Automation

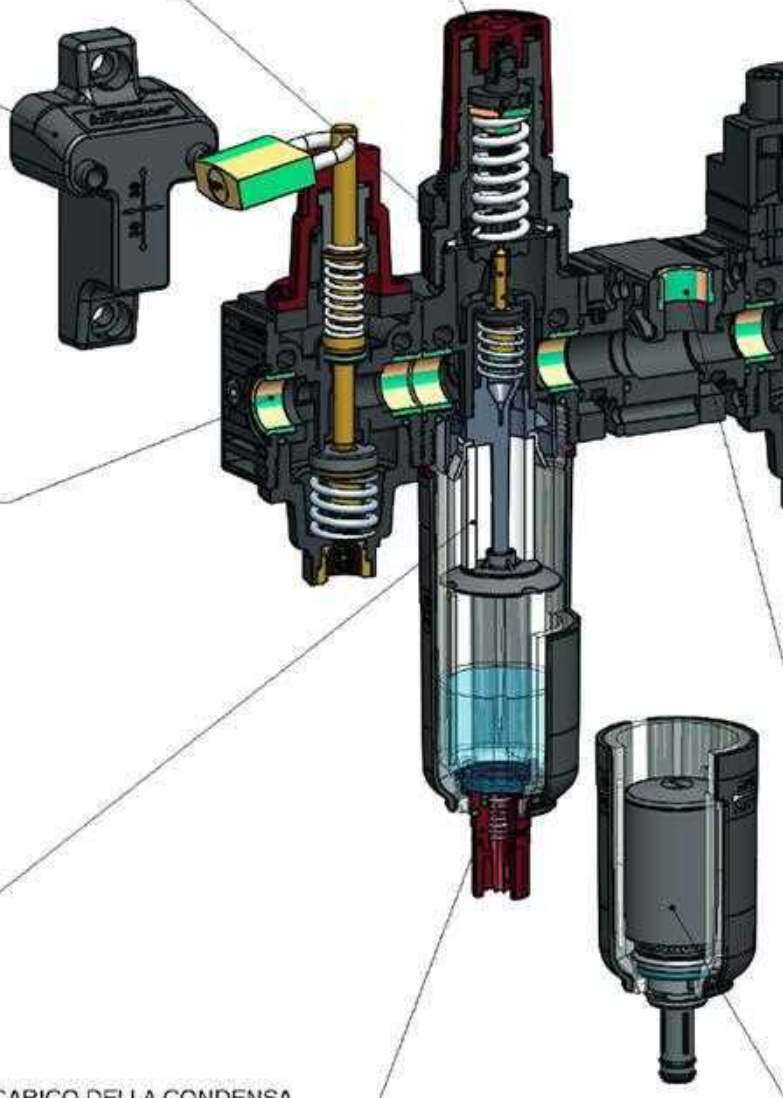
AIR PREPARATION INDEX

STAFFA DI FISSAGGIO A PARETE
WALL FIXING BRACKET

VALVOLA BILANCIATA per una maggiore portata e migliore regolazione.
BALANCED VALVE for a greater air flow and greater sensitivity.

POMELLO con dispositivo di bloccaggio della regolazione della pressione.
LOCKABLE SAFETY KNOB

STAFFA DI FISSAGGIO A "T"
Permette di distanziare la batteria dalla parete, per un più agevole smontaggio delle tazze.
FIXING "T" BRACKET
Allowing to distance the battery from wall, it makes the bowl disassembling easier.



VALVOLA DI INTERCETTAZIONE 3/2 LUCCHETTABILE
Chiude l'alimentazione e depressurizza l'impianto per una maggiore sicurezza nelle operezioni di manutenzione.
LOCKABLE 3 WAY ON-OFF VALVE
It shuts off air supply, relieving pressure from the system for a greater safety during maintenance operations.

ELEMENTO FILTRANTE
Standard 20 micron, oppure 5 micron.
FILTERING ELEMENT.
20 micron standard or 5 micron.

SCARICO DELLA CONDENSA SEMIAUTOMATICO e manuale in versione integrata con portatubo di drenaggio.
MANUAL AND SEMIAUTOMATIC CONDENSATE DRAIN in integrated version with pipeholder for conveying condensate.

VALVOLA DI SEZIONAMENTO A COMANDO ELETTRICO
Consente di intervenire a distanza con la chiusura dell'alimentazione e la contemporanea messa in scarico del circuito di valle.

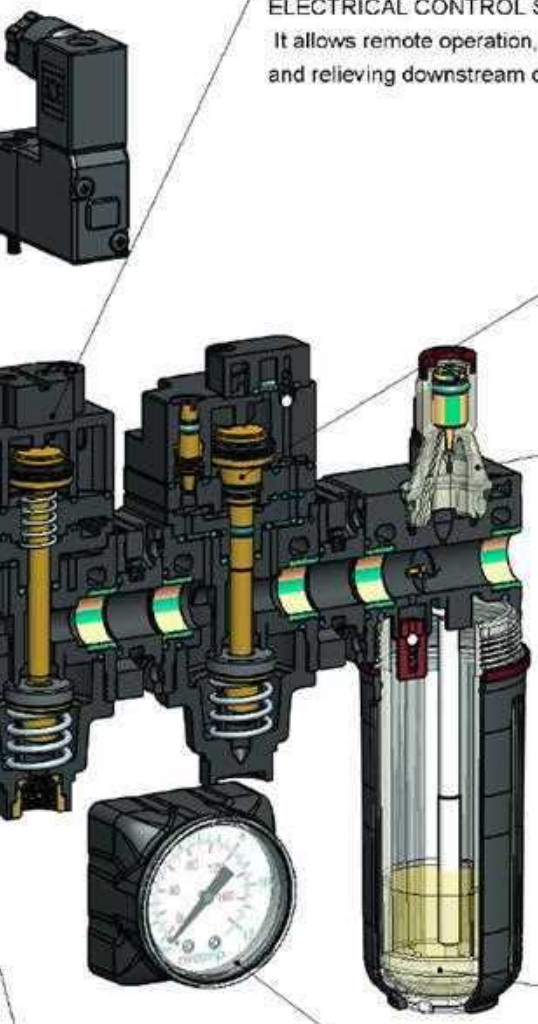
ELECTRICAL CONTROL SHUT-OFF VALVE
It allows remote operation, shutting off air supply and relieving downstream circuit.

AVVIATORE PROGRESSIVO
Pressurizza gradualmente l'impianto fino al raggiungimento della pressione d'esercizio.

SLOW START VALVE
It gradually pressurizes the system until reaching set operating pressure.

CUPOLA TRASPARENTE per visualizzazione a 360° del gocciolamento olio.

TRASPARENT OIL WINDOW allowing 360° dripping display.



TAZZA IN POLIAMMIDE TENACIZZATO CON PROTEZIONE ESTERNA
Disponibile anche in versione trasparente.

TOUGHENED POLYAMIDE BOWL WITH OUTER GUARD.
Avaible also in trasparent version.

PRESA D'ARIA
Consente un prelievo supplementare di aria filtrata e/o regolata.

AIR TAKE-OFF
It provides supplementary port of filtered and/or regulated air

MANOMETRO COMPATTO

COMPACT PRESSURE GAUGE

SCARICO AUTOMATICO a galleggiante con portatubo di drenaggio della condensa

AUTOMATIC FLOAT TYPE CONDENSATE DRAIN with pipeholder for conveying condensate.

MODULAR LINE 042 1/4"

V3+FR+PA+SV+AVP+L

LINE **039 1/8"-1/4"** | PRESSURE REGULATORS

GENERAL FEATURES

Aircomp microregulators are available in a wide range of models so as to fulfill several application requirements.
The internal balanced valve guarantees high regulation stability upon variation of the upstream pressure.
An accurate designing of the internal opening system provides regulation speed and big flow rate.
The used polymers and internal components make this product extremely versatile for different applications with compressed air.

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C
Connections IN-OUT	G1/8" e G1/4"
Fixing type	panel mounted or with bracket
Mounting position	any
Tamper-proof knob	
Version with lock	upon request

GUIDE TO REFERENCES

MR 1/4" 039 08 R

Product
MR = Microregulators

Connection
1/8" = G 1/8"
1/4" = G 1/4"

Line
039

Version
= Standard
FA-RM = Air escape + improve relieving
SRU = Unidirectional quick exhaust
EPDM = with seals in EPDM

Version
R = Relieving (for air)
A = Non relieving (please see water preparation catalogue)

Pressure range
02 = 0 - 2 Bar
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

LINE 039 1/8"-1/4" | PRESSURE REGULATORS

PRESSURE REGULATORS LINE 039

The expertise we have gained over many years in planning and production of pressure regulators has lead us to constantly improve our products.
Our customers urge us to develop even more specific and customised solutions.
Nowadays we can offer a braod range of regulators for many applications.

COMPRESSED AIR REGULATION

LINE 039 REGULATOR FOR COMPRESSED AIR

Features: big flow rate, stability

LINE 039 SRU QUICK EXHAUST REGULATOR

Feature: high exhaust speed

LINE 039 FA-RM AIR ESCAPE REGULATOR WITH INCREASED RELIEVING

Feature: high sensitivity and precison

LINE 039 EPDM AIR REGULATOR WITH EPDM SEALS

Feature: resistance against chemical aggressions

WATER AND FLUIDS REGULATION

LINE 039 NON-RELIEVING REGULATOR FOR WATER

Features: big flow rate, stability

LINE 039 POM WITH CERTIFIED MATERIALS FOR DRINKING WATER

Features: compatibility and precision

LINE 039 INOX WITH CERTIFIED MATERIALS AND STAINLESS STEEL FOR DRINKING WATER

Features: compatibility and precision

LINE 039 EPDM NON-RELIEVING REGULATOR FOR LIQUIDS

Features: compatibility with brake fluid

Would you like to learn more about our range for water and flluids? Please visit the Water Preparation section.

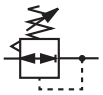
LK VERSION WITH LOCK

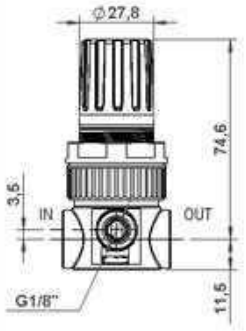
The regulator is adjusted at the required pressure, the knob is blocked and locked. Pressure modification is possible only by opening the lock.

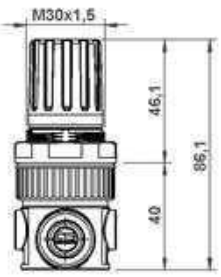
PRE-SET VERSION

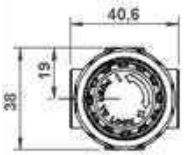
The regulator is preset at the pressure value required by the customer.
A tamper-proof knob is mounted in order to avoid any modification to the preset pressure.

LINE **039 1/8"-1/4"** | PRESSURE REGULATORS









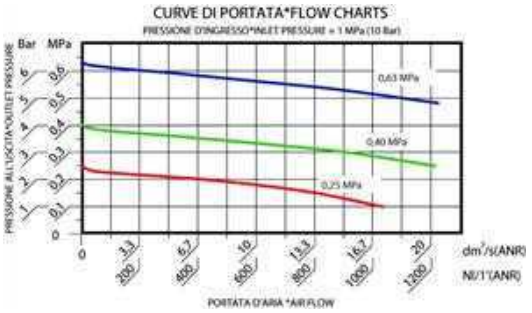
GENERAL FEATURES

High performance microregulator with balanced valve for guaranteeing great stability even upon variation of the downstream pressure and low load loss.
Relieving for a quick exhaust of the downstream overpressure.
Knob with pressure locking device.
Equipped with nut and nr. 1 plug.

GENERAL TECHNICAL DATA

Pressure range	0-2; 0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	900 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Max Torque G1/4" IN-OUT	25 Nm
Max tourque gauge port	1 Nm
Weight	0,100 kg

Below 3°C the air of the circuit must be free from humidity

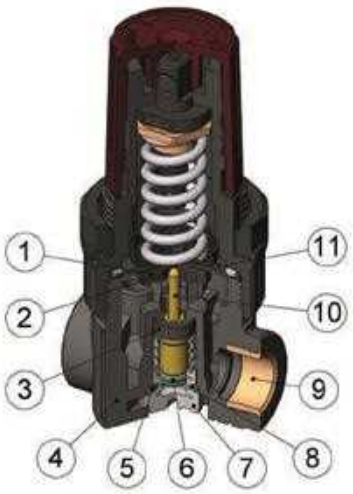


ORDERING CODE

CODE	REF.
039.00.00001	MR 1/8" 039 02 R
039.00.00002	MR 1/8" 039 04 R
039.00.00003	MR 1/8" 039 08 R
039.00.00004	MR 1/8" 039 12 R
039.00.00401	MR 1/4" 039 02 R
039.00.00402	MR 1/4" 039 04 R
039.00.00403	MR 1/4" 039 08 R
039.00.00404	MR 1/4" 039 12 R

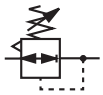
MATERIALS

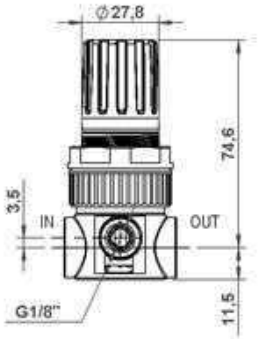
1. **Diaphragm pin** - POM
2. **Relieving seal** - NBR
3. **Valve sealing** - NBR
4. **Regulator body** - POM
5. **O-Ring plug** - NBR
6. **O-Ring valve** - NBR
7. **Plug** - POM
8. **Valve spring** - STAINLESS STEEL AISI 316
9. **Inserts** - BRASS OT58
10. **Valve body** - BRASS OT58
11. **Diaphragm** - NBR

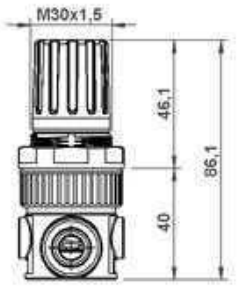


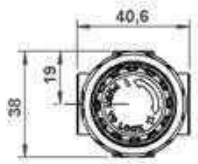
For the non-relieving models please go to Water preparation section.

LINE **039 1/8"-1/4"** | REGULATORS FA-RM AIR ESCAPE



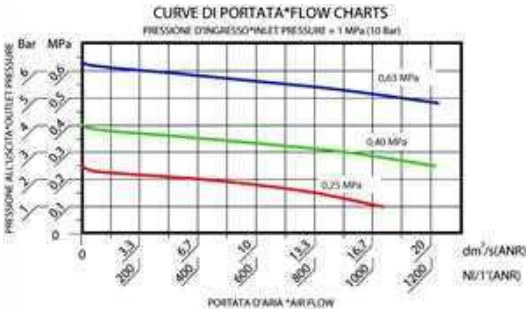






GENERAL FEATURES

High precision microregulators, thanks to an innovative CONTROLLED AIR ESCAPE SYSTEM which enhances the regulation sensitivity.
The relieving exhaust hole has been enlarged to 1,8mm for guaranteeing greater flow rate during the phase of overpressure exhaust.
Knob with pressure locking device.
Equipped with nut and nr. 1 plug.



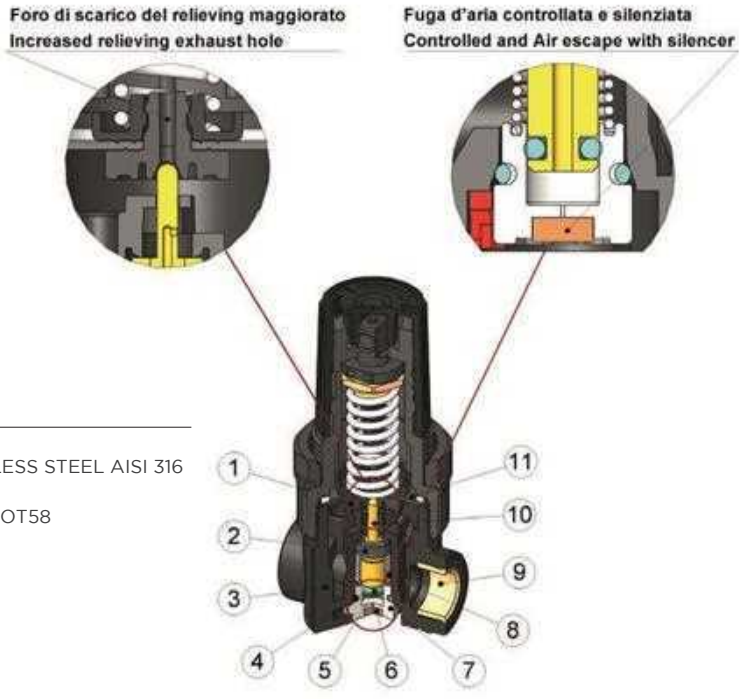
GENERAL TECHNICAL DATA

Pressure range	0-2; 0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	900 Nl/min
Flow rate controlled air escape (Inlet pr.: 10 bar Outlet pr.: 6 bar)	3,7 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Max Torque G1/4" IN-OUT	25 Nm
Max tourque gauge port	1 Nm
Weight	0,100 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

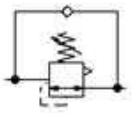
CODE	REF.
039.00.00701	MR 1/8" 039 02 R FA-RM
039.00.00702	MR 1/8" 039 04 R FA-RM
039.00.00703	MR 1/8" 039 08 R FA-RM
039.00.00704	MR 1/8" 039 12 R FA-RM
039.00.00801	MR 1/4" 039 02 R FA-RM
039.00.00802	MR 1/4" 039 04 R FA-RM
039.00.00803	MR 1/4" 039 08 R FA-RM
039.00.00804	MR 1/4" 039 12 R FA-RM

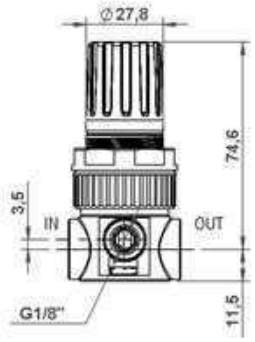


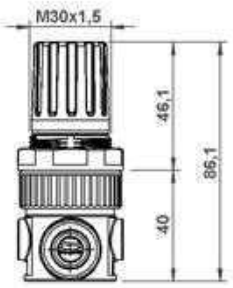
MATERIALS

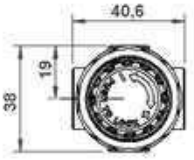
1. **Diaphragm pin** - POM
2. **Sealing valve** - NBR
3. **Regulator body** - POM
4. **O-Ring plug** - NBR
5. **O-Ring valve** - NBR
6. **Silencer** - sintered bronze
7. **Plug** - POM
8. **Valve spring** - STAINLESS STEEL AISI 316
9. **Inserts** - BRASS OT58
10. **Valve body** - BRASS OT58
11. **Diaphragm** - NBR

LINE 039 1/8"-1/4" | REGULATORS SRU QUICK EXHAUST









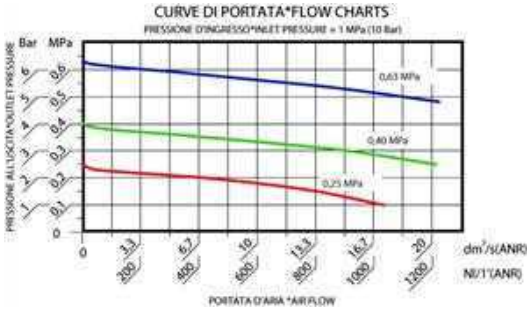
GENERAL FEATURES

Model equipped with internal unidirectional valve enabling the quick exhaust of pressure when the circuit is depressurized.
The most common application of SRU model provides the mounting of the microregulator between the control valve and the cylinder. The exhaust phase of the valve does not incur in any load loss thanks to the passage through the unidirectional valve, thus guaranteeing speed and high performance.

GENERAL TECHNICAL DATA

Pressure range	0-2; 0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	900 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Max Torque G1/4" IN-OUT	25 Nm
Max tourque gauge port	1 Nm
Weight	0,100 kg

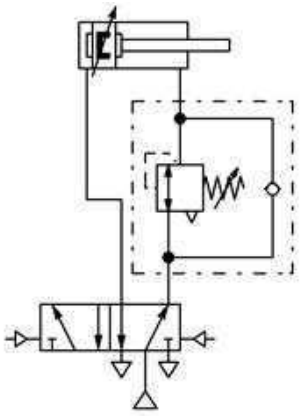
Below 3°C the air of the circuit must be free from humidity



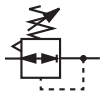
ORDERING CODE

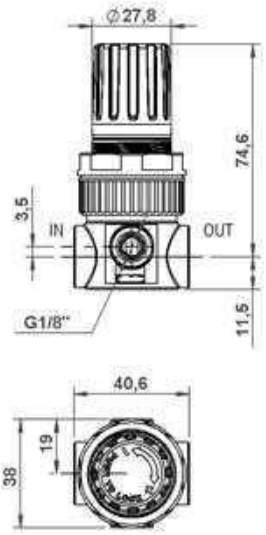
CODE	REF.
039.00.00022	MR 1/8" 039 02 R SRU
039.00.00023	MR 1/8" 039 04 R SRU
039.00.00024	MR 1/8" 039 08 R SRU
039.00.00025	MR 1/8" 039 12 R SRU
039.00.00441	MR 1/4" 039 02 R SRU
039.00.00442	MR 1/4" 039 04 R SRU
039.00.00443	MR 1/4" 039 08 R SRU
039.00.00444	MR 1/4" 039 12 R SRU

APPLICATION SCHEME



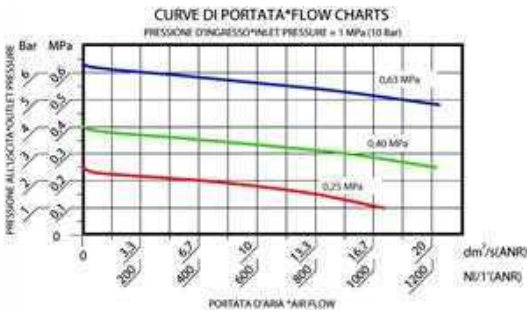
LINE **039 1/8"-1/4"** | EPDM REGULATORS





GENERAL FEATURES

In this version, all the elastomers in contact with fluid (seals, diaphragm, etc.) are in EPDM so as to ensure the greatest resistance against chemical aggression.
Applications: solvent-laden working environement (painting); contact with brake fluid (non-relieving version).
High performance microregulator with balanced valve for guaranteeing great stability even upon variation of the upstream pressure and low load loss.
Available in relieving and non-relieving version.
Knob with pressure locking device.
Equipped with nut and nr. 1 plug.



