTC-6-2	3/8	1/8	1.02	1.21	9/16	11/16
169PTC-6-4	3/8	1/4	1.02	1.33	9/16	11/16
169PTC-6-6	3/8	3/8	1.02	1.33	9/16	11/16
169PTC-6-8	3/8	1/2	1.02	1.33	9/16	7/8
169PTC-8-4	1/2	1/4	1.16	1.40	11/16	11/16
169PTC-8-6	1/2	3/8	1.16	1.42	11/16	11/16
169PTC-8-8	1/2	1/2	1.16	1.63	11/16	7/8
169PTC-10-6	5/8	3/8	1.47	1.41	7/8	7/8
169PTC-10-8	5/8	1/2	1.47	1.6	7/8	7/8

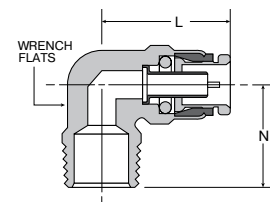
*Add VS prefix to order with Vibra Seal



WARNING

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*5/32 and 3/16
with black button



Male Elbow Rigid 90° 169PTCNS

Part No.	Tube Size	Pipe Thd.	L	N	Wrench Flats
169PTCNS-5/32-1*	5/32	1/16	.79	.62	3/8
169PTCNS-5/32-2*	5/32	1/8	.83	.65	3/8
169PTCNS-5/32-4*	5/32	1/4	.77	.85	1/2
169PTCNS-3-2*	3/16	1/8	.77	.65	3/8
169PTCNS-3-4*	3/16	1/4	.77	.85	1/2
169PTCNS-4-2	1/4	1/8	.81	.72	1/2
169PTCNS-4-4	1/4	1/4	.85	.84	1/2
169PTCNS-4-6	1/4	3/8	.85	.96	1/2
169PTCNS-6-2	3/8	1/8	1.01	.76	9/16
169PTCNS-6-4	3/8	1/4	1.02	.94	9/16
169PTCNS-6-6	3/8	3/8	1.02	.90	9/16
169PTCNS-6-8	3/8	1/2	1.07	1.20	11/16
169PTCNS-8-4	1/2	1/4	1.16	1.06	11/16
169PTCNS-8-6	1/2	3/8	1.16	1.06	11/16
169PTCNS-8-8	1/2	1/2	1.16	1.19	11/16
169PTCNS-10-6	5/8	3/8	1.49	1.05	7/8
169PTCNS-10-8	5/8	1/2	1.48	1.24	7/8
169PTCNS-12-8	3/4	1/2	1.61	1.39	1
169PTCNS-12-12	3/4	3/4	1.61	1.50	1

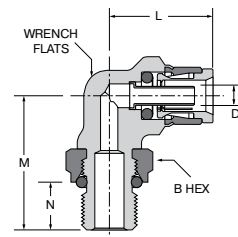
*5/32 and 3/16 with black button

**Add VS prefix to order with Vibra Seal



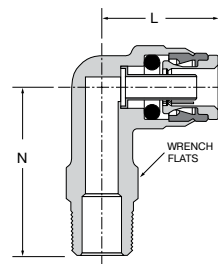
WARNING

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Male Elbow to Metric Adjustable 169PTCNS

Part No.	Tube Size	Metric Thd.	Wrench Flats (mm)	Hex (mm)	L	M	N
169PTCNS-4-M12	1/4	M12X1.5	10	17	.80	1.11	.32
169PTCNS-4-M16	1/4	M16X1.5	11	24	.88	1.27	.34
169PTCNS-4-M22	1/4	M22X1.5	19	30	.94	1.48	.40
169PTCNS-6-M12	3/8	M12X1.5	16	17	1.00	1.15	.37
169PTCNS-6-M16	3/8	M16X1.5	19	24	1.18	1.27	.31
169PTCNS-8-M12	1/2	M12X1.5	16	17	1.20	1.22	.37
169PTCNS-8-M16	1/2	M16X1.5	16	24	1.20	1.28	.41
169PTCNS-8-M22	1/2	M22X1.5	19	30	1.20	1.48	.41



Male Elbow Long Rigid 90° 169PTCNSL

Part No.	Tube Size	Pipe Thd.	L	N	Wrench Flats
169PTCNSL-6-4	3/8	1/4	1.01	1.63	9/16
169PTCNSL-6-8	3/8	1/2	1.19	2.50	7/8
169PTCNSL-6-6	3/8	3/8	1.19	2.50	7/8
169PTCNSL-8-8	1/2	1/2	1.22	2.50	7/8

*Add VS prefix to order with Vibra Seal



WARNING

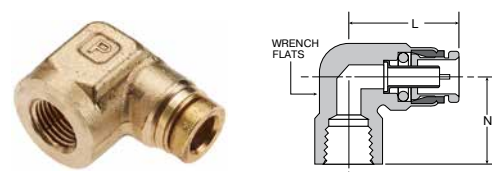
These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



Female Elbow Swivel 90° 170PTC

Part No.	Tube Size	Pipe Thd.	L	N	Hex	Wrench Flats
170PTC-4-2	1/4	1/8	.85	1.06	9/16	1/4

*Add VS prefix to order with Vibra Seal



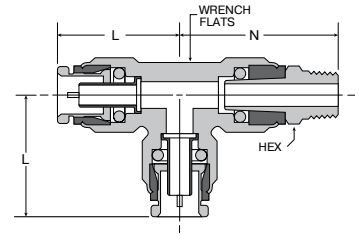
Female Elbow Rigid 90° 170PTCNS

Part No.	Tube Size	Pipe Thd.	L	N	Wrench Flats
170PTCNS-4-2	1/4	1/8	.84	.56	11/16
170PTCNS-4-4	1/4	1/4	.91	.67	11/16
170PTCNS-6-2	3/8	1/8	1.07	.51	9/16
170PTCNS-6-4	3/8	1/4	1.07	.84	9/16
170PTCNS-6-6	3/8	3/8	1.24	.69	7/8
170PTCNS-8-4	1/2	1/4	1.25	.75	11/16
170PTCNS-8-6	1/2	3/8	1.36	.80	11/16
170PTCNS-8-8	1/2	1/2	1.63	.97	1
170PTCNS-5/32-2	5/32	1/8			



WARNING

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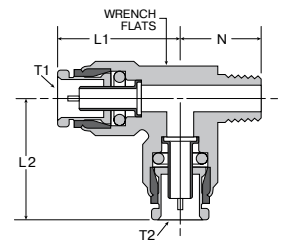


Male Run Tee Swivel 171PTC

Part No.	Tube Size	Pipe Thd.	L	N	Hex	Wrench Flats
171PTC-4-2	1/4	1/8	.82	1.01	9/16	1/2
171PTC-4-4	1/4	1/4	.82	1.23	9/16	1/2
171PTC-4-6	1/4	3/8	.82	1.23	11/16	1/2
171PTC-6-4	3/8	1/4	1.10	1.35	11/16	5/8
171PTC-6-6	3/8	3/8	1.10	1.38	11/16	5/8
171PTC-8-4	1/2	1/4	1.31	1.45	11/16	3/4
171PTC-8-6	1/2	3/8	1.31	1.48	11/16	3/4
171PTC-8-8	1/2	1/2	1.31	1.69	7/8	3/4