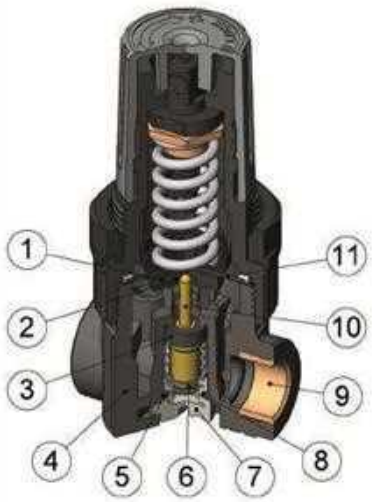
GENERAL TECHNICAL DATA

Pressure range	0-2; 0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	900 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Max Torque G1/4" IN-OUT	25 Nm
Max tourque gauge port	1 Nm
Weight	0,100 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

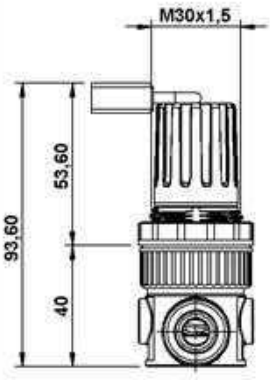
CODE	REF.
Regolatore con relieving	
039.00.00300	MR 1/4" 039 02 R EPDM
039.00.00301	MR 1/4" 039 04 R EPDM
039.00.00302	MR 1/4" 039 08 R EPDM
039.00.00303	MR 1/4" 039 12 R EPDM
Non relieving regulator	
039.00.00304	MR 1/4" 039 02A EPDM
039.00.00305	MR 1/4" 039 04A EPDM
039.00.00306	MR 1/4" 039 08A EPDM
039.00.00307	MR 1/4" 039 12A EPDM



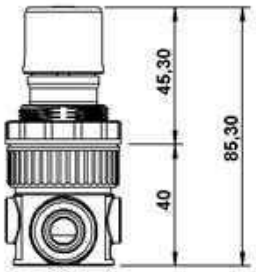
MATERIALS

1. **Diaphragm pin** - POM
2. **Relieving seal** - EPDM
3. **Valve sealing** - EPDM
4. **Regulator body** - POM
5. **O-Ring plug** - EPDM
6. **O-Ring valve** - EPDM
7. **Plug** - POM
8. **Valve spring** - STAINLESS STEEL AISI 316
9. **Inserts** - BRASS OT58
10. **Valve body** - BRASS OT58
11. **Diaphragm** - EPDM

LINE 039 1/8"-1/4" | SPECIAL VERSIONS



LOCKABLE VERSION



TAMPER-PROOF VERSION

MICROREGULATOR WITH LOCK

* All Aircomp Microregulators are available in the version with lock.
This regulator version allows adjusting the required pressure and fix it, preventing accidental setting changes.
* The regulator is equipped with padlock and two keys.
* For further technical features, please refer to the respective Line, or contact our office.

GUIDE TO REFERENCES

MR 1/4" 039 08 R LK

Connection
1/8" = G1/8"
1/4" G1/4"

Line
039

Drain
LK = With lock

Version
R = Relieving (for air)
A = Non relieving (for water)

Pressure range
02 = 0-2 Bar
04 = 0-4 Bar
06 = 0-6 Bar
08 = 0-8 Bar
12 = 0-12 Bar

PRE-SET MICROREGULATOR

* Microregulators with outlet pressure pre-set by our production can be supplied upon request.
* With this version the Customer receives a pre-set Regulator featuring the required outlet pressure, equipped with tamper-proof knob.
* The tamper-proof knob enables keeping the pre-set outlet pressure, preventing unintentional pressure adjustments.
* In order to change the pre-set pressure, it is necessary to break the knob.
* Line recommended for pre-set version: Line 039, that keeps high precision on outlet pressure thanks to its own features.
* For further information about tolerance on outlet pressure, please contact our offices.

GUIDE TO REFERENCES

MR 1/4" 039 T 4 R

Connection
1/8" = G1/8"
1/4" G1/4"

Line
039

Version
R = Relieving (for air)
A = Non relieving (for water)

Pre-set value
4 = 4 bar

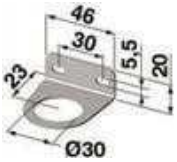
Special type
T = Pre-set version

LINE 039 1/8"-1/4" | SPARE PARTS

GAUGE

CODE	Bar	Psi	A	B	CH.
A38.00.00026	0-12	0-175	40	G1/8"	14
A38.00.00055	0-6	0-85	40	G1/8"	12
A38.00.00114	0-2,5	0-36	40	G1/8"	12

BRACKET

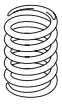


CODE
C38.00.00069

PLUG G1/8"

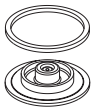
CODE	PRODUCT
B38.00.00018	038 - 039

REGULATION SPRING



CODE	LINE	PRESSURE RANGE
A38.00.00133	039	0-1 Bar
A38.00.00132	039	0-2 Bar
A38.00.00131	039	0-4 Bar
A38.00.00130	039	0-8 Bar
A38.00.00129	039	0-10 Bar
A38.00.00128	039	0-12 Bar

DIAPHRAGM KIT



CODE	LINE	VERSION
C39.00.00074	039	RELIEVING
C39.00.00075	039	NON RELIEVING
C39.00.00076	039	FA-RM
C39.00.00077	039 INOX	NON RELIEVING
C39.00.00086	039 POM	NON RELIEVING
C39.00.00094	039 EPDM	RELIEVING
C39.00.00095	039 EPDM	NON RELIEVING

LINE **099-1/8" e 1/4"** | PRECISION REGULATORS

GENERAL FEATURES

Precision Regulator Line 099 is distinguished by high precision and stability of regulated pressure thanks to its multi-diaphragm construction concept.
The air escape feature along with a particularly sensitive relieving exhaust allow optimal performance even with low pressures.
It has been designed for accurate balance pressure setting or for working as tension controller, besides all the other applications where high precision is required.

GENERAL TECHNICAL DATA

Fluid	compressed air
Connessioni IN – OUT	1/8"G e 1/4"G
Mounting position	any
Fixing	through wall bracket

GUIDE TO REFERENCES

RD1 1/8" 099 02 R FA

Product
- **RD1** = Precision regulator size 1
- **RD2** = Precision regulator size 2

Connection
- **1/4"** = G1/4"
- **1/8"** = G1/8"

Line
- **099**

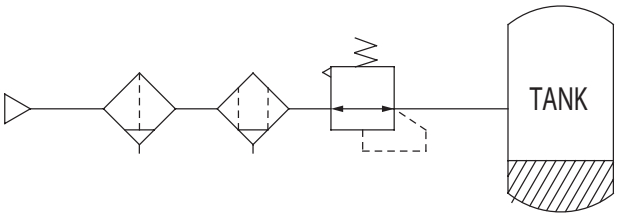
Pressure range
- **02** = 0-2 Bar
- **04** = 0-4 Bar
- **08** = 0-8 Bar

Version
- **R** = Relieving

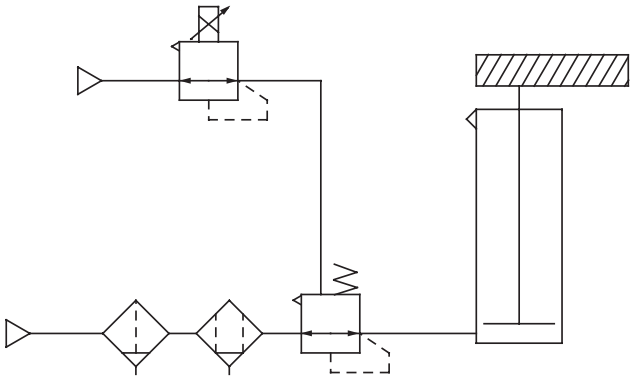
Special type
- **FA** = Air Escape

LINE 099 | APPLICATION EXAMPLES

Constant fluid pressure

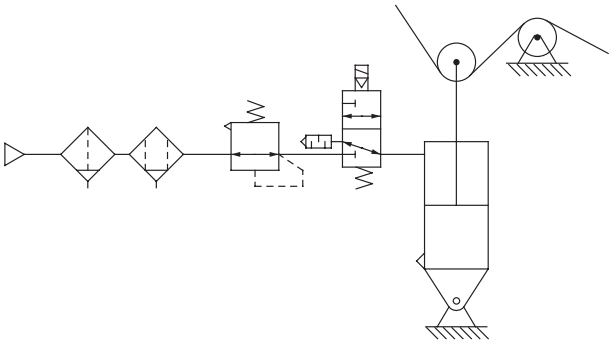


Balance pressure setting

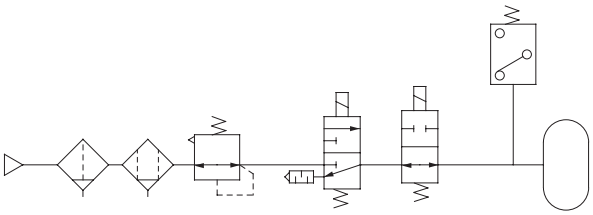


Limits pressure fluctuation when actuating cylinder

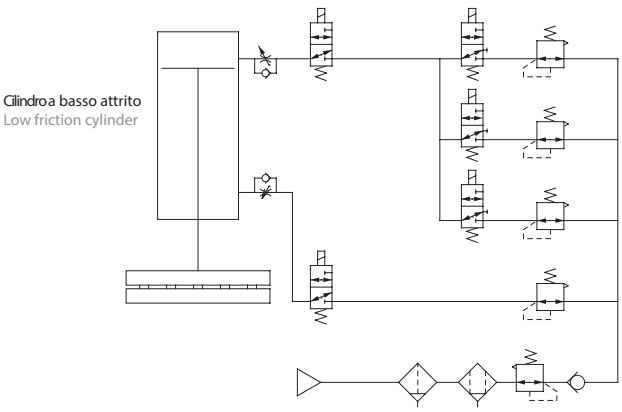
Pressure setting for tension controller



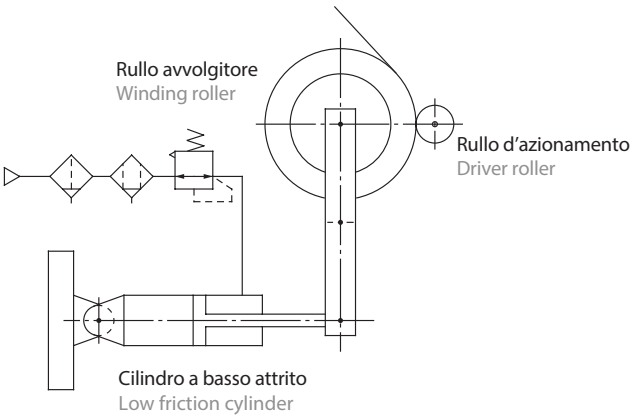
Leak test circuit



Multistage pressure control (wrapping machine)

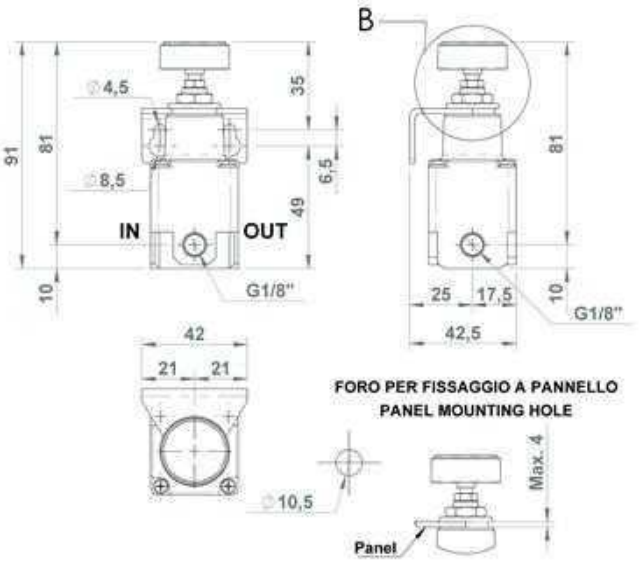


Contact pressure control



Maintains constant pressure during the cylinder working

LINE 099-1/8" | PRECISION REGULATORS



GENERAL FEATURES

Precision regulator with controlled air escape. Double-diaphragm operation ensuring a particularly high level of precision and repeatability, even at low pressures.
Equipped with nr. 1 plug and nr. 1 bracket.

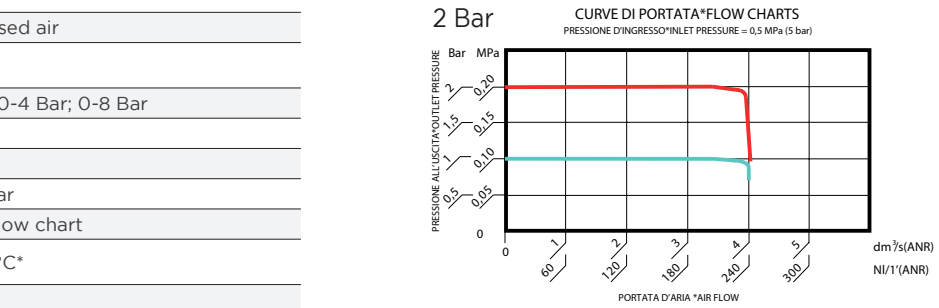
GENERAL TECHNICAL DATA

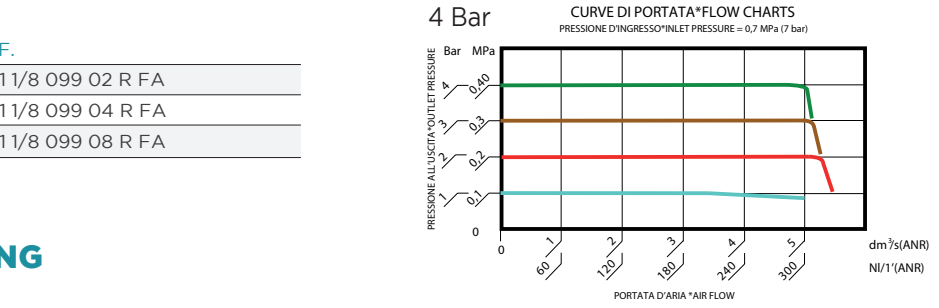
Fluid	compressed air
INLET-OUTLET connections	1/8"
Pressure range	0-2 Bar, 0-4 Bar; 0-8 Bar
Sensitivity	0,2% F.S.
Repeatability	0,5% F.S
Working pressure	0 – 10 Bar
Reference flow rate	see the flow chart
Working temperature (a 10 bar)	-5 / +60°C*
Weight	0,150 kg

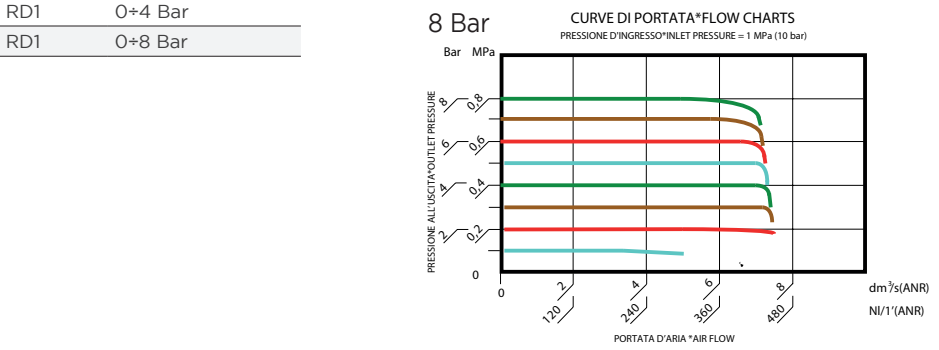
Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
099.01.01.001	RD1 1/8 099 02 R FA
099.01.01.002	RD1 1/8 099 04 R FA
099.01.01.003	RD1 1/8 099 08 R FA

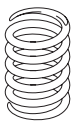






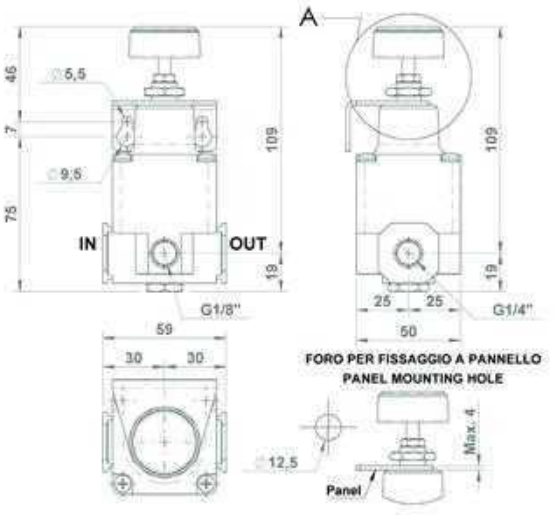
SPARE PARTS

REGULATION SPRING



CODE	PROD.	PRESSURE RANGE
A99.01.01.001	RD1	0÷2 Bar
A99.01.01.002	RD1	0÷4 Bar
A99.01.01.003	RD1	0÷8 Bar

LINE **099-1/4"** | PRECISION REGULATORS



GENERAL FEATURES

Precision regulator with controlled air escape. Double-diaphragm operation ensuring a particularly high level of precision and repeatability, even at low pressures.
Equipped with nr. 1 plug and nr. 1 bracket.