*Add VS prefix to order with Vibra Seal

*5/32 and 3/16
with black button



Male Run Tee Rigid 171PTCNS

Part No.	Tube 1 Size	Tube 2 Size	Pipe Thd.	L1	L2	N	Wrench Flats
171PTCNS-5/32-2*	5/32	5/32	1/8	.76	.76	.75	7/16
171PTCNS-5/32-4*	5/32	5/32	1/4	.76	.76	.88	7/16
171PTCNS-3-2*	3/16	3/16	1/8	.77	.77	.75	7/16
171PTCNS-4-2	1/4	1/4	1/8	.91	.91	.77	15/32
171PTCNS-4-4	1/4	1/4	1/4	.88	.88	.91	15/32
171PTCNS-4-6-4	1/4	3/8	1/4	.88	1.10	.97	5/8
171PTCNS-6-4	3/8	3/8	1/4	1.10	1.10	.97	5/8
171PTCNS-6-4-4	3/8	1/4	1/4	1.10	.88	.97	5/8
171PTCNS-6-4-6	3/8	1/4	3/8	1.22	.97	.93	5/8
171PTCNS-6-6	3/8	3/8	3/8	1.10	1.10	.91	5/8
171PTCNS-6-8	3/8	3/8	1/2	1.09	1.17	1.26	5/8
171PTCNS-8-4	1/2	1/2	1/4	1.31	1.28	1.07	3/4

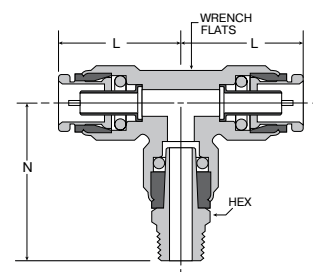
*5/32 and 3/16 with black button

**Add VS prefix to order with Vibra Seal



WARNING

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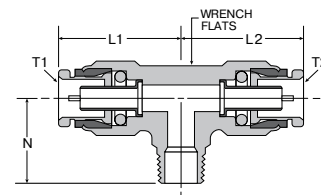
Male Branch Tee Swivel 172PTC

Part No.	Tube Size	Pipe Thd.	L	N	Hex	Wrench Flats
172PTC-4-2	1/4	1/8	.82	1.02	9/16	1/2
172PTC-4-4	1/4	1/4	.82	1.23	9/16	1/2
172PTC-6-2	3/8	1/8	1.10	1.34	11/16	5/8
172PTC-6-4	3/8	1/4	1.10	1.45	11/16	5/8
172PTC-6-6	3/8	3/8	1.10	1.48	11/16	5/8
172PTC-8-4	1/2	1/4	1.31	1.45	5/8	3/4
172PTC-8-6	1/2	3/8	1.31	1.48	11/16	3/4
172PTC-8-8	1/2	1/2	1.31	1.97	7/8	3/4

*5/32 and 3/16 with black button

**Add VS prefix to order with Vibra Seal

*5/32 and 3/16
with black button



Male Branch Tee Rigid 172PTCNS

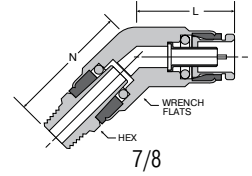
Part No.	Tube 1 Size	Tube 2 Size	Pipe Thd.	L1	L2	n	Wrench Flats
172PTCNS-5/32-2*	5/32	1/8	.78	.75	7/16	.47	15/32
172PTCNS-5/32-4*	5/32	1/4	.78	.88	7/16	.47	15/32
172PTCNS-3/16-2*	3/16	1/8	.77	.75	7/16	.47	15/32
172PTCNS-4-2	1/4	1/4	1/8	.91	.91	.77	1/2
172PTCNS-4-4	1/4	1/4	1/4				
172PTCNS-6-4	3/8	3/8	1/4	1.10	1.10	.97	5/8
172PTCNS-6-4-4	3/8	1/4	1/4	1.10	.85	.97	5/8
172PTCNS-6-6	3/8	3/8	3/8	1.04	1.04	.91	5/8
172PTCNS-6-8	3/8	3/8	1/2	1.17	1.17	1.26	7/8
172PTCNS-8-6	1/2	1/2	3/8	1.31	1.31	1.07	3/4
172PTCNS-8-6-8	1/2	3/8	1/2	1.31	1.24	1.25	3/4
172PTCNS-8-8	1/2	1/2	1/2	1.31	1.31	1.25	3/4