GENERAL TECHNICAL DATA

Fluid	compressed air
INLET-OUTLET connections	1/4"
Pressure range	0-2 Bar, 0-4 Bar; 0-8 Bar
Sensitivity	0,2% F.S.
Repeatability	0,5% F.S
Working pressure	0 – 10 Bar
Reference flow rate	see the flow chart
Working temperature (a 10 bar)	-5 / +60°C*
Weight	0,300 kg

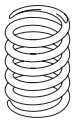
Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
099.02.01.001	RD2 1/4 099 02 R FA
099.02.01.002	RD2 1/4 099 04 R FA
099.02.01.003	RD2 1/4 099 08 R FA

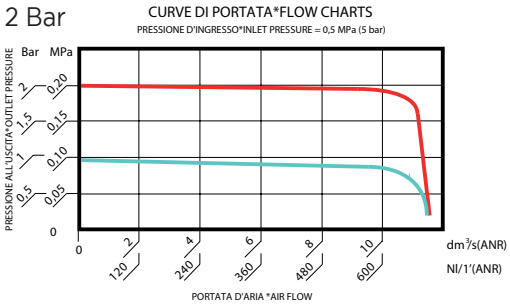
SPARE PARTS

REGULATION SPRING

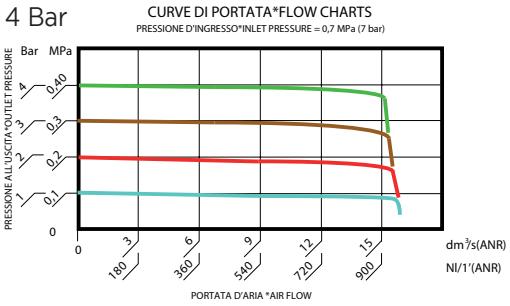


CODE	PROD.	PRESSURE RANGE
A99.02.01.001	RD2	0÷2 Bar
A99.02.01.002	RD2	0÷4 Bar
A99.02.01.003	RD2	0÷8 Bar

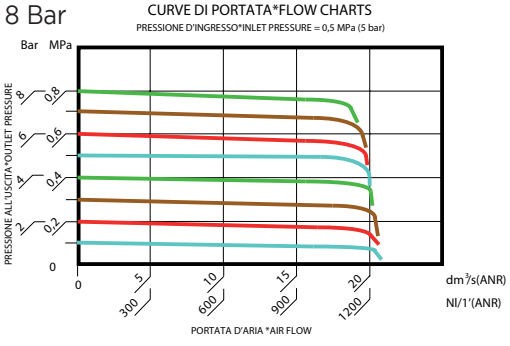
2 Bar



4 Bar



8 Bar



LINE 035-1/8" | MODULAR UNITS

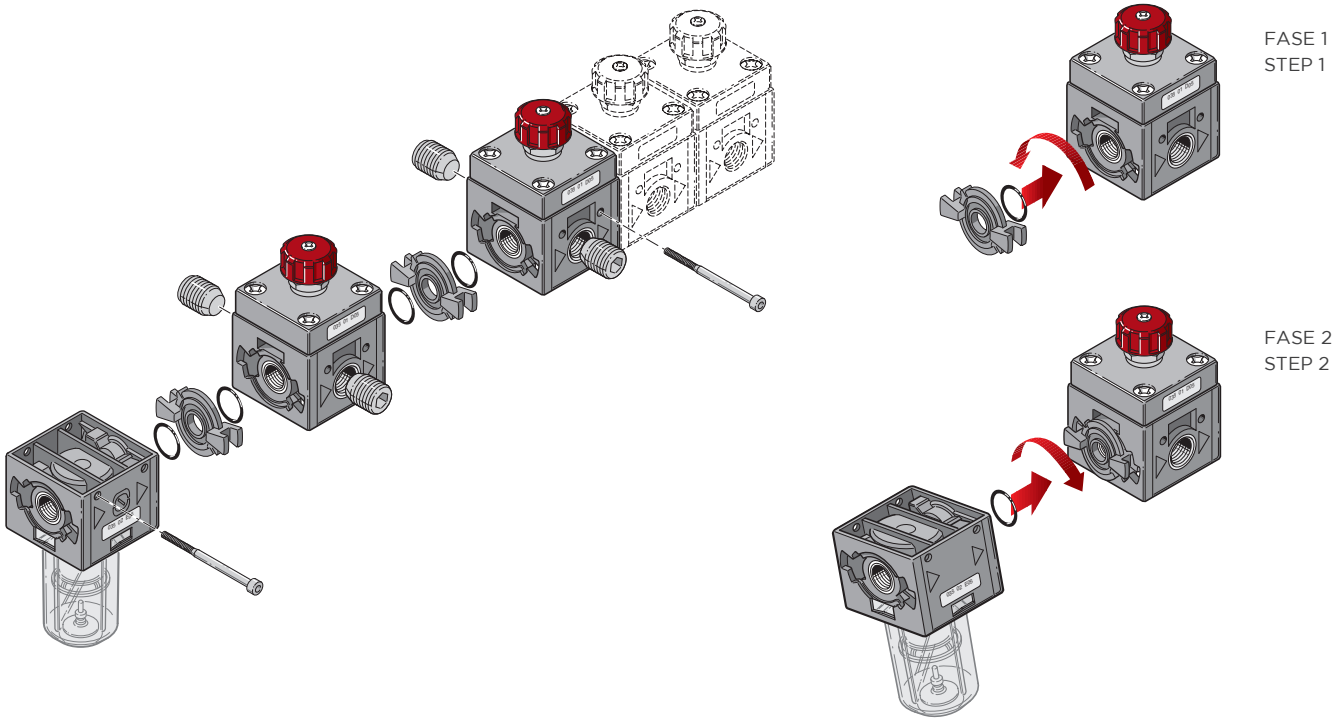
GENERAL FEATURES

Modular units Line 035 are particularly compact and have been designed for the filtering and regulation of fluids.
They are available in the version for compressed air and also for water (non relieving).
The combination of filter and regulator also in battery set assembly endows great application flexibility to this Line.

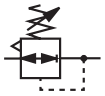
GENERAL TECHNICAL DATA

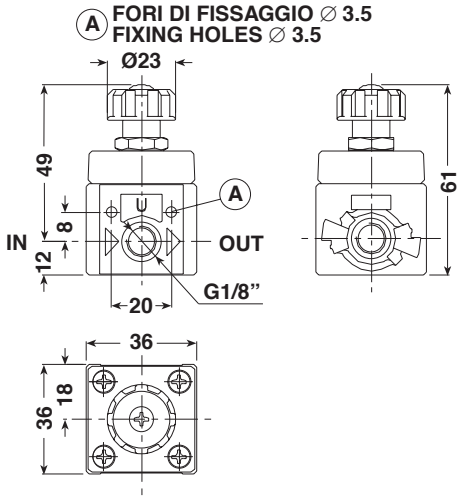
Fluid	compressed air - water
Working temperature max (a 10 bar):	+50°C
Connections IN-OUT	1/8"G
Assembling type	Assembling kit
Mounting position	see singol components
Wall fixing	through holes on the body

MODULAR ASSEMBLING



LINE 035-1/8" | REGULATORS





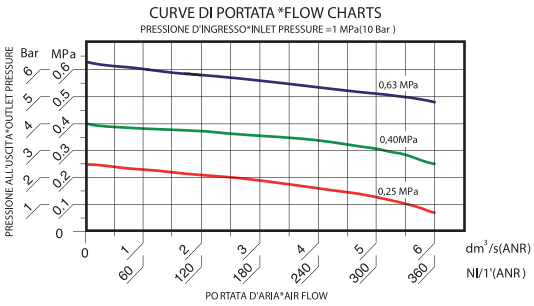
GENERAL FEATURES

Modular regulator with diaphragm operation and not-balanced valve.
Available in relieving version for air and non-relieving for water.
Equipped with nr. 1 plug.

GENERAL TECHNICAL DATA

Pressure range	0-6 Bar
Maximum inlet pressure	10 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	250 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Weight	0,080 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
035.01.00007	MR 1/8" 035 06 R

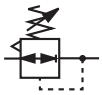
For the non-relieving models please go to Water preparation section.

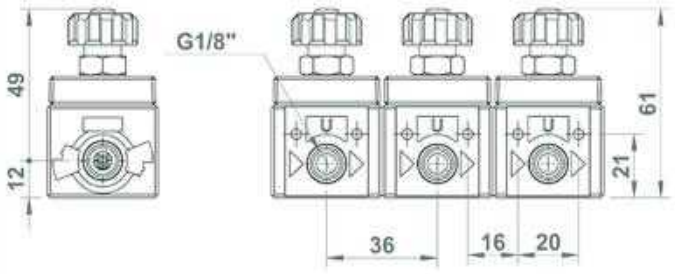
GUIDE TO REFERENCES

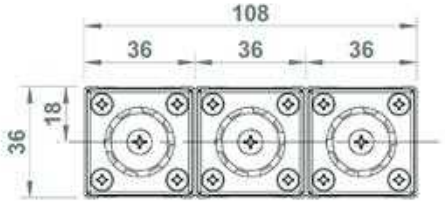
MR 1/8" 035 06 R

- Product: **MR** = Microregulators
- Connection: **1/8"** = G 1/8"
- Line: **035**
- Pressure range: **06** = 0 - 6 Bar
- Version: **R** = Relieving (for air); **A** = Non relieving (for water)
- Version: = Standard; **B** = for battery

LINE 035-1/8" | REGULATORS FOR BATTERIES







GENERAL FEATURES

Modular regulator for battery set, with common inlet and regulated pressure on front connections.
Constant supply for all regulators and independent regulation for each port.
Available in relieving version for air and non-relieving for water.
Assembling kit art. C500100018 .
Knob with locking pressure nut.
Equipped with nr. 1 plug.

GENERAL TECHNICAL DATA

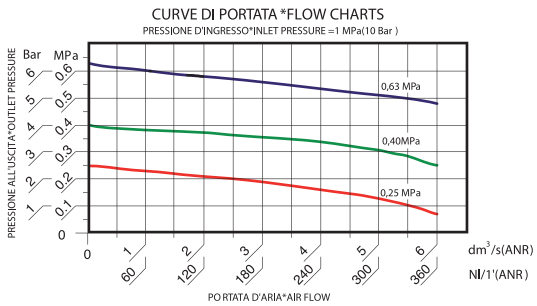
Pressure range	0-6 Bar
Maximum inlet pressure	10 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	250 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max. torque inserts G1/8" IN-OUT	20 Nm
Weight	0,080 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
035.01.00005	MR 1/8" 035 06 R B

For the non-relieving models please go to Water preparation section.



GUIDE TO REFERENCES

MR 1/8" 035 06 R

Product
MR = Microregulators

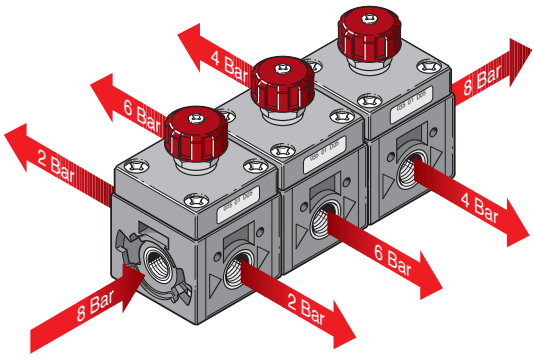
Connection
1/8" = G 1/8"

Line
035

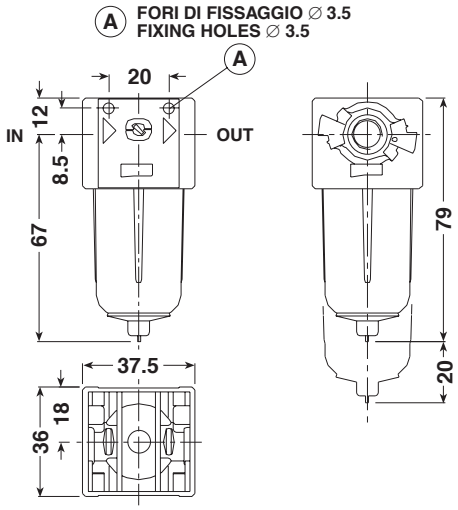
Pressure range
06 = 0 - 6 Bar

Version
R = Relieving (for air)
A = Non relieving (for water)

Version
= Standard
B = for battery



LINE **035 1/8" F** | MODULAR FILTERS



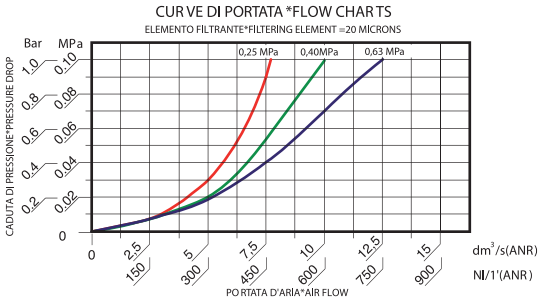
GENERAL FEATURES

Modular filter particularly compact.
It can be wall mounted through the holes prearranged on the body.
Manual condensate drain or without drain (for water).
Bowl realized from transparent hardened polyamide.

GENERAL TECHNICAL DATA

Working pressure	0,5-7 Bar
Filtering degree	5 micron; 20 micron ; 80 micron (water)
Reference flow rate (P1= 10 bar ΔP= 1 bar)	750 Nl/min
Working temperature (a 7 bar)	-5 / +50°C*
Bowl capacity	8 cc
Max. torque inserts G1/8" IN-OUT	20 Nm
Weight	0,050 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
035.02.00003	F 1/8" 035 5 TT SS
035.02.***	F 1/8" 035 20 TT SS

For the version for water please see Water Preparation.

GUIDE TO REFERENCES

F 1/8" 035 20 TT SS

Product
F = Filtro

Connection
1/8" = G 1/8"

Line
035

Filtering element
5 = 5 micron
20 = 20 micron
80 = 80 micron

Bowl
TT = Transparent

Condensate Drain
SS = Manual
__ = __ Closed bowl

LINE 035 1/8" | SPARE PARTS

GAUGE

CODE	Bar	Psi	A	B	CH.
A35.01.00035	0-6	-	25	G1/8"	11
A35.01.00025	0-12	0-175	25	G1/8"	11

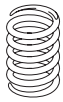
PLUG G1/8"

CODE	PRODUCT
B38.00.00018	MR - MR P

KIT ASSEMBLING UNITS

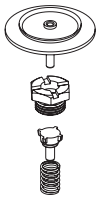
CODE	PRODUCT
C35.01.00018	MR - F - MF

REGULATION SPRING



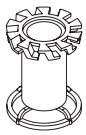
CODE	LINE	RANGE OF PRESSURE
A35.01.00006	035	0-6 Bar

DIAPHRAGM WITH VALVE



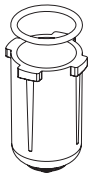
CODE	PRODUCT	VERSION
C38.00.00049	MR	RELIEVING
C38.00.00050	MR - MR P	NON RELIEVING

FILTERING ELEMENT



CODE	PRODUCT	VERSION
C35.02.00006	F	20 Micron
C35.02.00010	F	5 Micron
C35.02.00005	F	80 Micron

BOWL FOR FILTER



CODE	PRODUCT	VERSION
C35.02.00004	F - MF	SS
C35.03.00001	F	for water

LINE **042 1/4"** | MODULAR UNITS

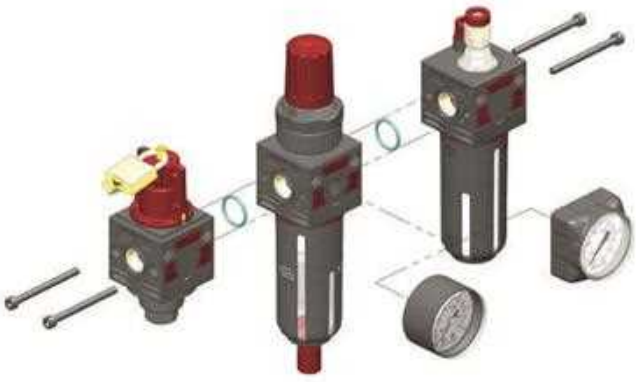
GENERAL FEATURES

Modular units Line 042 have been designed for delivering the utmost assembling flexibility in order to realize battery sets featuring exactly the functions that customer's application requires.
The additional available modules are the following:
V3 manual shut-off valve with lock
SV electric or penumatic shut-off valve
AVP slow-start valve
MF coalescing microfilter 0,01 micron
CF activated carbon filter
PA additional air inlet , intermediate, inlet or outlet

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C
Connections IN-OUT	G1/4"
Assembling type	Unit kit or battery kit
Mounting position	see singol components
Wall fixing	through holes on the body or brackets
Version with lock	V3 standard; R and FR upon request
Preset tamper-proof version	R and FR upon request

UNITS ASSEMBLING KIT

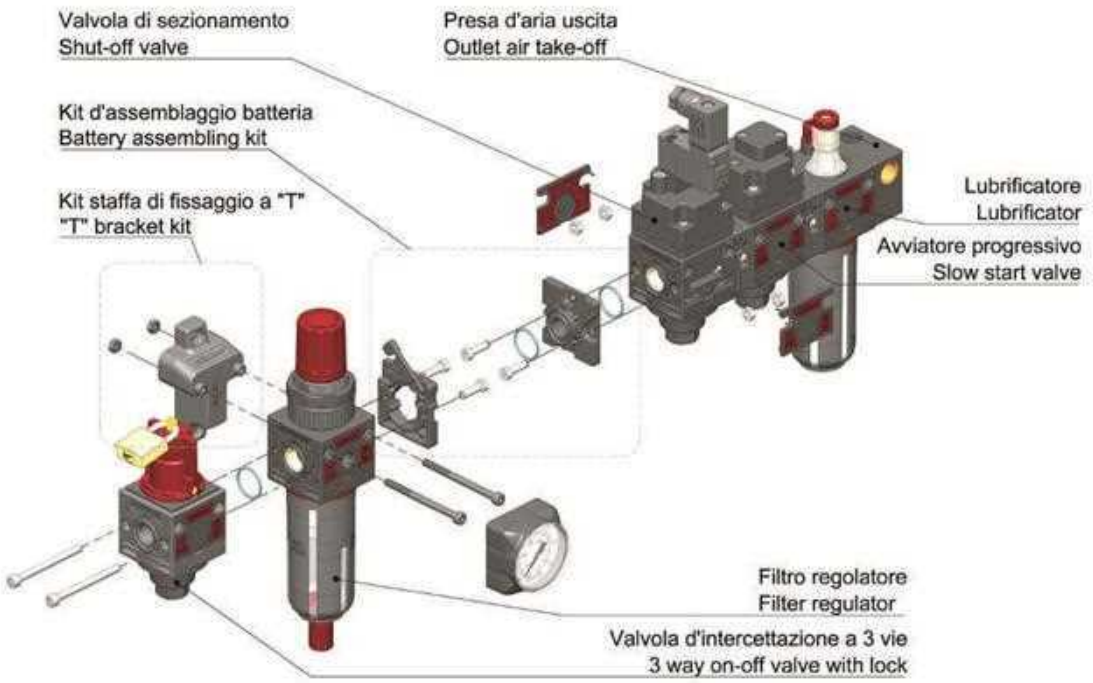


Art. C400600001 assembling kit for units FRL 042: for assembling sets of 2 or 3 units: FR+L; F+R+L; V3+FR+L or F+L; F+MF

LINE 042 1/4" | MODULAR UNITS

BATTERY ASSEMBLING KIT (SLIM KIT)

Art. C420600007 Slim Kit: assembling kit for battery sets FRL 042: it can be used for all combinations

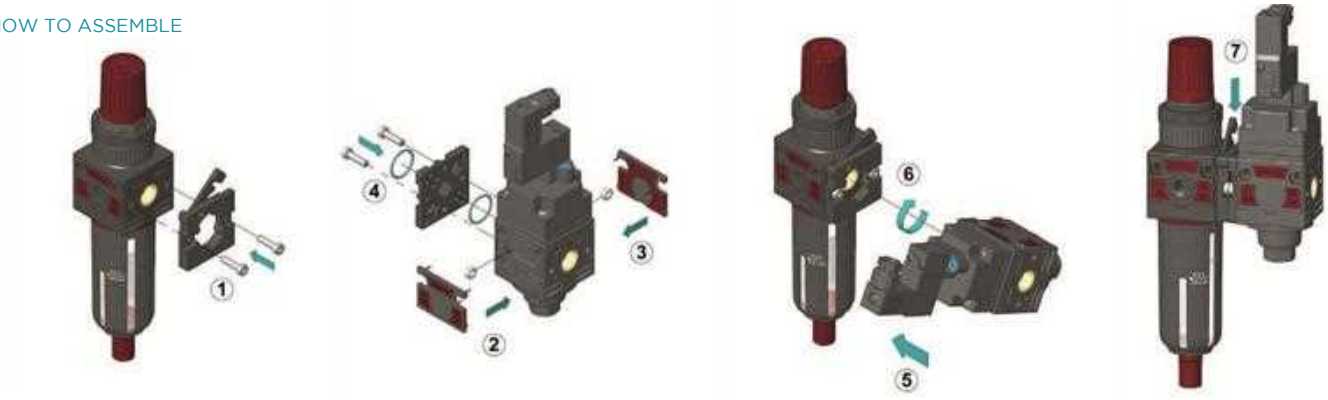


This Kit, that has been designed for providing the greatest flexibility in configurating battery sets Line 042, even offers the possibility to turn 90° the components with respect to the main axis.

STANDARD ORIENTATION

90° ORIENTATION

HOW TO ASSEMBLE



ASSEMBLY PHASES:

1. Assemble the kit left side (you can always find fixing nuts on the body of regulator and filter regulator)

2-3, Remove temporarily the plates, replace the holding bit with the nuts.

4. Assemble the kit right side

5. Turn one of the two units for allowing the locking.

6. Reposition the unit to its correct position.

7. Lock the safety tooth.

CONDENSATE DRAIN

The condensate building up within the pneumatic systems is oftern causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the ouside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

SEMIAUTOMATIC DRAIN (SS)

Semiautomatic drain is supplied as standard on all Aircomp Lines.
The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.
The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

FLOAT TYPE AUTOMATIC DRAIN (SA)

Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

DIFFERENTIAL AUTOMATIC DRAIN (SAD)

Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 0,2 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

OPEN 1/8 CONNECTION (S18)

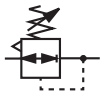
The seat with female thread 1/8 , available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves.
It is available also with locking pin with "manual drain" function.

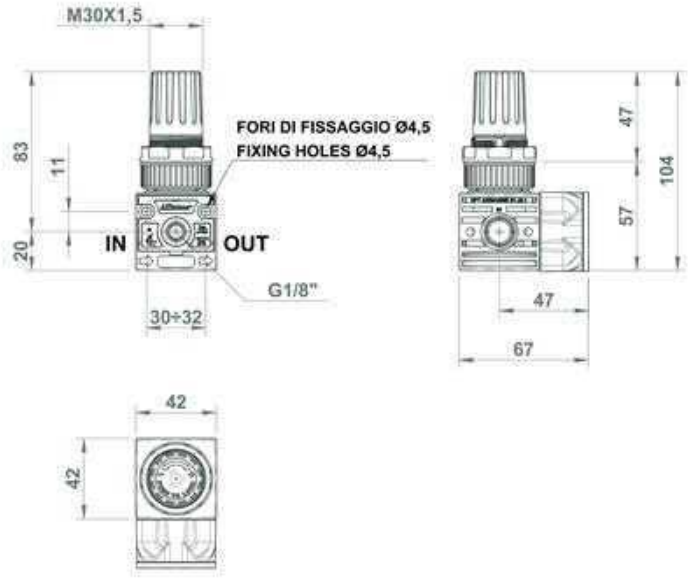
UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:
Visibility: The wide dispaly ensures a better visibility.
Compactness: Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.
Easiness: Simple mounting without tools.Tightness is guaranteed by an O-RIng, no teflon or sealant are required.
Versatility: The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.