*Add VS prefix to order with Vibra Seal



WARNING

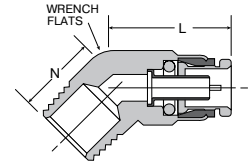
These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



Male Elbow Swivel 45° 179PTC

Part No.	Tube Size	Pipe Thd.	L	N	Hex	Wrench Flats
179PTC-4-2	1/4	1/8	.76	.93	9/16	9/16
179PTC-4-4	1/4	1/4	.76	1.15	9/16	9/16
179PTC-6-2	3/8	1/8	.95	1.05	11/16	3/4
179PTC-6-4	3/8	1/4	.95	1.17	11/16	3/4
179PTC-6-6	3/8	3/8	.95	1.20	11/16	3/4
179PTC-8-4	1/2	1/4	1.15	1.70	13/16	13/16
179PTC-8-6	1/2	3/8	1.15	1.78	13/16	13/16
179PTC-8-8	1/2	1/2	1.15	1.93	7/8	13/16
179PTC-10-8	5/8	1/2	1.21	1.59	7/8	7/8

*Add VS prefix to order with Vibra Seal



Male Elbow Rigid 45° 179PTCNS

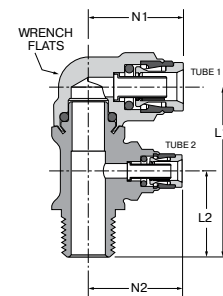
Part No.	Tube Size	Pipe Thd.	L	N	Wrench Flats
179PTCNS-4-2	1/4	1/8	.74	.56	9/16
179PTCNS-4-4	1/4	1/4	.74	.69	9/16
179PTCNS-6-2	3/8	1/8	1.06	.60	9/16
179PTCNS-6-4	3/8	1/4	1.06	.69	9/16
179PTCNS-6-6	3/8	3/8	1.06	.85	9/16
179PTCNS-6-8	3/8	1/2			
179PTCNS-8-4	1/2	1/4	1.15	.75	13/16
179PTCNS-8-6	1/2	3/8	1.15	.75	13/16
179PTCNS-8-8	1/2	1/2	1.15	1.00	13/16
179PTCNS-10-6	5/8	3/8	1.20	.76	7/8
179PTCNS-10-8	5/8	1/2	1.21	.95	7/8
179PTCNS-12-8	3/4	1/2	1.33	1.19	1

*Add VS prefix to order with Vibra Seal



WARNING

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Dual Port 90 Male Elbow Positional VS189PTC

Part No.	Tube 1 Size	Tube 2 Size	Pipe Thd.	L1	L2	N1	N2	Wrench Flats
VS189PTC-6-4-6	3/8	1/4	3/8	2.12	1.05	1.21	1.19	11/16
VS189PTC-6-6-4	3/8	3/8	1/4	2.06	.98	1.12	1.20	9/16
VS189PTC-6-6-6	3/8	3/8	3/8	2.06	.98	1.12	1.20	9/16
VS189PTC-10-4-6	5/8	1/4	3/8	2.27	.99	1.47	1.13	7/8
VS189PTC-10-6-6	5/8	3/8	3/8	2.35	1.06	1.47	1.13	7/8
VS189PTC-8-4-8	1/2	1/4	1/2	2.59	1.31	1.16	0.98	11/16
VS189PTC-8-6-6	1/2	3/8	3/8	2.21	0.97	1.16	1.1	11/16
VS189PTC-8-6-8	1/2	3/8	1/2	2.6	1.31	1.16	1.11	11/16
VS189PTC-10-4-8	5/8	1/4	1/2	2.54	1.25	1.47	1.15	7/8
VS189PTC-10-6-8	5/8	3/8	1/2	2.54	1.24	1.47	1.12	7/8
VS189PTC-10-10-8	5/8	5/8	1/2	2.54	1.29	1.47	1.47	7/8