LINE **042 1/4"** | MODULAR REGULATORS





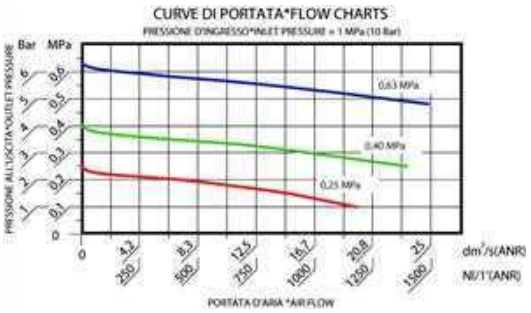
GENERAL FEATURES

Modular regulator with balanced valve which ensures big flow rate and low load loss.
Relieving for a quick exhaust of the downstream overpressure.
Knob with pressure locking device.
Equipped with nut and nr. plug.

GENERAL TECHNICAL DATA

Pressure range	0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.200 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Max tourque gauge port	**round gauge:** 1 Nm
	compact gauge: manual
Weight	0,125 kg

Below 3°C the air of the circuit must be free from humidity



For the non-relieving models please go to Water preparation section.

ORDERING CODE

CODE	REF.
042.01.00004	R 1/4" 042 04 R
042.01.***	R 1/4" 042 08 R
042.01.00006	R 1/4" 042 12 R

GUIDE TO REFERENCES

R 1/4" 042 08 R LK

Product
R = Regulator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

Version
= Standard
B = For battery

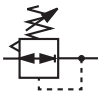
Special type
LK = Lockable

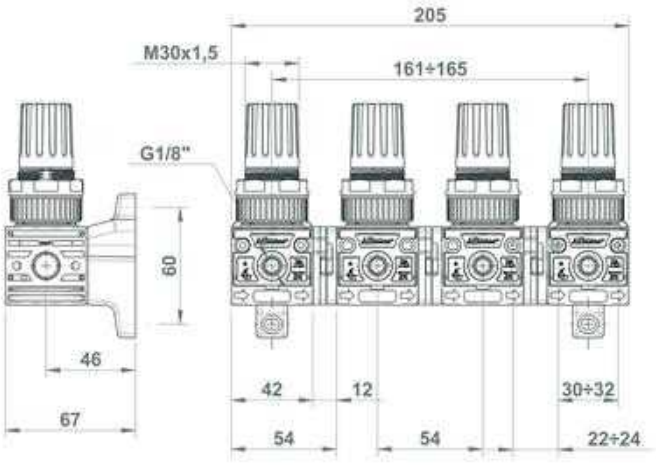
WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

042.01.M0004 R 1/4" 042 04R + GAUGE

LINE **042 1/4"** | REGULATORS FOR BATTERY





GENERAL FEATURES

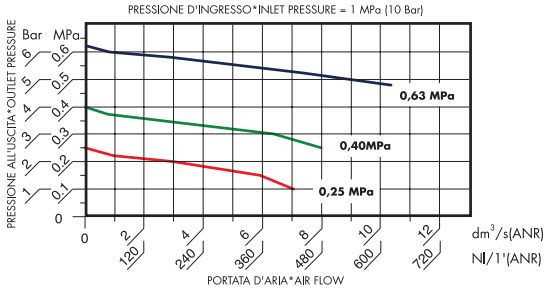
Modular regulator for BATTERY assembling, with common inlet and regulated pressure on the front connections.
Constant supply for all regulators and independent regulation pressure for each port.
Relieving for a quick exhaust of downstream overpressure.
Knob with locking pressure device.
Equipped with nut and nr. 1 plug.

GENERAL TECHNICAL DATA

Pressure range	0-2; 0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	600 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
INLET-OUTLET connections	G1/4"
Regulated pressure connections	G1/8"
Max Torque G1/4" IN-OUT	25 Nm
Max tourque gauge port round	1 Nm
Weight	0,125 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA*FLOW CHARTS



ORDERING CODE

CODE	REF.
042.01.00045	R 1/4" 042 02 R B
042.01.00046	R 1/4" 042 04 R B
042.01.00047	R 1/4" 042 08 R B
042.01.00048	R 1/4" 042 12 R B

For the non-relieving models please go to Water preparation section.

Please note: the regulator for battery is not suitable for the COMPACT gauge. The round gauge must be used.

GUIDE TO REFERENCES

R 1/4" 042 08 R LK

Product
R = Regulator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

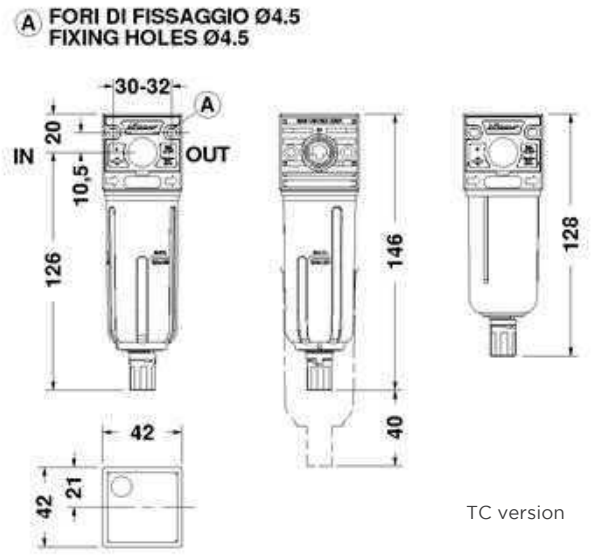
Version
= Standard
B = For battery

Special type
LK = Lockable

Assembling scheme

For assembling regulators for battery, the kit art. C420600007 must be used.

LINE 042 1/4" | MODULAR FILTERS



TC version

PE and TT version.

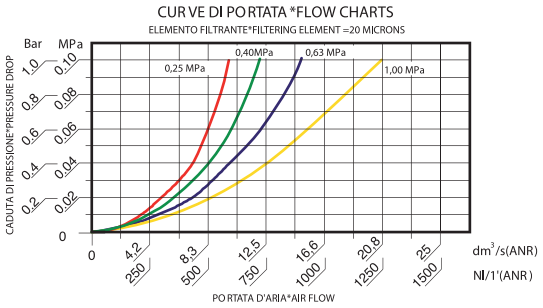
GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.
It can be wall mounted through the holes prearranged on the body.
Equipped with semiautomatic condensate drain as standard (SS).
Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide, available in following configurations:
TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 – 16 Bar mod. SA: 1,5 – 10 Bar mod. SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.250 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	TT = 22cc; PE = 22cc; TC = 15cc
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,095 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
042.02.***	F 1/4" 042 20 TT SS
042.02.00109	F 1/4" 042 5 TT SS
042.02.00072	F 1/4" 042 20 PE SS
042.02.00118	F 1/4" 042 5 PE SS
042.02.00110	F 1/4" 042 20 TC SS (short bowl)
042.02.00176	F 1/4" 042 5 TC SS (short bowl)
Float type automatic drain version.	
042.02.00151	F 1/4" 042 20 TT SA
042.02.00152	F 1/4" 042 5 TT SA
042.02.00153	F 1/4" 042 20 PE SA
042.02.00154	F 1/4" 042 5 PE SA
"Differential" automatic drain version.	
042.02.00180	F 1/4" 042 20 TT SAD
042.02.00181	F 1/4" 042 5 TT SAD
042.02.00182	F 1/4" 042 20 PE SAD
042.02.00183	F 1/4" 042 5 PE SAD

GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

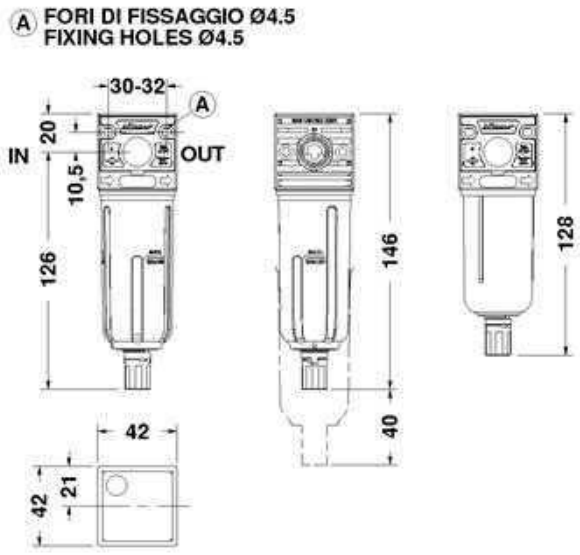
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Tazza
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

LINE **042 1/4"** | COALESCING MICROFILTERS (OIL REMOVER)



PE and TT version. TC version

GENERAL FEATURES

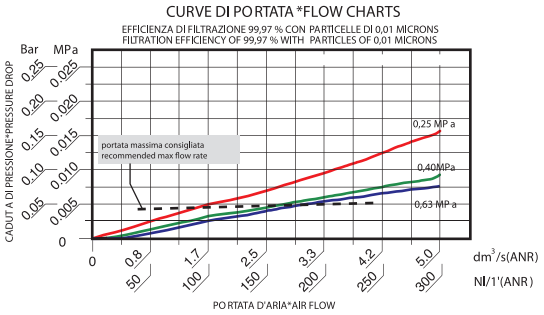
Modular filter with coalescing cartridge made from glass boro-silicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).
It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.
Application: it is suitable for removing oil remnants in pneumatic circuits.
It can be wall mounted through the holes prearranged on the body.
Equipped with semiautomatic condensate drain as standard (SS).
Bowl made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Drain working pressure	0,5 Bar
Filtering degree	0,01 micron
Recommended max flow rate	180 Nl/min
Working temperature (a 10 bar)	-5 / +50°C
Bowl capacity	TT = 22cc; PE = 22cc; TC = 15cc
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,095 kg

ORDERING CODE

CODE	REF.
042.02.00064	MF 1/4" 042 0,01 TT SS
042.02.00115	MF 1/4" 042 0,01 PE SS
042.02.00111	MF 1/4" 042 0,01 TC SS (short bowl)
Float type automatic drain version.	
042.02.00159	MF 1/4" 042 0,01 TT SA
042.02.00160	MF 1/4" 042 0,01 PE SA
"Differential" automatic drain version.	
042.02.00184	MF 1/4" 042 0,01 TT SAD
042.02.00185	MF 1/4" 042 0,01 PE SAD



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

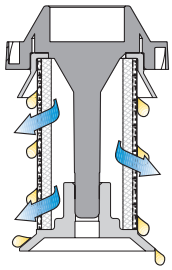
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

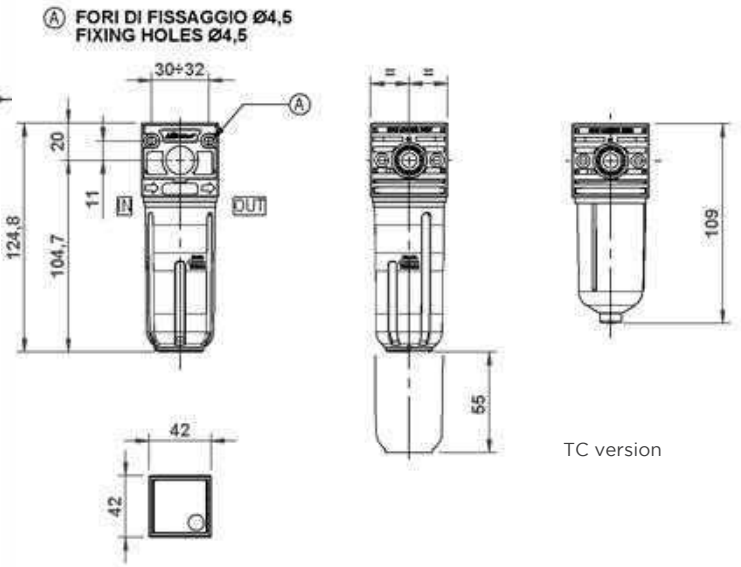
COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special high efficiency cartridge, which stops solid particles, captures and joins outside the oil particles (coalescing effect), so that they can easily fall to the bottom of the bowl and be drained outside. In doing so, the filtered air will be free from solid impurities and liquid particles.



LINE 042 1/4" | CARBON FILTERS



TC version

PE and TT version.

GENERAL FEATURES

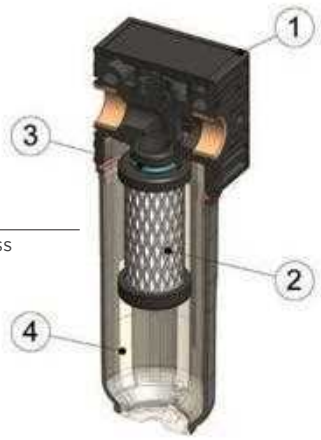
Aircomp activated carbon filter exploits the absorbtion properties of activated carbon in order to increase air purity and eliminate unpleasant smell in the air aimed at the industrial sector.
The activated carbon filter, in order to guarantee its performance, needs to be associated with a coalescing filter, that should be preceded by a 5 Micron filter (F+MF+CF).
It can be wall mounted through the holes prearranged on the body.
Closed bowl (without drain) made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

Fluid	compressed air
Maximum inlet pressure	16 Bar
Filtering cartridge	activated carbon
Life of cartridge	Replacement against pressure drop higher than 0,75 bar. Anyhow, do not exceed 2,000 working hours. Saturation of activated carbon may not cause pressure drop.
Reference flow rate	see the flow chart
Working temperature (a 10 bar)	-5 / +50°C
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,10 kg

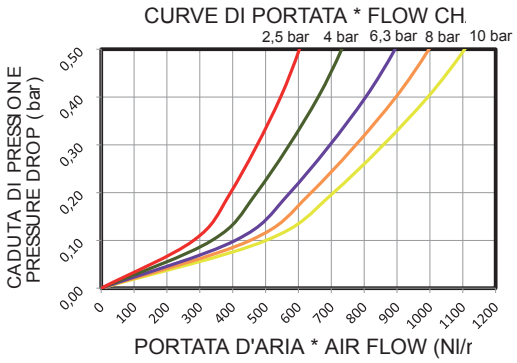
ORDERING CODE

CODE	REF.
042.02.00300	CF 042 1/4 CA TT
042.02.00301	CF 042 1/4 CA TC (short bowl)
042.02.00302	CF 042 1/4 CA PE



COMPONENTI

1. **Body** - resina acetalica + brass
2. **Carbon filter cartridge**
3. **O-ring** - NBR
4. **Bowl** - Toughened PA



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

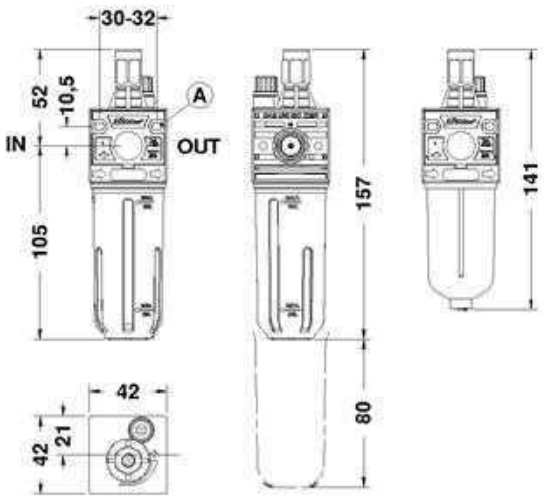
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

LINE **042 1/4"** | LUBRICATORS



PE and TT version. TC version

GENERAL FEATURES

Propotional oil mist lubricator allowing a constant oil delivery over time.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
Oil filling plug.
It can be wall mounted through the holes prearranged on the body.
Closed bowl (without drain) made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Bowl capacity	TT= 42cc; PE=42cc; TC=32cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.060 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,095 kg

Below 3°C the air of the circuit must be free from humidity

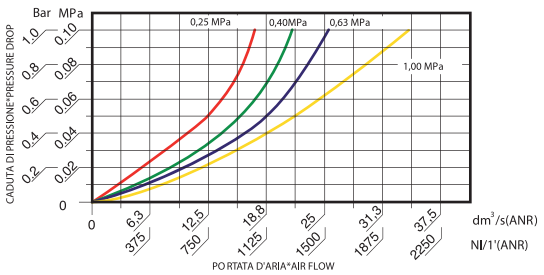
ORDERING CODE

CODE	REF.
042.03.***	L 1/4" 042 TT
042.03.00072	L 1/4" 042 PE
042.03.00078	L 1/4" 042 TC (short bowl)

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	**MPa**	**Bar**	**dm³/s (ANR)**	**Nl/1' (ANR)**	**SCFM**
36	0,25	2,50	0,36	22	0.77
58	0,40	4,00	0,43	26	0.92
91	0,63	6,30	0,50	30	1.05

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

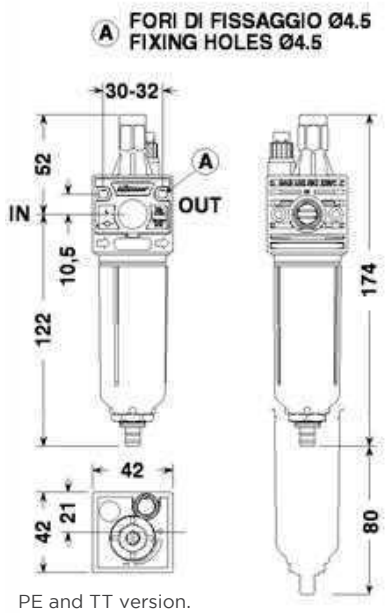
Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
- = Standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

LINE 042 1/4" | VL VACUUM FILLING LUBRICATORS



PE and TT version.

GENERAL FEATURES

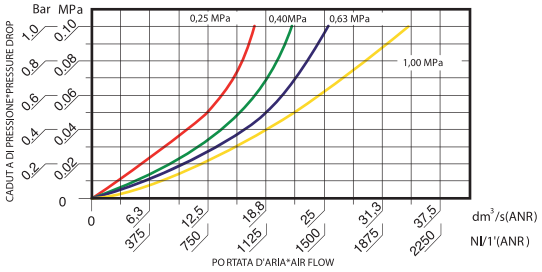
Propotional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
It can be wall mounted through the holes prearranged on the body.
Closed bowl (without drain) made from hardened polyamide, available in following configurations: TT = transparent; PE = outer guard; TC = short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Minimum working pressure	4 Bar
Bowl capacity	TT= 42cc; PE=42cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.060 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,14 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE

CODE	REF.
042.03.00500	L 1/4" 042 TT VL
042.03.00501	L 1/4" 042 PE VL

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	**MPa**	**Bar**	**dm3/s (ANR)**	**Nl/11 (ANR)**	**SCFM**
36	0,25	2,50	0,36	22	0.77
58	0,40	4,00	0,43	26	0.92
91	0,63	6,30	0,50	30	1.05

GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

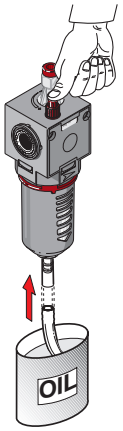
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
- Standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

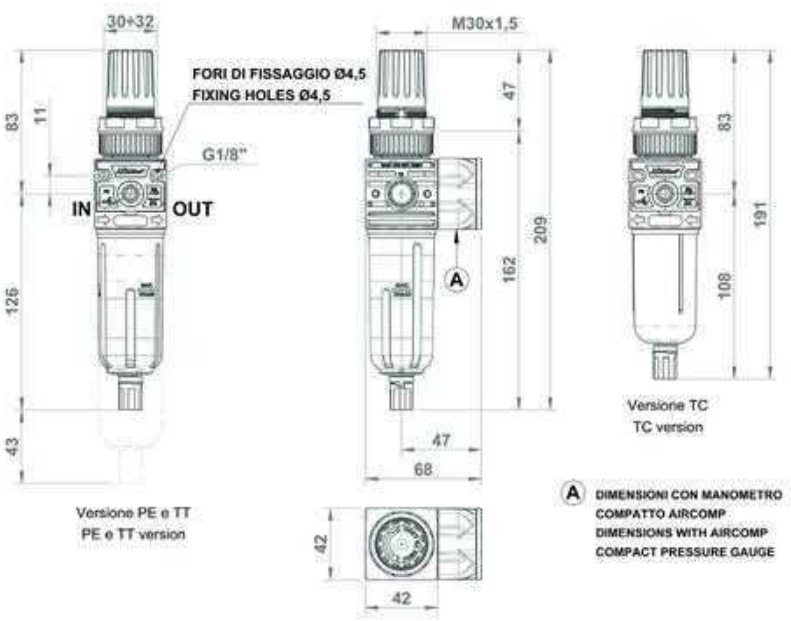
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

FUNCTIONING VL

The oil filling is achieved by pressing and holding the button at the base of the lubricator body.
The "Venturi" system causes a vacuum inside the bowl and the related oil intake.
The oil fillling is stopped only upon releasing the button.
The oil level is visually checked during the filling.
Max. suction height : 1,5 m.



LINE **042 1/4"** | FILTER REGULATORS



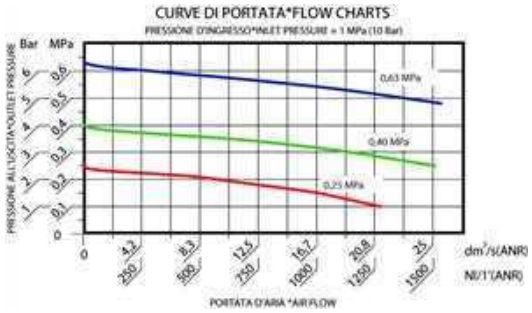
GENERAL FEATURES

High performance modular filter regulator ensuiriung big flow rate and low load loss.
Relieving for a quick exhaust of the downstream overpressure.
Knob with locking pressure device.
Equipped with semiautomatic drain as standard (SS).