*Add VS prefix to order with Vibra Seal



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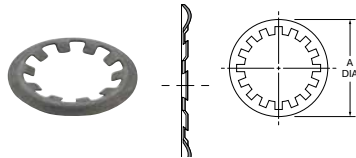
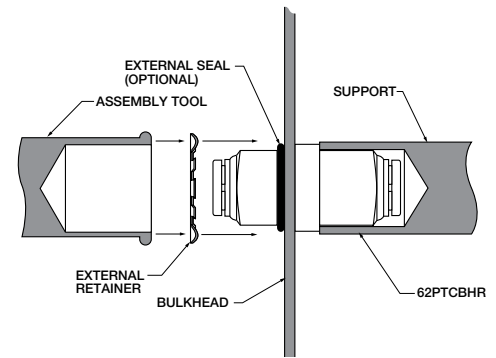
Retaining Ring Bulkhead Unions

Retaining ring bulkhead unions feature a unique design that provides the user with an economical method to install and assemble a union connection through a bulkhead.

The retaining ring bulkhead unions feature a smaller envelope size than standard bulkhead union connectors and do not require a wrench to mount or assemble in cramped areas.

The external seal feature provides a moisture barrier and can also prevent external contamination from entering into an enclosed area.

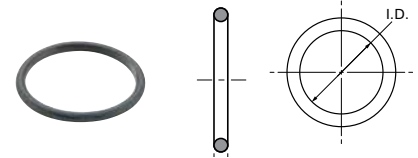
To install, simply support the bulkhead union from behind and apply the external seal. Then push the external retainer against the external seal with an assembly tool and you have a reliable bulkhead connection in a confined area.



External Retainer ERHD*

Part No.	Tube Size	Bulkhead Union O.D.	A Dia.	W
ERHD-50	1/4	.500	.83	.05
ERHD-75	3/8	.750	1.08	.05
ERHD-87	1/2	.875	1.20	.05
ERHD-100	5/8	1.000	1.33	.06

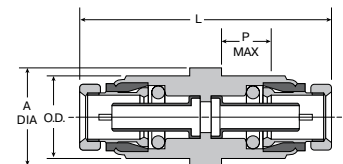
*Material Carbon Spring Steel



External Seal ES*

Part No.	Tube Size	Bulkhead Union O.D.	I.D.	W
2564-40001-L	1/4	.500	.489	.07
2564-60001	3/8	.750	.739	.07
2564-00253	1/2	.875	.864	.07

*Material is Nitrile (Buna N), 70 Durometer



Retaining Ring Bulkhead 62PTCBHR

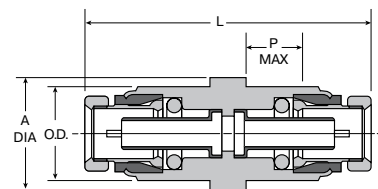
Part No.	Tube Size	O.D.	Rec. Hole Size	L	P Max	A Dia.
62PTCBHR-4*	1/4	.500	.512	1.53	.26	.625
62PTCBHR-6	3/8	.750	.762	1.92	.36	.875
62PTCBHR-8	1/2	.875	.887	2.15	.43	1.000
62PTCBHR-10	5/8	1.000	1.012	2.32	.48	1.250

*Sleeve color may vary



WARNING

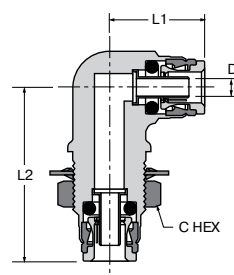
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Bulkhead Union 62PTCBH

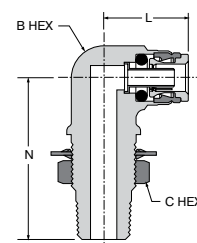
Part No.	Tube Size	O.D.	L	P Max	Hex A	Hex B	A Dia.
62PTCBH-4*	1/4	.56	1.69	.25	11/16	3/4	9/16
62PTCBH-6	3/8	.88	1.93	.44	1-1/16	1-1/16	7/8
62PTCBH-8	1/2	1.00	2.02	.58	1-1/4	1-1/4	1
62PTCBH-10	5/8	1.12	2.40	.81	1-1/4	1-3/8	1-1/8