GENERAL TECHNICAL DATA

Pressure range	0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 – 16 Bar mod. SA: 1,5 – 10 Bar mod. SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.200 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Max tourque gauge port	**round:** 1 Nm **compact:** manual
Bowl capacity	TT = 22cc; PE = 22cc; TC = 15cc
Weight	0,125 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
042.04.***	FR 1/4" 042 20 08 R TT SS
042.04.00052	FR 1/4" 042 20 12 R TT SS
042.04.00113	FR 1/4" 042 5 08 R TT SS
042.04.00114	FR 1/4" 042 5 12 R TT SS
042.04.00133	FR 1/4" 042 20 08 R TC SS (short bowl)
042.04.00230	FR 1/4" 042 5 08 R TC SS (short bowl)
042.04.00072	FR 1/4" 042 20 08 R PE SS
042.04.00127	FR 1/4" 042 20 12 R PE SS
042.04.00129	FR 1/4" 042 5 08 R PE SS
042.04.00130	FR 1/4" 042 5 12 R PE SS
Float type automatic drain version.	
042.04.00151	FR 1/4" 042 20 08 R TT SA
042.04.00154	FR 1/4" 042 5 08 R TT SA
042.04.00157	FR 1/4" 042 20 08 R PE SA
042.04.00160	FR 1/4" 042 5 08 R PE SA
"Differential" automatic drain version.	
042.04.00238	FR 1/4" 042 20 08 R TT SAD
042.04.00240	FR 1/4" 042 5 08 R TT SAD
042.04.00242	FR 1/4" 042 20 08 R PE SAD
042.04.00244	FR 1/4" 042 5 08 R PE SAD

GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product
FR = Filter regulator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

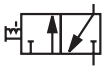
Tazza
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

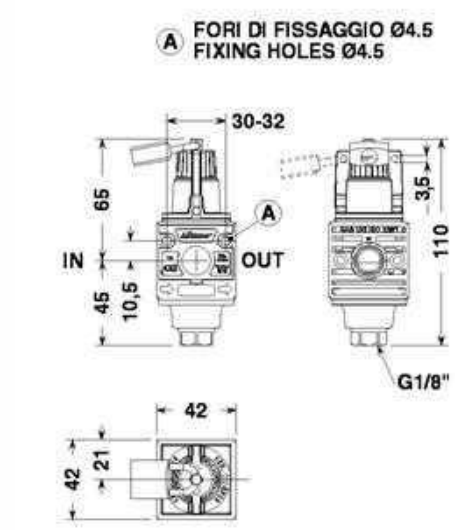
Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?
Replace 0 with "M" the the 6th digit of the part nr. for example:

042.04.M0072 FR 1/4" 042 20 08R PE SS + GAUGE

LINE 042 1/4" | 3-WAY VALVES WITH LOCK





GENERAL FEATURES

The job of the 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized.
The valve is equipped with nr. 1 lock and nr. 2 keys.

GENERAL TECHNICAL DATA

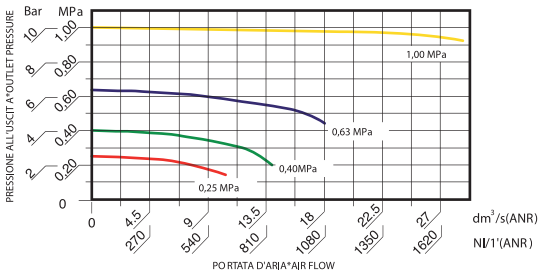
INLET-OUTLET connections	G1/4"
Exhaust connection	G1/8"
Maximum inlet pressure	16 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,155 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.25.00001	V 1/4" 042 V 3

CURVE DI PORTATA *FLOW CHARTS

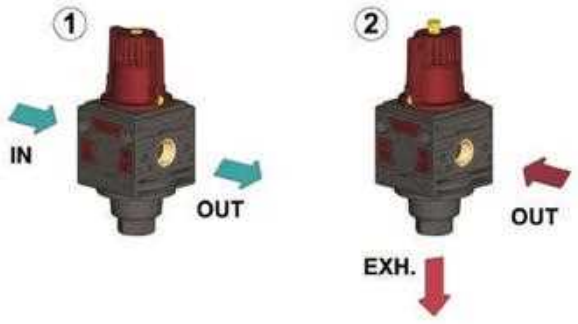


GUIDE TO REFERENCES

V 1/4" 042 3V

Product	Functioning
V = 3 way Valve	**3V** = 3 Way

Connection	Line
1/4" = G 1/4"	**042**
3/8" = G 3/8"	**050**
1/2" = G 1/2"	**052**
3/4" = G 3/4"	**075**
	080



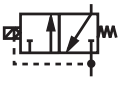
1. with OPEN VALVE

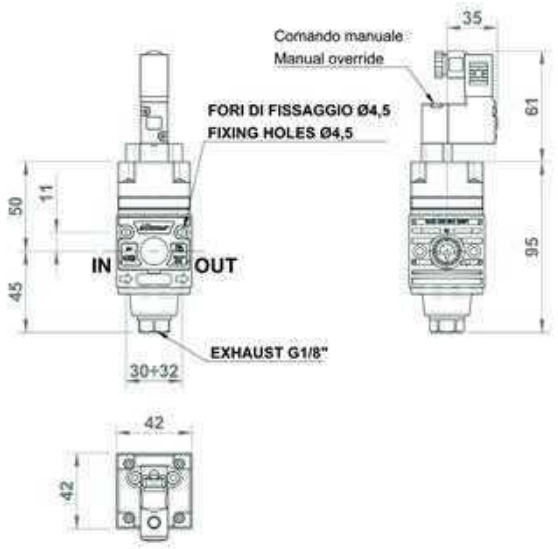
IN and OUT are in communication for an open air flow

2. with CLOSED VALVE

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

LINE 042 1/4" | ELECTRICAL SHUT-OFF VALVES PILOT 15MM





GENERAL FEATURES

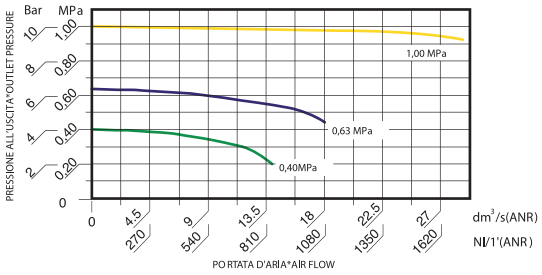
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control consolle.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/4"
Exhaust connection	G1/8"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Weight	0,20 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
- **SV** = Shut-off valve

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"

Line
- **042**
- **050**
- **052**
- **075**
- **080**

Voltage
- **12 VDC**
- **24 VDC**
- **24 VAC**
- **110 VAC**
- **220 AC**

Version
- **15MM** = Solenoid pilot 15 mm
- **CNOM** = Electric controlC-NOMO
- **PNEU** = Pneumatic

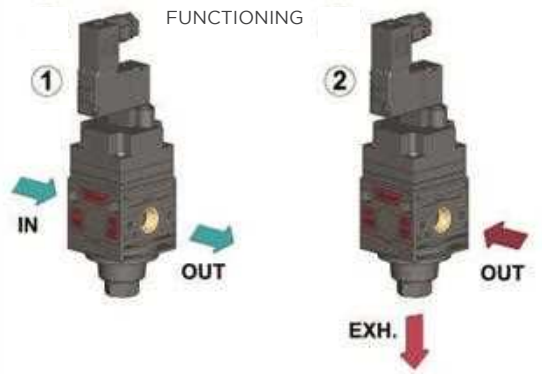
ORDERING PART NR. COMPLETE UNIT

CODE	REF.
042.26.00102	SV 1/4 042 15MM 12V DC
042.26.00202	SV 1/4 042 15MM 24V DC
042.26.00602	SV 1/4 042 15MM 24V AC
042.26.00702	SV 1/4 042 15MM 110V AC
042.26.00802	SV 1/4 042 15MM 220V AC

ORDERING PART NR. SEPARATE COMPONENTS

CODE	REF.
C50.26.00002	KIT C. ELECTR. 3/2 NC 2,5W 24V DC
C50.26.00003	KIT C. ELECTR. 3/2 NC 3 VA 24V AC
C50.26.00004	KIT C. ELECTR. 3/2 NC 3 VA 110V AC
C50.26.00005	KIT C. ELECTR. 3/2 NC 3 VA 220V AC
042.26.00002	SV 1/4" 042 PRED. C. ELECTR. MICROSOL/PNEUM

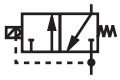
FUNCTIONING

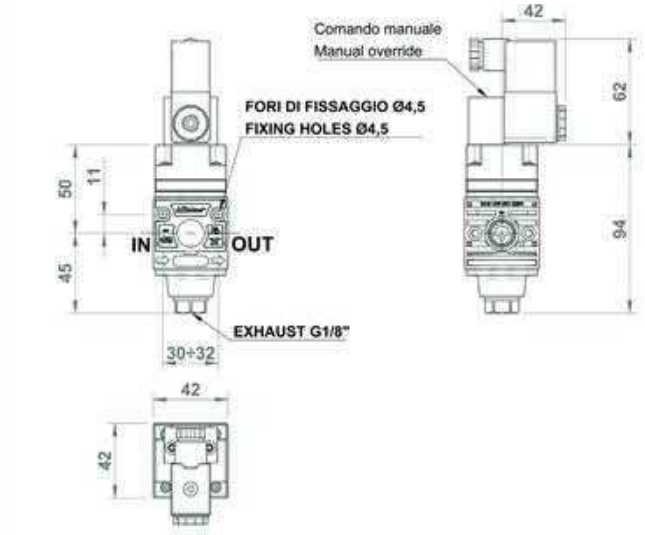


1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

LINE 042 1/4" | ELECTRICAL SHUT-OFF VALVES CNOMO





GENERAL FEATURES

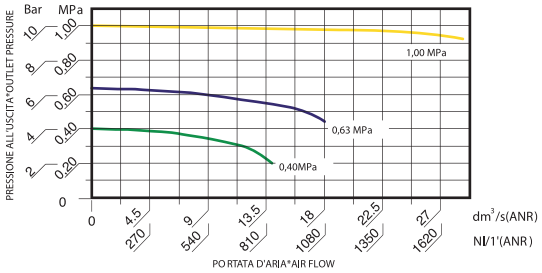
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The electrical model is often connected to ON-OFF switches or emergency mushrooms present on the control consolle.
Application: it can be used singularly, or more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/4"
Exhaust connection	G1/8"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C
Max Torque G1/4" IN-OUT	25 Nm
Electric pilot	3/2 NC (tipo CNOMO) for coil 22mm
Available voltage	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
Weight	0,28 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

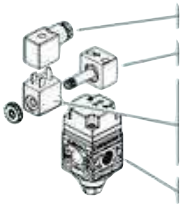
Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version
15MM = Solenoid pilot 15 mm
CNOM = Electric controlC-NOMO
PNEU = Pneumatic

ORDERING PART NR. COMPLETE UNIT

CODE	REF.
042.26.00101	SV 1/4 042 CNOM 12V DC
042.26.00201	SV 1/4 042 CNOM 24V DC
042.26.00601	SV 1/4 042 CNOM 24V AC
042.26.00701	SV 1/4 042 CNOM 110V AC
042.26.00801	SV 1/4 042 CNOM 220V AC

ORDERING PART NR. SEPARATE COMPONENTS



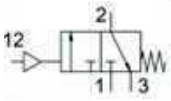
CODE	REF.
A50.26.00010	CONNETTORE
C40.26.00011	C. ELECTR. EV 3/2 NC CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
042.26.00001	SV 1/4" 042 PRED. C. ELECTR. CNOMO

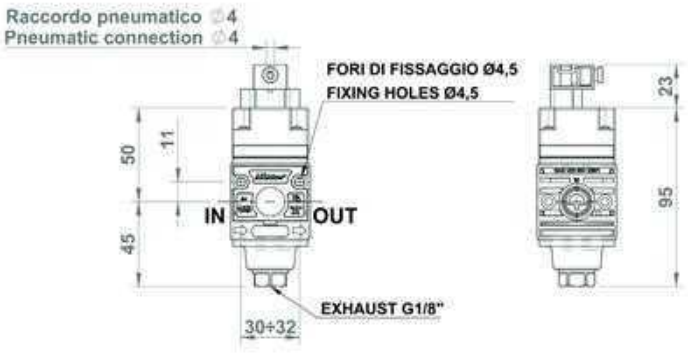
FUNCTIONING

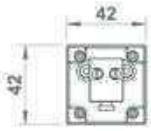
1. with actuated pilot, the SV is open (IN-OUT communication)

2. with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)

LINE **042 1/4"** | PNEUMATIC SHUT-OFF VALVES







GENERAL FEATURES

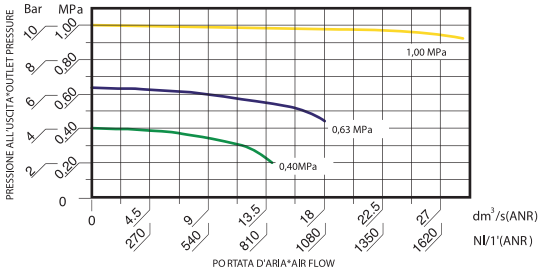
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The pneumatic model is often connected to mushrooms actuators present on the control consolle.
Application: it can be used singularly or, more commnly, assembled in battery set. It is actuated for depressurizing the circuit.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/4"
Exhaust connection	G1/8"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Pneumatic connection	push-in fitting D. 4mm
Weight	0,189 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING PART NR. COMPLETE UNIT

CODE	REF.
042.26.00902	SV 1/4 042 PNEUMATIC

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

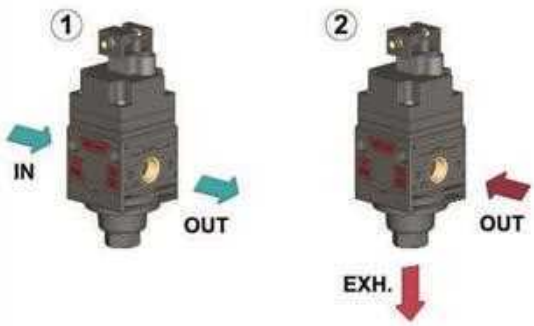
Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version
15MM = Electric control 15 mm
CNOM = Electric controlC-NOMO
PNEU = Pneumatic

ORDERING PART NR. SEPARATE COMPONENTS

CODE	REF.
C40.26.00014	PNEUMATIC CONTROL KIT
042.26.00002	SV VALVE BODY PRESET 15mm/PNEU

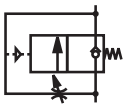
FUNCTIONING



1. with piloting under pressure, the SV is open (IN-OUT communication)

2, with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)

LINE **042 1/4"** | SLOW-START VALVES



GENERAL FEATURES

The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on.
The gradual pressurization takes place until about 60% of the supply pressure is reached.
The pressurization time can be adjusted through the speed controller positioned in the upper part of the body.
Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

GENERAL TECHNICAL DATA

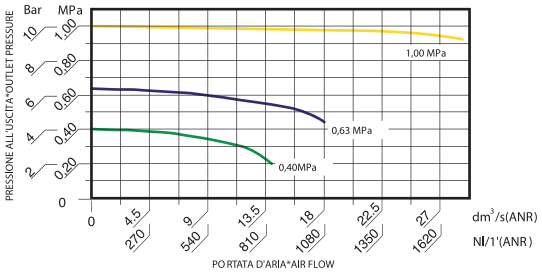
INLET-OUTLET connections	G1/4"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,136 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.27.00001	AVP 1/4" 042 PN Autonom.

CURVE DI PORTATA *FLOW CHARTS

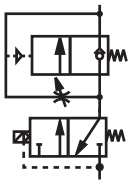


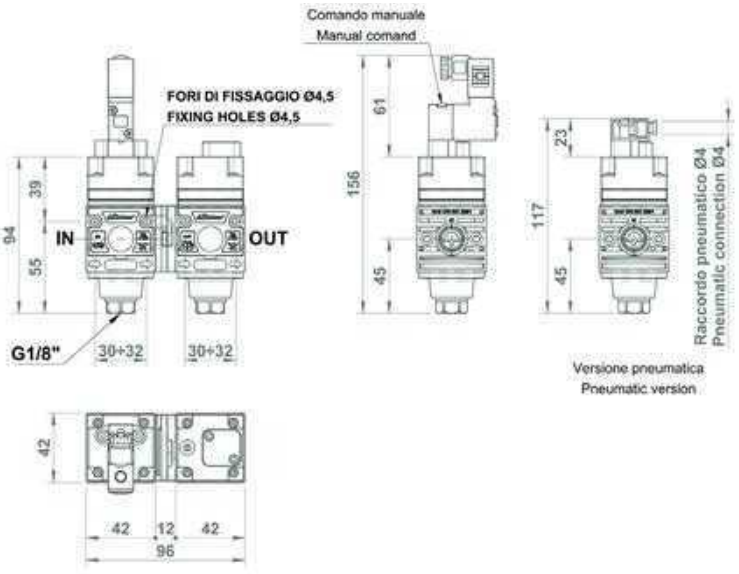
GUIDE TO REFERENCES

AVP 1/4" 042 PN

Product	Connection	Line	Functioning
AVP = Slow-start valve	**1/4"** = G 1/4"	**042**	**PN** = Pneumatic
	3/8" = G 3/8"	**050**	
	1/2" = G 1/2"	**052**	
	3/4" = G 3/4"	**075**	
		080	

LINE **042 1/4"** | SHUT-OFF/SLOW START COMBINATIONS





GENERAL FEATURES

SVAV is a set consisting of shut-off valve (SV) and slow-start valve (AVP), assembled and equipped with electric or pneumatic control.
This complete unit, combines the functions of exhausting the pneumatic circuit and cutting-off air supply (SV) with the progressive pressurization provided by the slow-start valve (AVP).
The valves are available with electric control in different voltages or with pneumatic control.
The proposed set is ready to be subsequently assembled with other Aircomp modules, or singularly mounted.
For further information about SV and AVP, please refer to the respective datasheets.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/4"
Exhaust connection	G1/8"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Pneumatic connection	push-in fitting D. 4mm
SVAV E Weight	0,365 kg
SVAV P Weight	0,325 kg

Below 3°C the air of the circuit must be free from humidity

GUIDE TO REFERENCES

SVAV 1/4" 042 E 24VDC

Product
SVAV = SV+AVP

Connection
1/4" = G1/4"

Line
042

Special type
24VDC
24VAC
110VAC
220VAC

Version
E = Electric
P = Pneumatic

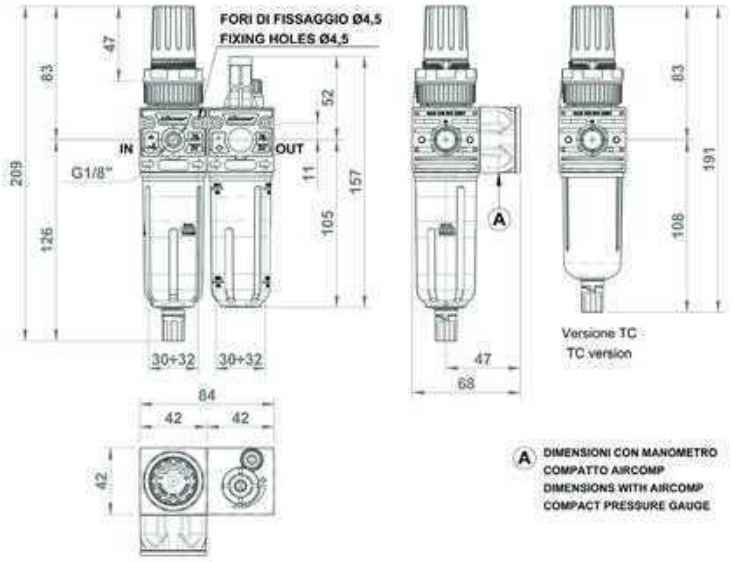
ORDERING PART NR.ELECTRIC VERSION

CODE	REF.
042.28.00001	SVAV 1/4 042 E 24V DC
042.28.00002	SVAV 1/4 042 E 24V AC
042.28.00003	SVAV 1/4 042 E 110V AC
042.28.00004	SVAV 1/4 042 E 220V AC

ORDERING PART NR. PNEUMATIC VERSION

CODE	REF.
042.28.00005	SVAV 1/4 042 P Ø4

LINE 042 1/4" | FR+L UNITS



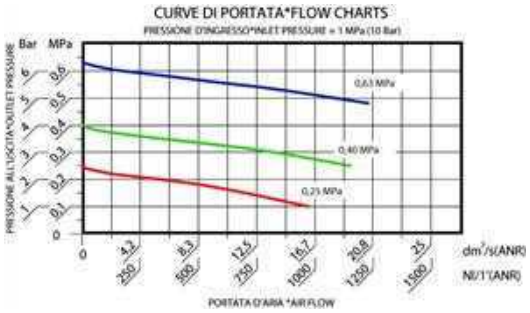
GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.