*Sleeve color may vary



Union Bulkhead Elbow 165PTCBH

Part No.	Tube Size	L1	L2	C Hex	Flow Dia. D	Bulkhead Hole Dia.
165PTCBH-8	1/2	1.20	2.51	1 1/4	.34	1



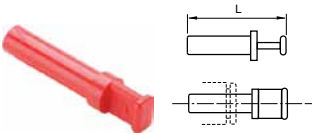
Male Elbow Bulkhead 169PTCNSBH

Part No.	Tube Size	Pipe Thd.	L	N	B Hex	C Hex	Bulkhead Hole Dia.
169PTCNSBH-6-8	3/8	1/2	1.11	2.50	7/8	1-1/4	1
169PTCNSBH-8-8	1/2	1/2	1.20	2.50	7/8	1-1/4	1



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639PLP Plug

Part No.	Tube Size (in)	L
639PLP-4	1/4	1.44
639PLP-6	3/8	1.67
639PLP-8	1/2	1.91



AQRT - Quick Release Tool

Makes disconnection of tube adapters and tubing a breeze.



PTCB Collet Caps

	Tube O.D.			
	1/4	3/8	1/2	5/8
WHITE PART NO.	4-PTCB-W	6-PTCB-W	8-PTCB-W	10-PTCB-W
BLACK PART NO.	4-PTCB-BL	6-PTCB-BL	8-PTCB-BL	10-PTCB-BL
GREEN PART NO.	4-PTCB-G	6-PTCB-G	8-PTCB-G	10-PTCB-G
RED PART NO.	4-PTCB-R	6-PTCB-R	8-PTCB-R	10-PTCB-R
BLUE PART NO.	4-PTCB-BU	6-PTCB-BU	8-PTCB-BU	10-PTCB-BU
YELLOW PART NO.	4-PTCB-Y	6-PTCB-Y	8-PTCB-Y	10-PTCB-Y
BROWN PART NO.	4-PTCB-BR	6-PTCB-BR	8-PTCB-BR	10-PTCB-BR
GREY PART NO.	4-PTCB-GR	6-PTCB-GR	8-PTCB-GR	10-PTCB-GR
ORANGE PART NO.	4-PTCB-O	6-PTCB-O	8-PTCB-O	10-PTCB-O
PURPLE PART NO.	4-PTCB-PU	6-PTCB-PU	8-PTCB-PU	10-PTCB-PU
DARK PURPLE PART NO.	4-PTCB-DPU	6-PTCB-DPU	8-PTCB-DPU	10-PTCB-DPU



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METRIC PRESTOMATIC FITTINGS



Parker's Metric Prestomatic Fittings are robust, all brass push-to-connect fittings that meet DIN and D.O.T. specifications. Designed for all D.O.T truck and trailer applications, Parker Metric Prestomatic fittings reduce assembly time versus compression style fittings by 90%.

Product Features:

- Brass Collet
- Buna N O-ring
- Stainless Steel Tube Support
- Meets D.O.T. FMVSS571.106
- Meets DIN 74324

Markets:

- Heavy Duty Truck
- Trailer
- Mobile

Applications:

- Air Brakes
- Air Tanks
- Air Ride
- Sliders
- Tire Inflation
- Primary & Secondary Air Lines

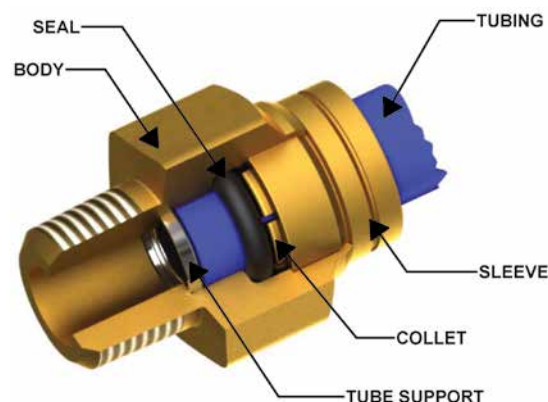
Compatible Tubing:

- DIN 73378 Virgin Nylon
- SAE J844 Type A & B nylon tubing

Specifications:

Pressure Range Up to 250 PSI (17.2 bar)

Temperature Range -40° to +200° F (-40° to +93.3° C)



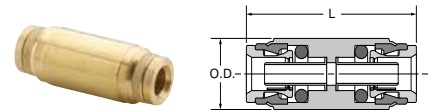
Assembly Instructions

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Mark tubing to appropriate tube insertion length. (see Tube Insertion Chart on page N22)
4. Insert tubing until it bottoms
5. Pull on tubing to verify it is fully inserted
6. To disassemble, simply press release button, hold against body and pull tubing out of fitting.



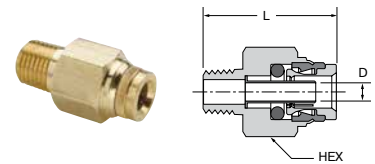
WARNING

These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



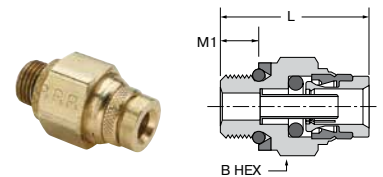
Union HPMTB

Part No.	Tube Size (mm)	L (mm)	O.D. (mm)
HPMTB6	6	45.2	15.9
HPMTB8	8	45.3	17.5
HPMTB10	10	51.7	22.2
HPMTB12	12	51.7	22.2



Male Connector F2PMTB

Part No.	Tube (mm)	Pipe Thread	L (mm)	Hex (mm)	Flow Dia. D (mm)
F2PMTB8-1/8	8	1/8	33.79	19	4.90
F2PMTB10-1/4	10	1/4	36.83	20	6.35
F2PMTB 12-1/4	12	1/4	44.45	25.4	7.62



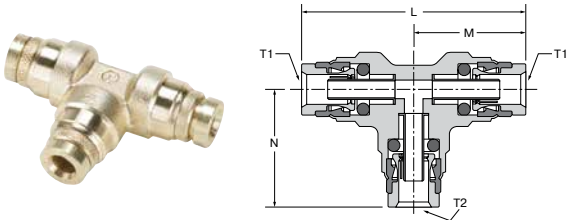
Male Connector Metric Straight Thread F8UPMTB

Part No.	Tube Size (mm)	Metric Thread	L (mm)	B Hex (mm)	M1 (mm)
F8UPMTB6-M10	6	M10X1	29.7	17	6.4
F8UPMTB6-M12	6	M12X1.5	29.1	17	7.5
F8UPMTB6-M22	6	M22X1.5	29.7	27	9.5
F8UPMTB8-M16	8	M16X1.5	31.0	22	10.0
F8UPMTB10-M16	10	M16X1.5	37.5	22	10.0
F8UPMTB10-M22	10	M22X1.5	31.1	27	9.5
F8UPMTB12-M12	12	M12X1.5	37.3	22	7.5
F8UPMTB12-M22	12	M22X1.5	33.4	27	9.5
F8UPMTB16-M22	16	M22X1.5	33.3	27	9.5



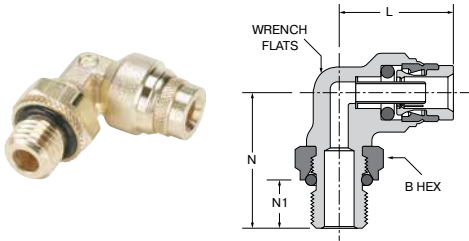
WARNING

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Union Tee JPMTB

Part No.	Tube 1 (mm)	Tube 2 (mm)	L (mm)	N (mm)	N (mm)
JPMTB6	6	6	51.3	25.6	26.7
JPMTB12	12	12	63.3	31.7	35.0
JPMTB12-12-6	12	6	63.3	31.7	28.1



Male Elbow Metric Straight Thread C8UPMTB

Part No.	Tube Size (mm)	B Metric Thread	Wrench Flats (mm)	Hex (mm)	L (mm)	N (mm)	N1 (mm)
C8UPMTB6-M12	6	M12X1.5	10	17	24.8	28.2	9.5
C8UPMTB6-M16	6	M16X1.5	11	24	25.0	34.0	10.5



WARNING

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PARKER SAFE LOCK

Parker Safe Lock push-to-connect fittings reduce assembly time and the exclusive locking mechanism minimizes leaks and installation failures.

Parker Safe Lock

Product Features:

- Composite Body – Strong, Lightweight, Compact and Impact Resistant
- Fluorocarbon and Fluorosilicone O-ring
- Meets SAE J2044

Markets:

- Heavy Duty Truck
- Trailer
- Mobile

Applications:

- Engine Fuel, Coolant and Vapor Lines

Specifications:

Pressure Range -7.2 to +72 PSI (-0.5 to +5.0 bar)

Temperature Range -40° to +239° F (-40° to +115° C)

Parker Brass Adapter

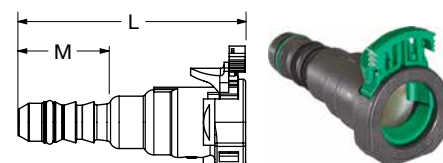
Product Features:

- **Construction:** Corrosion resistant high temperature brass
- **Configuration:** Rigid male pipe
- **Industry Standard:** SAE J2044



WARNING

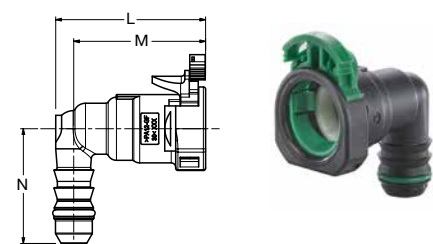
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Straight Fittings A613 & A614

Part No. **	End Form (in)	Barb Tail (in)	L (mm)	M (mm)	N (mm)	Conductive
A614A50G06 02	5/16"	5/16"	49.40	19.50	N/A	YES
A613 52 08 00	10MM	3/8"	55.00	19.00	N/A	NO
A614M53 08 02	3/8"	3/8"	55.00	21.50	N/A	YES
A614A58 55 04	12MM	1/2"	59.35	21.00	N/A	YES
A614C56 55 05	1/2"	1/2"	59.15	21.00	N/A	YES
A614D57 56 02	5/8"	5/8"	58.20	20.00	N/A	NO

**Safe Lock Connector part numbers contain spaces.



90 Elbow Fittings A623 & A624

Part No. **	End Form (in)	Barb Tail (in)	L (mm)	M (mm)	N (mm)	Conductive
A624A50D06 02	5/16"	5/16"	29.50	19.50	25.70	YES
A623A52 08 00	10MM	3/8"	34.40	19.00	32.00	YES
A624M53 08 02	3/8"	3/8"	34.05	21.50	28.60	YES
A624A58 55 04	12MM	1/2"	39.00	21.00	29.70	YES
A624C56 55 05	1/2"	1/2"	39.00	21.00	29.70	YES
A624F57 56 02	5/8"	5/8"	39.10	20.00	30.10	YES

**Safe Lock Connector part numbers contain spaces.



Brass Adapter 68ALS

Part No.	End Form (in)	Thread Size (in)
68ALS-5-4	5/16"	1/4"
68ALS-6-4	3/8"	1/4"
68ALS-6-6	3/8"	3/8"
68ALS-8-6	1/2"	3/8"
68ALS-8-8	1/2"	1/2"
68ALS-10-8	5/8"	1/2"
68ALS-12M-6	12MM	3/8"
68ALS-12M-8	12MM	1/2"

Adapters are available with Metric Straight Thread O-Rings and Electroless Nickel Plating Upon Request



WARNING

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.