GENERAL TECHNICAL DATA

Pressure range	0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 – 16 Bar mod. SA: 1,5 – 10 Bar mod. SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	980 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Max tourque gauge port	**round:** 1 Nm **compact:** manual
Weight	0,32 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
042.06.***	FR+L 1/4" 042 20 08 R TT SS
042.06.00052	FR+L 1/4" 042 20 12 R TT SS
042.06.00115	FR+L 1/4" 042 5 08 R TT SS
042.06.00116	FR+L 1/4" 042 5 12 R TT SS
042.06.00124	FR+L 1/4" 042 20 08 R TC SS
042.06.00132	FR+L 1/4" 042 20 12 R TC SS
042.06.00133	FR+L 1/4" 042 5 08 R TC SS
042.06.00134	FR+L 1/4" 042 5 12 R TC SS
042.06.00500	FR+L 1/4" 042 20 08 R TT SS VL
042.06.00504	FR+L 1/4" 042 20 12 R TT SS VL
042.06.00072	FR+L 1/4" 042 20 08 R PE SS
042.06.00126	FR+L 1/4" 042 20 12 R PE SS
042.06.00128	FR+L 1/4" 042 5 08 R PE SS
042.06.00129	FR+L 1/4" 042 5 12 R PE SS
042.06.00193	FR+L 1/4" 042 20 08 R PE SS VL
042.06.00194	FR+L 1/4" 042 20 12 R PE SS VL
Float type automatic drain version.	
042.06.00151	FR+L 1/4" 042 20 08 R TT SA
042.06.00153	FR+L 1/4" 042 20 12 R TT SA
042.06.00157	FR+L 1/4" 042 20 08 R PE SA
042.06.00159	FR+L 1/4" 042 20 12 R PE SA
"Differential" automatic drain version.	
042.06.00191	FR+L 1/4" 042 20 08 R TT SAD
042.06.00192	FR+L 1/4" 042 20 12 R TT SAD
042.06.00501	FR+L 1/4" 042 20 08 R PE SAD
042.06.00505	FR+L 1/4" 042 20 12 R PE SAD

GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

Product
- **FR+L** = Filter regulator + Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron

Range of pressure
- **04** = 0 - 4 Bar
- **08** = 0 - 8 Bar
- **12** = 0 - 12 Bar

Version
- **R** = Relieving

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

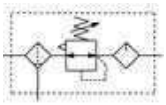
Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

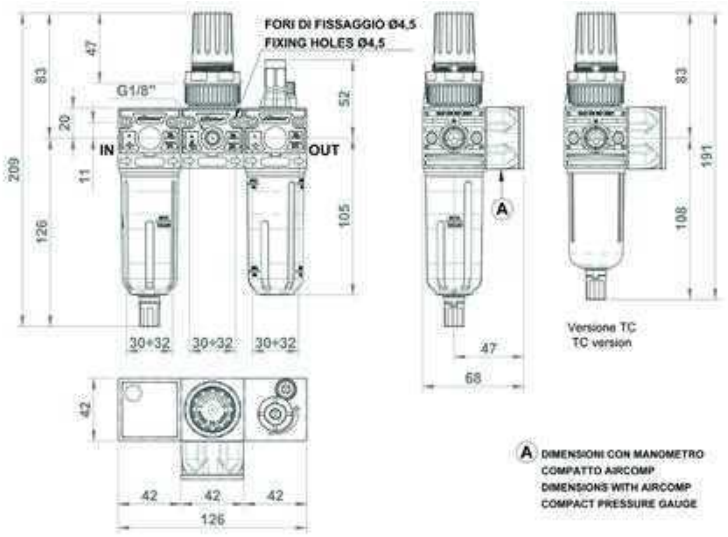
WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

042.06.M0072 FR+L 1/4" 042 20 08R PE SS + GAUGE

LINE **042 1/4"** | F + R + L UNITS





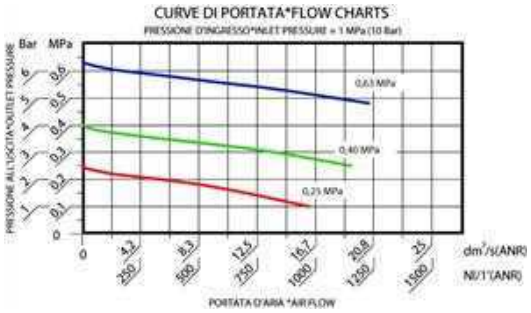
GENERAL FEATURES

Unit consisting of Filter + Regualtor + Lubricator.
It combines the functions of filtration, pressure regulation and lubrication of compressed air for industrial applications.
Set delivering big flow rate and regulation sensitivity, filtration with high condensate separation.
It is equipped with semiautomatic drain as standard (SS).

GENERAL TECHNICAL DATA

Pressure range	0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 – 16 Bar mod. SA: 1,5 – 10 Bar mod. SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	980 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Max tourque gauge port	**round:** 1 Nm
	compact: manual
Weight	0,35 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
42.05.***	F+R+L 1/4" 042 20 08 R TT SS
042.05.00103	F+R+L 1/4" 042 20 12 R TT SS
042.05.00105	F+R+L 1/4" 042 5 08 R TT SS
042.05.00170	F+R+L 1/4" 042 20 08 R TC SS
042.05.00172	F+R+L 1/4" 042 5 08 R TC SS
042.05.00500	F+R+L 1/4" 042 20 08 R TT SS VL
042.05.00504	F+R+L 1/4" 042 20 12 R TT SS VL
042.05.00118	F+R+L 1/4" 042 20 08 R PE SS
042.05.00114	F+R+L 1/4" 042 20 12 R PE SS
042.05.00116	F+R+L 1/4" 042 5 08 R PE SS
042.05.00117	F+R+L 1/4" 042 5 12 R PE SS
042.05.00501	F+R+L 1/4" 042 20 08 R PE SS VL
Float type automatic drain version.	
042.05.00151	F+R+L 1/4" 042 20 08 R TT SA
042.05.00157	F+R+L 1/4" 042 20 08 R PE SA
"Differential" automatic drain version.	
042.05.00166	F+R+L 1/4" 042 20 08 R TT SAD
042.05.00168	F+R+L 1/4" 042 20 08 R PE SAD

GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

Product
F+R+L = Filter + Regulator + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

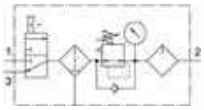
Tazza
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

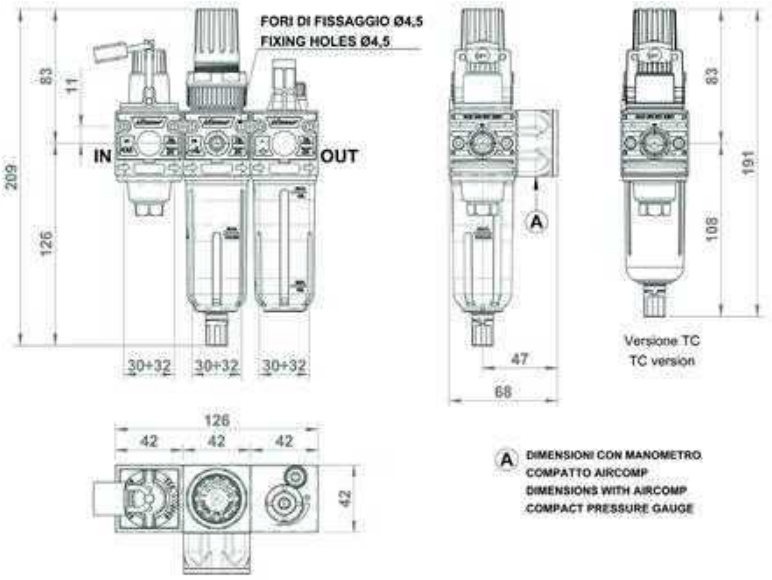
Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?
Replace 0 with "M" the the 6th digit of the part nr. for example:

042.05.M0118 F+R+L 1/4" 042 20 08R PE SS + GAUGE

LINE **042 1/4"** | V3 + FR + L UNITS





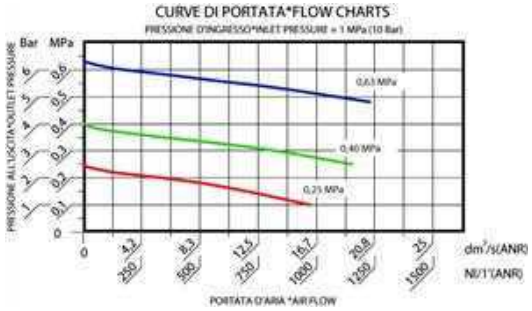
GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).
It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.
Lockable V3 valve for greater safety during maintenance operations.
It is equipped with semiautomatic drain as standard (SS).

GENERAL TECHNICAL DATA

Pressure range	0-4; 0-8; 0-12 Bar
Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 – 16 Bar mod. SA: 1,5 – 10 Bar mod. SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	980 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	25 Nm
Max tourque gauge port	**round:** 1 Nm **compact:** manual
Weight	0,464 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
042.36.***	V3+FR+L 1/4" 042 20 08 R TT SS
042.36.00115	V3+FR+L 1/4" 042 5 08 R TT SS
042.36.00130	V3+FR+L 1/4" 042 20 08 R TC SS
042.36.00132	V3+FR+L 1/4" 042 5 08 R TC SS
042.36.00500	V3+FR+L 1/4" 042 20 08 R TT SS VL
042.36.00072	V3+FR+L 1/4" 042 20 08 R PE SS
042.36.00126	V3+FR+L 1/4" 042 20 12 R PE SS
042.36.00128	V3+FR+L 1/4" 042 5 08 R PE SS
042.36.00501	V3+FR+L 1/4" 042 20 08 R PE SS VL
Float type automatic drain version.	
042.36.00151	V3+FR+L 1/4" 042 20 08 R TT SA
042.36.00153	V3+FR+L 1/4" 042 20 12 R TT SA
042.36.00157	V3+FR+L 1/4" 042 20 08 R PE SA
"Differential" automatic drain version.	
042.36.00191	V3+FR+L 1/4" 042 20 08 R TT SAD
042.36.00193	V3+FR+L 1/4" 042 20 08 R PE SAD

GUIDE TO REFERENCES

V3+FR+L 1/4" 042 20 08 R PE SS

Product
V3+FR+L = V3 + Filter regulator + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

Tazza
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

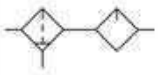
Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

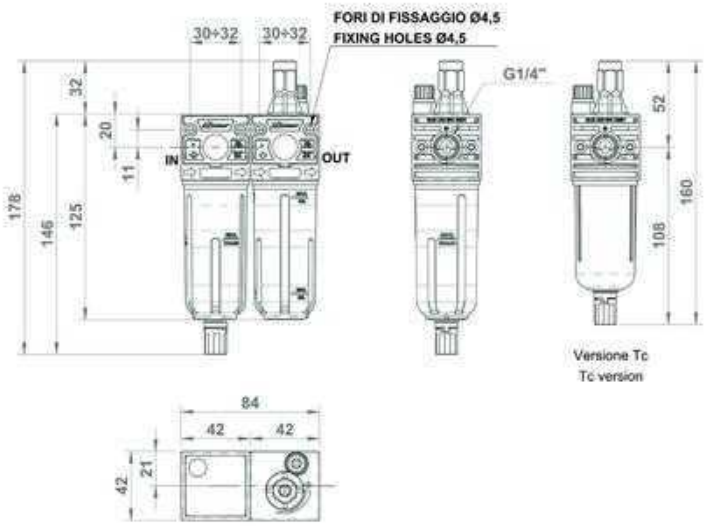
WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

042.36.M0072 V3+FR+L 1/4" 042 20 08R PE SS + GAUGE

LINE **042 1/4"** | F + L UNITS





GENERAL FEATURES

Unit consisting of Filter and Lubricator.
It combines the functions of filtration and lubrication of compressed air for industrial applications.
Proportional oil mist lubricator ensuring a constant oil delivery over time.
Bowl made from hardened polyamide available in following configurations:
TT = transparent; PE = outer guard; TC= short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 – 16 Bar mod. SA: 1,5 – 10 Bar mod. SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.250 Nl/min
Working temperature (a 10 bar)	-5 / +50°C
Max Torque G1/4" IN-OUT	25 Nm
Recommended oil viscosity	ISO VG32
Weight	0,207 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.07.***	F+L 1/4" 042 20 TT SS
042.07.00132	F+L 1/4" 042 20 TC SS
042.07.00500	F+L 1/4" 042 20 TT SS VL
042.07.00072	F+L 1/4" 042 20 PE SS
Float type automatic drain version.	
042.07.00151	F+L 1/4" 042 20 TT SA
042.07.00153	F+L 1/4" 042 20 PE SA
"Differential" automatic drain version.	
042.07.00128	F+L 1/4" 042 20 TT SAD
042.07.00129	F+L 1/4" 042 5 TT SAD
042.07.00130	F+L 1/4" 042 20 PE SAD
042.07.00131	F+L 1/4" 042 5 PE SAD

GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product
- **F+L** = Filter + Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

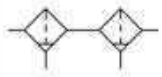
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

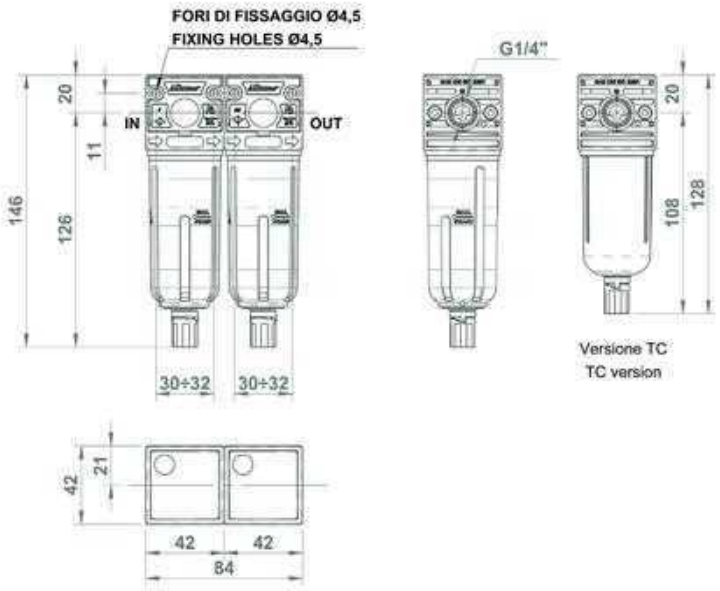
Filtering element
- **5** = 5 micron
- **20** = 20 micron

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

LINE **042 1/4"** | F + MF UNITS





GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.
The job of the Filter is filtering solid particles and condensate separatation. The job of the coalescing Microfilter is to remove oil.
It is equipped with semiautomatic drain as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide available in following configurations:
TT = transparent; PE = outer guard; TC= short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 – 16 Bar mod. SA: 1,5 – 10 Bar mod. SAD: 2 – 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	180 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	TT = 22cc; PE = 22cc; TC = 15cc
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,22 kg

Below 3°C the air of the circuit must be free from humidity

GUIDE TO REFERENCES

F	1/4"	042	5	PE	SS	+
MF	1/4"	042	0,01	TT	SS	

Product
- **F** = Filter + Microfilter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"

Line
- **042**
- **050**
- **052**
- **075**
- **080**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron

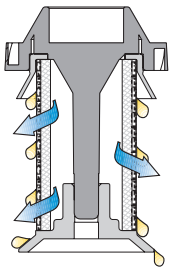
ORDERING CODE

CODE	REF.
042.09.00001	F 1/4" 042 5 TT SS+MF 1/4" 0,01 TT SS
042.09.00003	F 1/4" 042 5 PE SS+MF 1/4" 0,01 PE SS
042.09.00005	F 1/4" 042 5 TC SS+MF 1/4" 0,01 TC SS
Float type automatic drain version.	
042.09.00002	F 1/4" 042 5 TT SS+MF 1/4" 0,01 TT SA
042.09.00004	F 1/4" 042 5 PE SS+MF 1/4" 0,01 PE SA
"Differential" automatic drain version.	
042.09.00008	F 1/4" 042 5 TT SS+MF 1/4" 0,01 TT SAD
042.09.00006	F 1/4" 042 5 PE SS+MF 1/4" 0,01 PE SAD

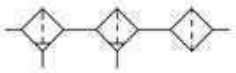
COALESCENT CARTRIDGE

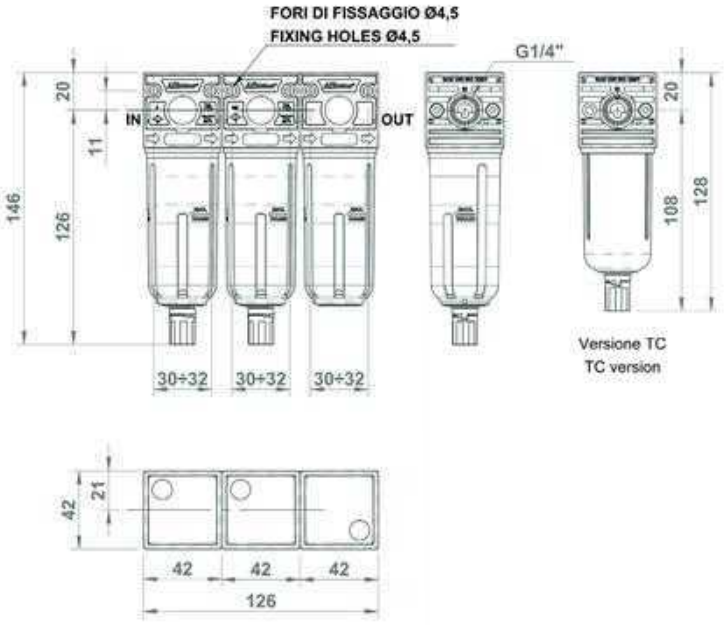
FUNCTIONING

The air with impurity enter into the special high efficiency cartridge, which stops solid particles, captures and joins outside the oil particles (coalescing effect), so that they can easily fall to the bottom of the bowl and be drained outside. In doing so, the filtered air will be free from solid impurities and liquid particles.



LINE **042 1/4"** | F + MF + CF UNITS





GENERAL FEATURES

Filtration set combining Filter with high condensate separation, coalescing Microfilter and activated carbon Filter.
The job of the unit is to filter solid particles and separate condensate with the Filter along with the coalescing function of the Microfilter, besides removing unpleasant smells in the air circuit aimed at the industrial sector by means of the activated carbon.
It is equipped with semiautomatic drain as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide available in following configurations:
TT = transparent; PE = outer guard; TC= short transparent.

GENERAL TECHNICAL DATA

Maximum inlet pressure	16 Bar
Drain working pressure	mod. SS: 0,5 – 16 Bar mod. SA: 1,5 – 10 Bar mod. SAD: 2 – 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Activated carbon cartridge CF	
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	180 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	TT = 22cc; PE = 22cc; TC = 15cc
Max Torque G1/4" IN-OUT	25 Nm
Weight	0,33 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
042.08.00001	F 5 TT SS+MF 0,01 TTSS+CF TT 1/4 042
042.08.00002	F 5 TT SS+MF 0,01 TTSA+CF TT 1/4 042
042.08.00003	F 5 TT SS+MF 0,01 PESS+CF PE 1/4 042
042.08.00004	F 5 TT SS+MF 0,01PESA+CF PE 1/4 042

GUIDE TO REFERENCES

F	**1/4"**	**042**	**5**	**PE**	**SS**	**+**
MF	**1/4"**	**042**	**0,01**	**PE**	**SS**	**+**
CF	**1/4"**	**042**	**CA**	**PE**		

Product
- **F** = Filter + Microfilter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"

Line
- **042**
- **050**
- **052**
- **075**
- **080**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

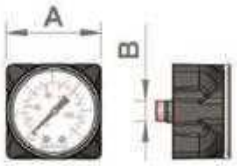
Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

LINE 042 1/4" | ACCESSORIES

GAUGE

CODE	Bar	Psi	A	B	CH.
A38.00.00026	0-12	0-175	40	G1/8"	14
A38.00.00055	0-6	0-85	40	G1/8"	12
A38.00.00114	0-2,5	0-36	40	G1/8"	12

COMPACT GAUGE

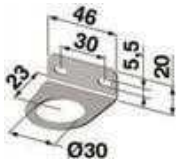


CODE	Bar	Psi	A	B
A42.01.00021	0-12	0-175	40	G1/8"

PLUG G1/8"

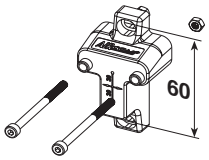
CODE	CONNECTION
B38.00.00018	G1/8"
A42.01.00010	G1/4" (air takeoff)

BRACKET



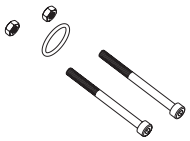
CODE	PRODUCT
C38.00.00069	MR-R-FR

"T" BRACKET KIT



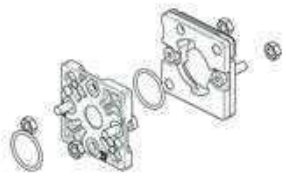
CODE	PRODUCT
C42.05.00001	ALL

KIT ASSEMBLING UNITS



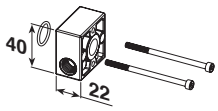
CODE	PRODUCT
C40.06.00001	FR+L
	F+MF+CF

SLIM KIT FOR BATTERY ASSEMBLING



CODE	PRODUCT
C42.06.00007	ALL

AIR TAKE-OFF FOR UNITS

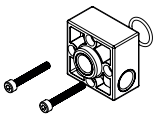


CODE	CONNECTION	PRODUCT
C40.05.00108	1/4"	F+R+L - FR+L
		V3+FR+L - F+L - F+MF
C40.05.00103	2 WAYS (1/4"-1/8")	F+R+L - FR+L
		V3+FR+L - F+L - F+MF

BATTERY AIR TAKE-OFF

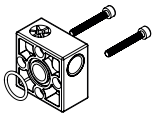
CODE	CONNECTION	PRODUCT
C42.05.00018	1/4 - 1/8	ALL

INLET AIR TAKE-OFF



CODE	CONNECTION	PRODUCT
C42.06.00002	G1/4"- G1/4"	ALL

OUTLET AIR TAKE-OFF



CODE	CONNECTION	PRODUCT
C42.06.00003	G1/4"- G1/4"	ALL

AUTOMATIC DRAIN

CODE	PROD.
C40.02.00130 SA	F - FR - MF
C42.02.00012 SAD	F - FR - MF

MOUNTING KIT FOR AUTOMATIC DRAIN

CODE	PROD.
C40.02.00131	SA - SAD

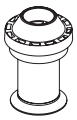
PRESSURE SWITCH

CODE	REF.
A50.06.00005	AP1 - 3-02-03-G

For further information about pressure swicth or air take-off with pressure switch, please see page. 1.138

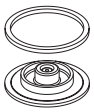
LINE 042 1/4" | SPARE PARTS

FILTERING ELEMENT



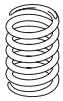
CODE	PRODUCT	VERSION
C40.02.00101	F	20 MICRON
C42.04.00001	FR	20 MICRON
C40.02.00106	F	5 MICRON
C42.04.00005	FR	5 MICRON
C40.02.00053	MF	0,01 MICRON
A42.02.00009	CF	CARBON

DIAPHRAGM KIT



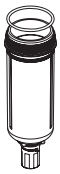
CODE	PRODUCT	VERSION
C39.00.00074	R - FR	RELIEVING
C39.00.00075	R - FR	NON RELIEVING
C39.00.00076	R - FR	FA-RM

REGULATION SPRING



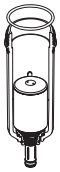
CODE	PRODUCT	RANGE OF PRESSURE
A38.00.00131	F - FR - MF	0-4 Bar
A38.00.00130	F - FR - MF	0-8 Bar
A38.00.00129	F - FR - MF	0-10 Bar
A38.00.00128	F - FR - MF	0-12 Bar

BOWL FOR FILTER



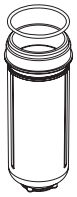
CODE	PRODUCT	VERSION
C40.02.00062	F - FR - MF	TT SS
C40.02.00108	F - FR - MF	PE SS
C40.02.00036	F - FR - MF	TC SS

BOWL WITH AUTOMATIC DRAIN



CODE	PRODUCT	VERSION
C40.02.00133	F - FR - MF	TT SA
C40.02.00134	F - FR - MF	PE SA
C42.02.00017	F - FR - MF	TC SAD
C42.02.00014	F - FR - MF	PE SAD

BOWL FOR LUBRICATOR



CODE	PRODUCT	VERSION
C40.03.00082	L	TT
C40.03.00084	L	PE
C40.03.01016	VL	TT
C40.03.01017	VL	PE
C40.03.00047	L	TC

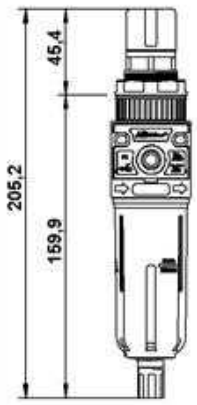
OIL WINDOW

CODE	PRODUCT
C42.03.00005	L

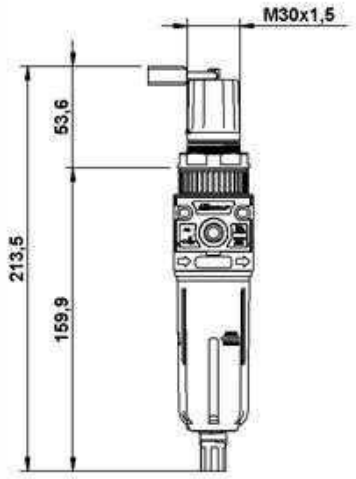
OIL PLUG WITH OR 2031

CODE	PRODUCT
C75.03.00073	L

LINE **042 1/4"** | SPECIAL VERSIONS



Temper proof version



Lockable Version

PRESET FR

* Regulators and Filter regulator Line 042 can be supplied fixed preset at the pressure value required by the customer.
* This version allows purchasing a regulator featuring an outlet pressure preset at a fixed value, equipped with a tamper-proof knob rather than the normal regulation knob.
* The preset pressure value cannot be changed. In order to modify the outlet pressure value, it is necessary to break the tamper-proof knob.
* For further information concerning the tolerances on the outlet pressure, please contact our Sales Dept.

GUIDE TO REFERENCES

FR 1/4" 042 T 10 R PE SS

Product
R = Regulation
FR = Filter Regulator

Special type
1/4" = G1/4"

Line
042

Version
R = Relieving (for air)
A = Non relieving (for water)

Taratura
10 = 10 bar

Special type
T = Pre-set version

LOCKABLE FR

* Regulator and Filter regulator Line 042 are available in the version with lock.
* This regulator version allows adjusting the required pressure and fix it, preventing accidental setting changes.
* The regulator is equipped with padlock and two keys.
* For further technical features, please refer to the respective Line or contact our offices.

GUIDE TO REFERENCES

FR 1/4" 042 08 R PE SS LK

Product
R = Regulation
FR = Filter Regulator

Special type
1/4" = G1/4"

Line
042

Drain
LK = With lock

Version
R = Relieving (for air)
A = Non relieving (for water)

Pressure range
02 = 0-2 Bar
04 = 0-4 Bar
08 = 0-8 Bar
12 = 0-12 Bar

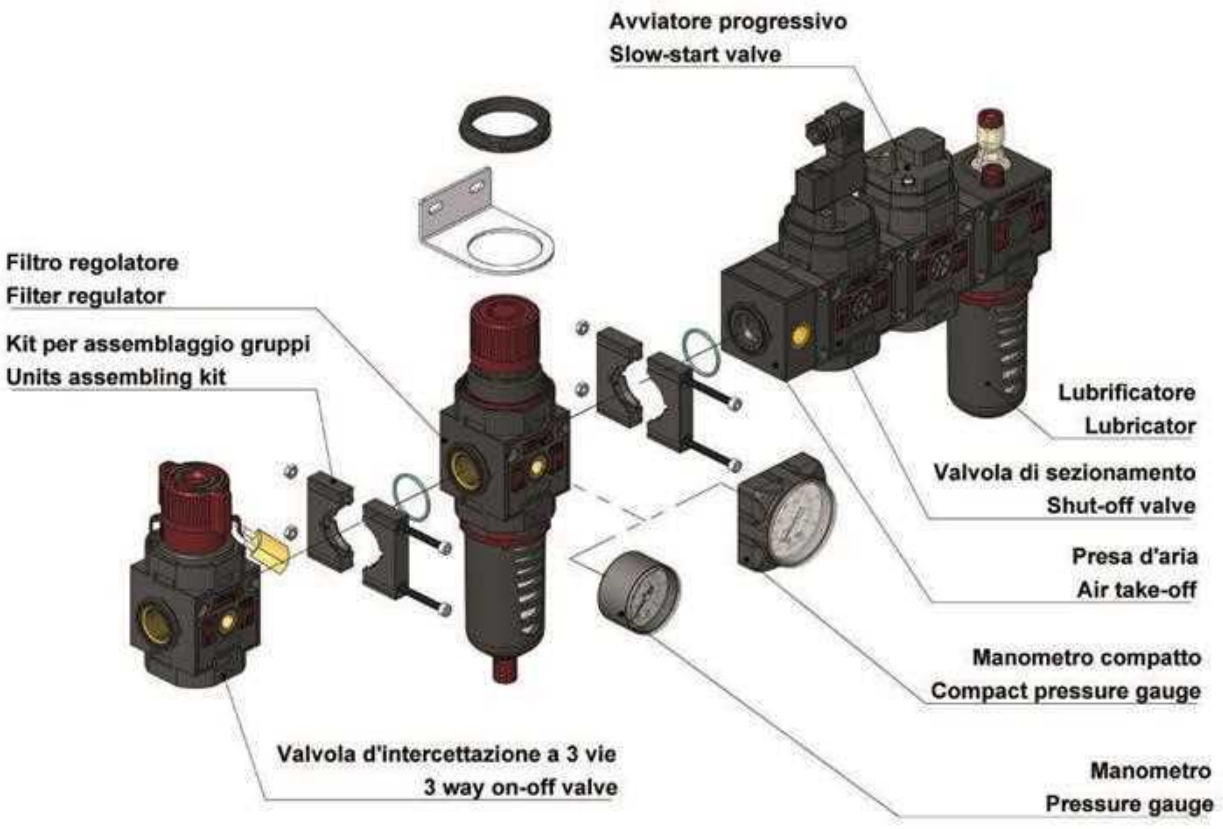
LINE 050-3/8 052-1/2 | MODULAR UNITS

GENERAL FEATURES

Modular units size 50 mm are available with two different connections:
Line 050 - 3/8" and 052 1/2"
This Line consists of traditional units and complementary modules for enabling the configuration of battery sets integrated with several functions.
The complementary modules are:
V3 manual shut-off valve, lockable
SV electric or pneumatic shut-off valve
AVP slow-start valve
MF coalescing microfilter 0,01 micron
CF activated carbon filter
PA additional air inlet: intermediate, inlet; outlet

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C
Connections IN-OUT	G3/8" e G1/2"
Assembling type	Assembling kit
Mounting position	see singol components
Wall fixing	through holes on the body or brackets
Version with lock	standard on V3
Preset tamper-proof version	R and FR upon request



LINE 050-3/8 052-1/2 | MODULAR UNITS

CONDENSATE DRAIN

The condensate building up within the pneumatic systems is oftern causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the ouside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

SEMIAUTOMATIC DRAIN (SS)

Semiautomatic drain is supplied as standard on all Aircomp Lines.
The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.
The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

FLOAT TYPE AUTOMATIC DRAIN (SA)

Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

DIFFERENTIAL AUTOMATIC DRAIN (SAD)

Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 0,2 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

OPEN 1/8 CONNECTION (S18)

The seat with female thread 1/8 , available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:
Visibility: The wide dispaly ensures a better visibility.
Compactness: Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.
Easiness: Simple mounting without tools.Tightness is guaranteed by an O-RIng, no teflon or sealant are required.
Versatility: The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.

LINE 050-3/8 052-1/2 | MODULAR UNITS

BOWL SAFETY RING

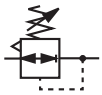
Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling.
All the bowl are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized.
For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:
1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

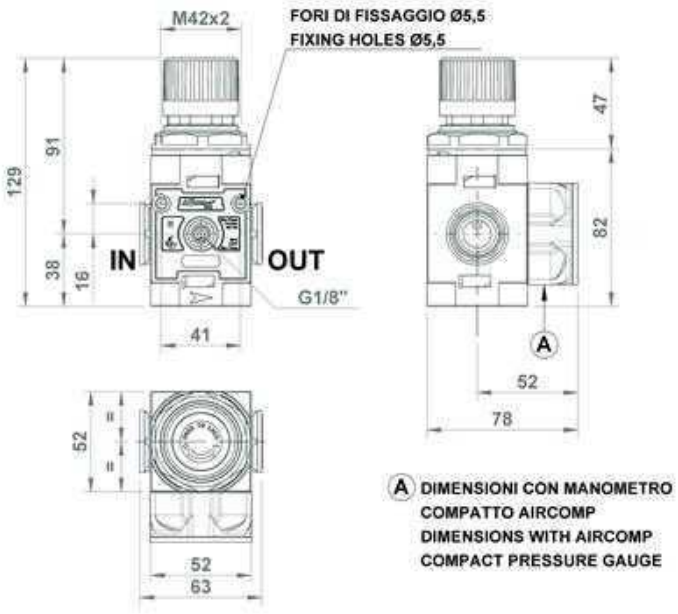
It is not possible to disassemble the bowl when the safety ring is lowered.
Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.

Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

1. The bowl reassembling can be easily executed following these steps:
2. Check that the safety ring is in its coorrect position (on the clamping tooth) as in Pic. 4
3. Fit the bowl into the body seat and lock it turning anticlockwise Pic. 5
4. Make sure that the safety ring is brought back to the correct position Pic. 6

LINE **050 3/8-052 1/2** | MODULAR REGULATORS





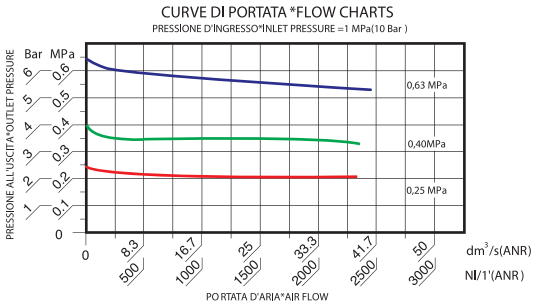
GENERAL FEATURES

Modular regulator with balanced valve which ensures big flow rate and low load loss.
Relieving for a quick exhaust of the downstream overpressure.
Knob with pressure locking device.
Equipped with nut and nr. plug.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	2.100 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Max tourque gauge port	**round:** 10 Nm **compact:** manual
Weight	0,325 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

LINE 050-3/8

CODE	REF.
050.11.00004	R 3/8" 050 04 R
050.11.***	R 3/8" 050 08 R
050.11.00001	R 3/8" 050 12 R

LINE 052-1/2

CODE	REF.
052.11.00004	R 1/2" 052 04 R
052.11.***	R 1/2" 052 08 R
052.11.00001	R 1/2" 052 12 R

GUIDE TO REFERENCES

R 1/4" 042 08 R

Product
R = Regulator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

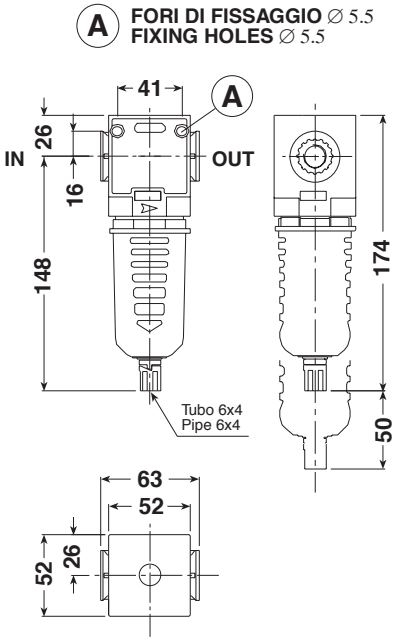
Version
= Standard
B = For battery

Special type
LK = Lockable

WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?
Replace 0 with "M" the the 6th digit of the part nr. for example:

050.11.M0004 R3/8" 050 04R + GAUGE

LINE 050 3/8-052 1/2 | MODULAR FILTERS



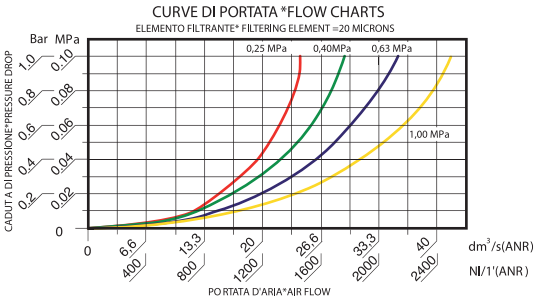
GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.
It can be wall mounted through the holes prearranged on the body.
Equipped with semiautomatic condensate drain as standard (SS).
Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.500 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	42 cc
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,225 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

LINE 050-3/8

CODE	REF.
050.12.00025	F 3/8" 050 20 PE SS
050.12.00028	F 3/8" 050 5 PE SS
Float type automatic drain version.	
050.12.00053	F 3/8" 050 20 PE SA
050.12.00054	F 3/8" 050 5 PE SA
"Differential" automatic drain version.	
050.12.00070	F 3/8" 050 20 PE SAD
050.12.00071	F 3/8" 050 5 PE SAD

LINE 052-1/2

CODE	REF.
052.12.00025	F 1/2" 052 20 PE SS
052.12.00028	F 1/2" 052 5 PE SS
Float type automatic drain version.	
052.12.00053	F 1/2" 052 20 PE SA
052.12.00054	F 1/2" 052 5 PE SA
"Differential" automatic drain version.	
052.12.00061	F 1/2" 052 20 PE SAD
052.12.00062	F 1/2" 052 5 PE SAD

GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

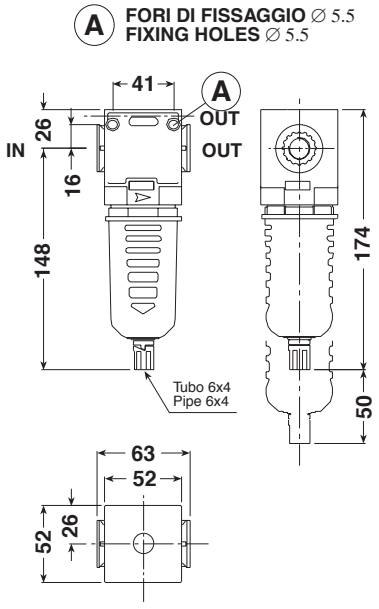
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

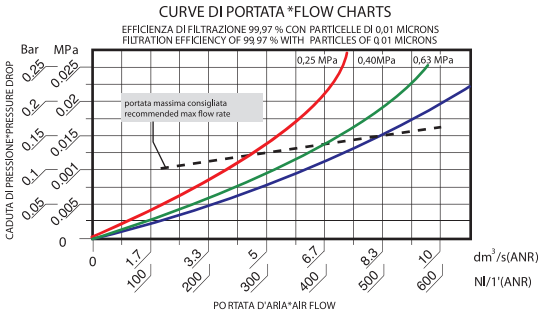
Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

LINE 050 3/8–052 1/2 | COALESCING MICROFILTERS (OIL REMOVER)





GENERAL FEATURES

Modular filter with coalescing cartridge made from glass boro-silicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).
It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.
Application: it is suitable for removing oil remnants in pneumatic circuits.
It can be wall mounted through the holes prearranged on the body.
Equipped with semiautomatic condensate drain as standard (SS).
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Working pressure	0,5 – 12,5 Bar
Filtering degree	0,01 micron
Recommended max flow rate (6,3 bar)	500 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,221 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

LINE 050-3/8

CODE	REF.
050.12.00010	MF 3/8" 050 0,01 PE SS
Float type automatic drain version.	
050.12.00060	MF 3/8" 050 0,01 PE SA
"Differential" automatic drain version.	
050.12.00072	MF 3/8" 050 0,01 PE SAD

LINE 052-1/2

CODE	REF.
052.12.00010	MF 1/2" 052 0,01 PE SS
Float type automatic drain version.	
052.12.00060	MF 1/2" 052 0,01 PE SA
"Differential" automatic drain version.	
052.12.00063	MF 1/2" 052 0,01 PE SAD

GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

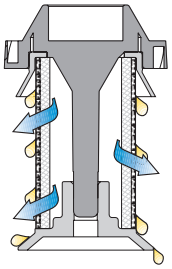
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

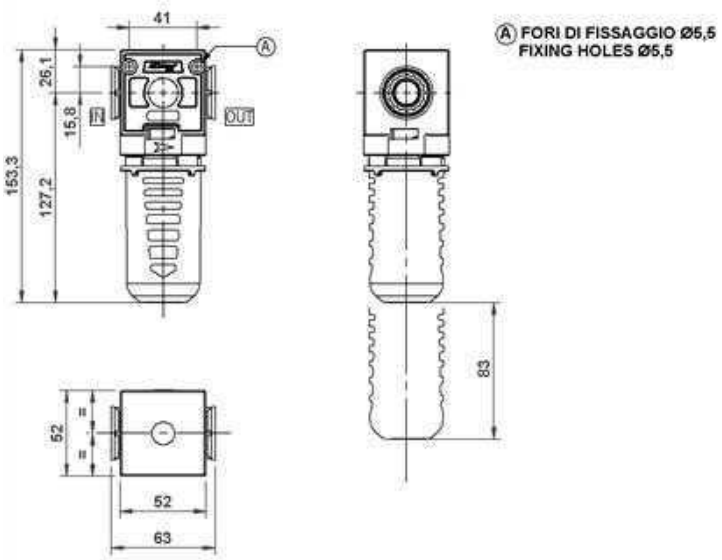
COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



LINE 050 3/8-052 1/2 | CARBON FILTERS



GENERAL FEATURES

Aircomp activated carbon filter exploits the absorbtion properties of activated carbon in order to increase air purity and eliminate unpleasant smell in the air aimed at the industrial sector.
The activated carbon filter, in order to guarantee its performance, needs to be associated with a coalescing filter, that should be preceded by a 5 Micron filter (F+MF+CF).
It can be wall mounted through the holes prearranged on the body.
Closed bowl (without drain) made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

Fluid	compressed air
INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Maximum inlet pressure	12,5 Bar
Filtering cartridge	activated carbon
Life of cartridge	Replacement against pressure drop higher than 0,75 bar. Anyhow, do not exceed 2,000 working hours. Saturation of activated carbon may not cause pressure drop.
Reference flow rate	see the flow chart
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,230 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

LINE 050-3/8

CODE	REF.
050.12.00.300	CF 050 3/8 CA PE

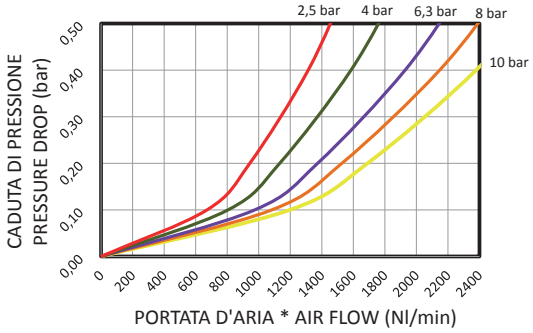
LINE 050-1/2

CODE	REF.
052.12.00.300	CF 052 1/2 CA PE

USED MATERIALS

1. **Body** - PA + BRASS
2. **Carbon filter cartridge**
3. **Bowl** - Toughened PA
4. **O-ring** - NBR
5. **Brass insert**

CURVE DI PORTATA * FLOW CHARTS



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

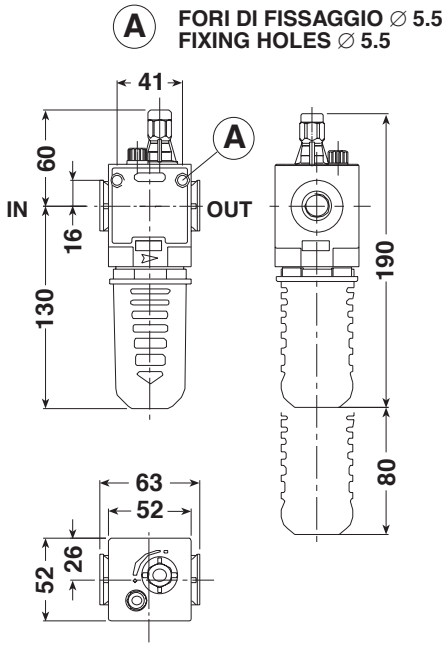
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

LINE 050 3/8-052 1/2 | LUBRICATORS



GENERAL FEATURES

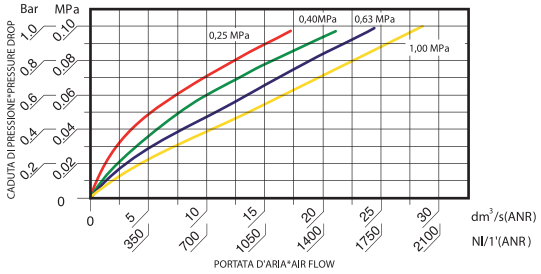
Propotional oil mist lubricator allowing a constant oil delivery over time.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
Oil filling plug.
It can be wall mounted through the holes prearranged on the body.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Maximum inlet pressure	12,5 Bar
Bowl capacity	68 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.060 Nl/min
Working temperature (a 10 bar)	-5 / +50°C C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,230 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE

LINE 050-3/8

CODE	REF.
050.13.00025	L 3/8" 050 PE

LINE 052-1/2

CODE	REF.
052.13.00025	L 1/2" 052 PE

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	**MPa**	**Bar**	**dm³/s (ANR)**	**Nl/1' (ANR)**	**SCFM**
36	0,25	2,50	0,10	6	0.2
58	0,40	4,00	0,13	8	0.3
91	0,63	6,30	0,18	11	0.4

GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

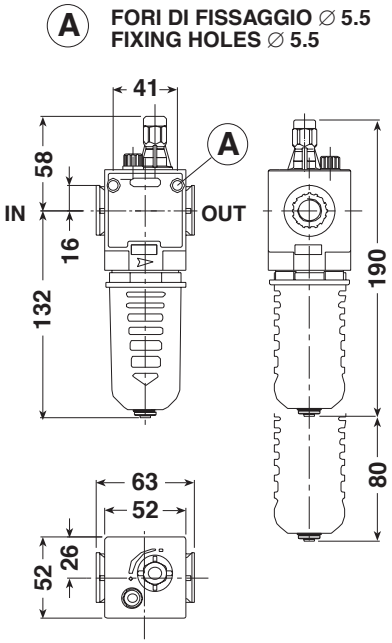
Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
- = Standad
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (line 095 only)

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

LINE 050 3/8-052 1/2 | LUBRICATORS WITH LEVEL INDICATOR



GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
It can be wall mounted through the holes prearranged on the body.
Closed bowl made from hardened polyamide, with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Maximum inlet pressure	7 Bar
Maximum voltage	100 V AC
Electric contact	0,75 A 10W Protection IP 65
Bowl capacity	61 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.700 Nl/min
Working temperature (a 7 bar)	-5 / +50°C
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,260 kg

Below 3°C the air of the circuit must be free from humidity

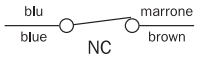
ORDERING CODE
LINE 050-3/8

CODE	REF.
050.13.00036	L 3/8" 050 PE IL

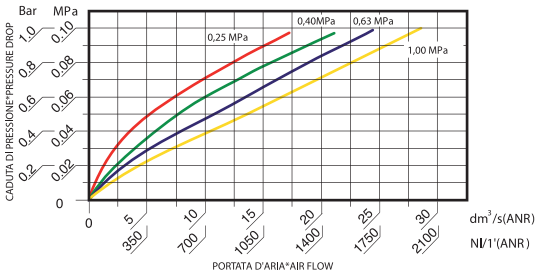
LINE 052-1/2

CODE	REF.
052.13.00036	L 1/2" 052 PE IL

LEVEL INDICATOR



CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

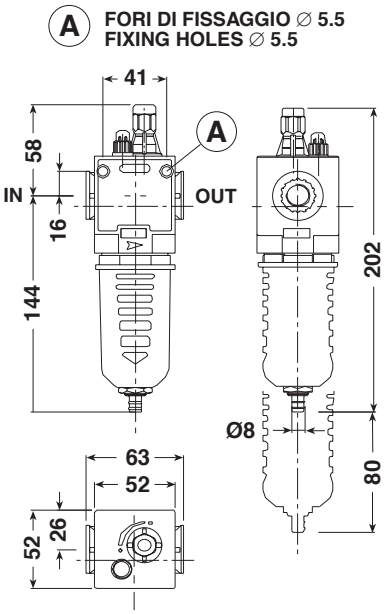
Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
Standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

LINE 050 3/8-052 1/2 | VL VACUUM FILLING LUBRICATORS



GENERAL FEATURES

Propotional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
It can be wall mounted through the holes prearranged on the body.
Closed bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Working pressure	min. 4 Bar – max 12,5 Bar
Bowl capacity	68 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.060 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,270 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

LINE 050-3/8

CODE	REF.
050.13.00500	L 3/8" 050 PE VL

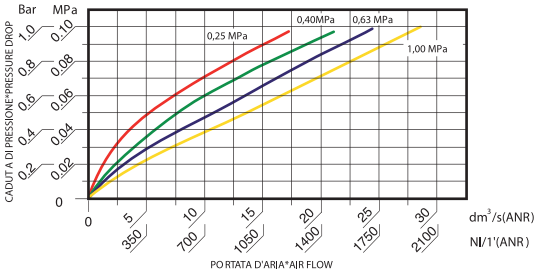
LINE 052-1/2

CODE	REF.
052.13.00500	L 1/2" 052 PE VL

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	**MPa**	**Bar**	**dm³/s (ANR)**	**Nl/1' (ANR)**	**SCFM**
36	0,25	2,50	0,10	6	0.2
58	0,40	4,00	0,13	8	0.3
91	0,63	6,30	0,18	11	0.4

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

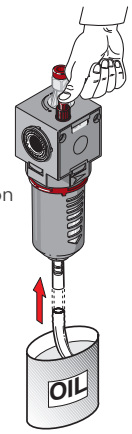
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
- = Standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

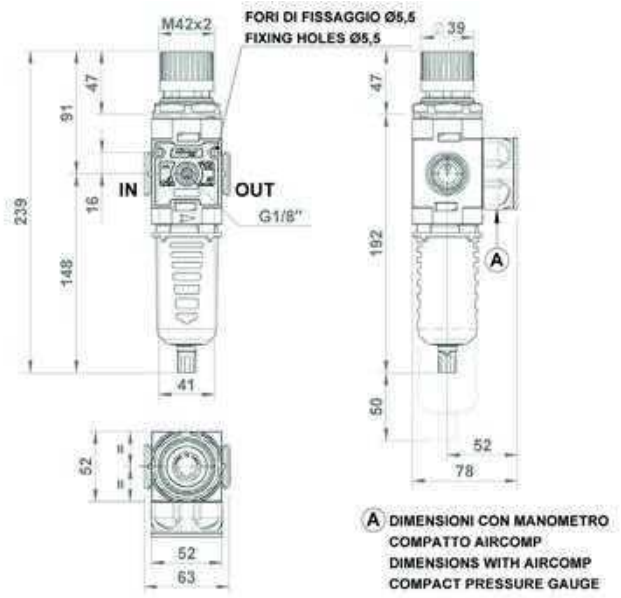
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

FUNCTIONING VL

The oil filling is achieved by pressing and holding the button at the base of the lubricator body.
The "Venturi" system causes a vacuum inside the bowl and the related oil intake.
The oil fillling is stopped only upon releasing the button.
The oil level is visually checked during the filling.
Max. suction height : 1,5 m.



LINE 050 3/8-052 1/2 | FILTER REGULATORS



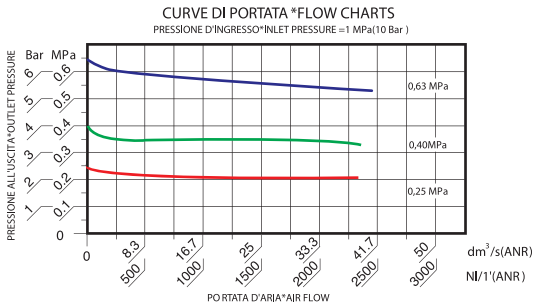
GENERAL FEATURES

High performance modular filter regulator ensuiriung big flow rate and low load loss.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	2.100 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Max tourque gauge port	**round:** 10 Nm **compact:** manual
Bowl capacity	42 cc
Weight	0,410 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE LINE 050-3/8

CODE	REF.
050.14.00025	FR 3/8" 050 20 08 R PE SS
050.14.00001	FR 3/8" 050 20 12 R PE SS
050.14.00038	FR 3/8" 050 5 08 R PE SS
050.14.00039	FR 3/8" 050 5 12 R PE SS
Float type automatic drain version.	
050.14.00057	FR 3/8" 050 20 08 R PE SA
050.14.00060	FR 3/8" 050 5 08 R PE SA
"Differential" automatic drain version.	
050.14.00070	FR 3/8" 050 20 08 R PE SAD
050.14.00072	FR 3/8" 050 5 08 R PE SAD

LINE 052-1/2

CODE	REF.
052.14.00025	FR 1/2" 052 20 08 R PE SS
052.14.00001	FR 1/2" 052 20 12 R PE SS
052.14.00038	FR 1/2" 052 5 08 R PE SS
052.14.00039	FR 1/2" 052 5 12 R PE SS
Float type automatic drain version.	
052.14.00057	FR 1/2" 052 20 08 R PE SA
052.14.00060	FR 1/2" 052 5 08 R PE SA
"Differential" automatic drain version.	
052.14.00063	FR 1/2" 052 20 08 R PE SAD
052.14.00064	FR 1/2" 052 20 12 R PE SAD
052.14.00065	FR 1/2" 052 5 08 R PE SAD
052.14.00066	FR 1/2" 052 5 12 R PE SAD

GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product
- **FR** = Filter regulator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Version
- **R** = Relieving

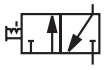
Range of pressure
- **04** = 0 - 4 Bar
- **08** = 0 - 8 Bar
- **12** = 0 - 12 Bar

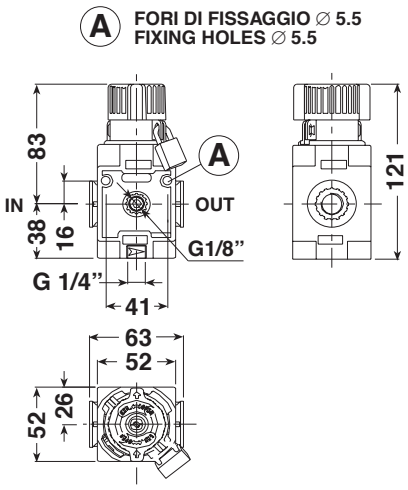
WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

050.14.M0025 FR3/8" 050 20 08R PESS + GAUGE

LINE 050 3/8-052 1/2 | 3 WAY VALVES WITH LOCK





GENERAL FEATURES

The job of this 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized.
The valve is equipped with nr. 1 lock and nr. 2 keys.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Exhaust connection	G1/4"
Maximum inlet pressure	12,5 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.580 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque G1/4" IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,270 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

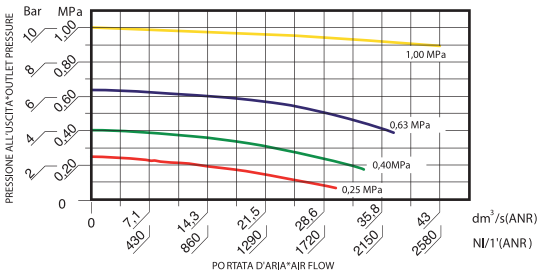
LINE 050 - 3/8

CODE	REF.
050.25.00001	V 3/8" 050 V 3

LINE 052 - 1/2

CODE	REF.
052.25.00001	V 1/2" 052 V 3

CURVE DI PORTATA *FLOW CHARTS

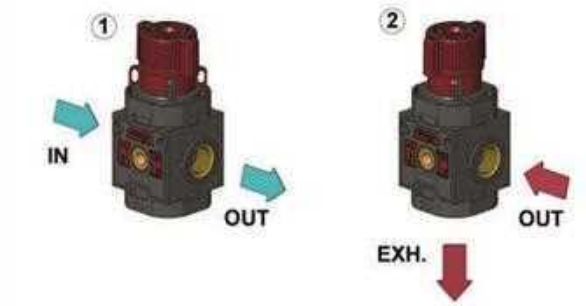


GUIDE TO REFERENCES

V 1/4" 042 3V

Product	Functioning
V = 3 way Valve	**3V** = 3 way

Connection	Line
1/4" = G 1/4"	**042**
3/8" = G 3/8"	**050**
1/2" = G 1/2"	**052**
3/4" = G 3/4"	**075**
	080



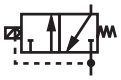
1. with OPEN VALVE

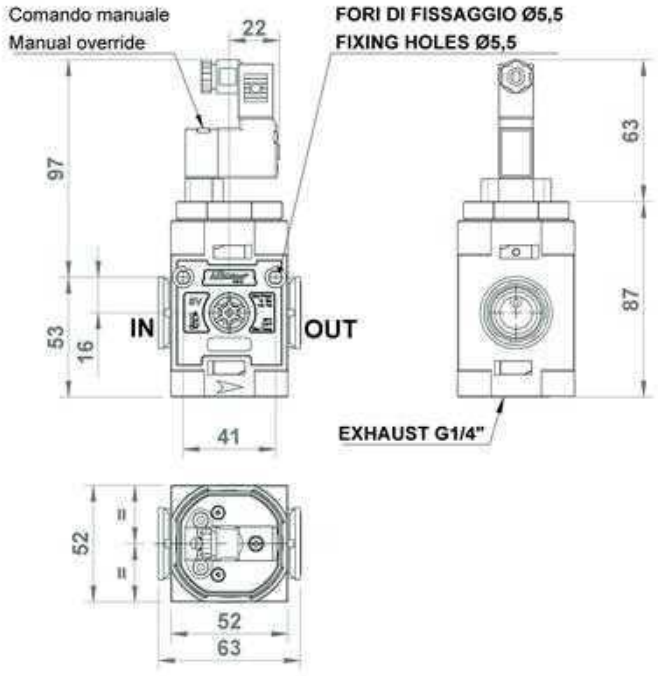
IN and OUT are in communication for an open air flow

2. with CLOSED VALVE

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

LINE 050 3/8-052 1/2 SV | ELECTRICAL SHUT-OFF VALVES 15MM





GENERAL FEATURES

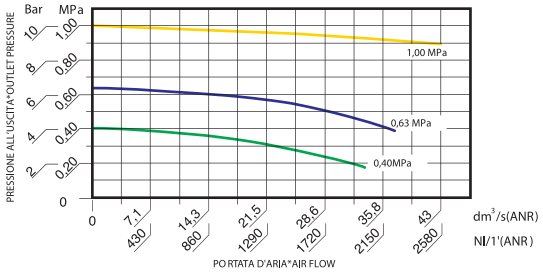
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control consolle.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuit in any emergency situation.

GENERAL TECHNICAL DATA

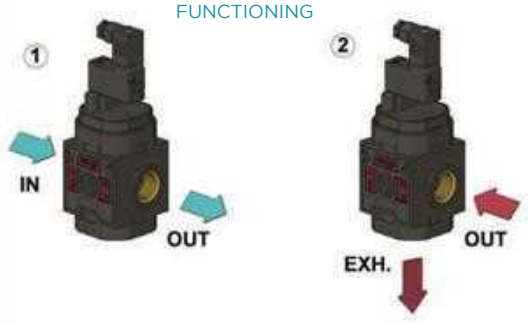
INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Exhaust connection	G1/4"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.580 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Weight	0,30 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



FUNCTIONING



1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

LINE **050 3/8-052 1/2 SV** | ELECTRICAL SHUT-OFF VALVES 15MM

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version
15MM = Solenoid pilot 15 mm
CNOM = Electric controlC-NOMO
PNEU = Pneumatic connection

ORDERING PART NR. COMPLETE UNIT

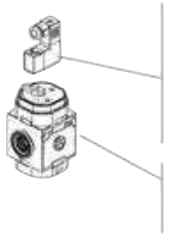
LINE 050 - 3/8

CODE	REF.
050.26.00102	SV 3/8 050 15MM 12V DC
050.26.00202	SV 3/8 050 15MM 24V DC
050.26.00602	SV 3/8 050 15MM 24V AC
050.26.00702	SV 3/8 050 15MM 110V AC
050.26.00802	SV 3/8 050 15MM 220V AC

LINE 052 - 1/2

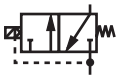
CODE	REF.
052.26.00102	SV 1/2 052 15MM 12V DC
052.26.00202	SV 1/2 052 15MM 24V DC
052.26.00602	SV 1/2 052 15MM 24V AC
052.26.00702	SV 1/2 052 15MM 110V AC
052.26.00802	SV 1/2 052 15MM 220V AC

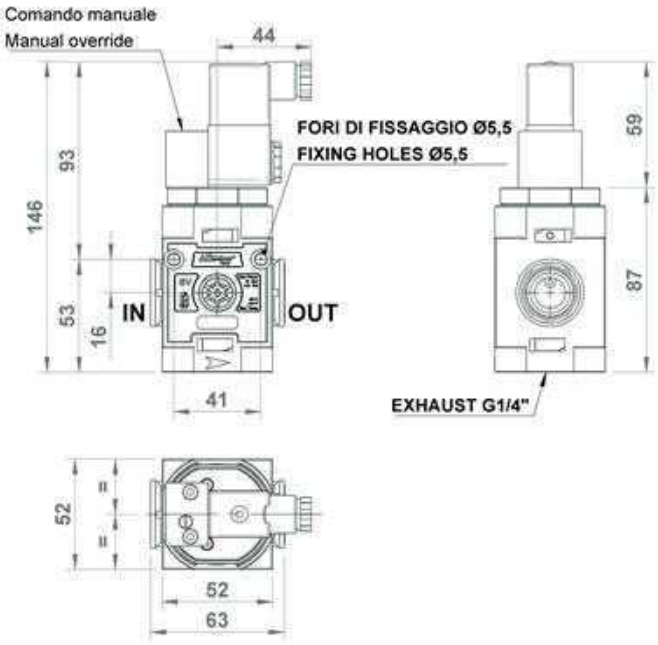
ORDERING PART NR. SEPARATE COMPONENTS



CODE	REF.
C50.26.00002	KIT C. ELECTR. 3/2 NC 2,5W 24V DC MICROSOL
C50.26.00003	KIT C. ELECTR. 3/2 NC 3VA 24V AC MICROSOL
C50.26.00004	KIT C. ELECTR. 3/2 NC 3VA 110V AC MICROSOL
C50.26.00005	KIT C. ELECTR. 3/2 NC 3VA 220V AC MICROSOL
050.26.00002	SV 3/8" 050 PRED. C. ELECTR. MICROSOL/PNEUM
052.26.00002	SV 1/2" 052 PRED. C. ELECTR. MICROSOL/PNEUM

LINE 050 3/8-052 1/2 SV | SHUT-OFF VALVES CNOMO





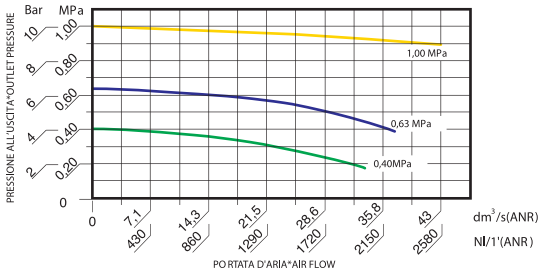
GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The electrical model is often connected to ON-OFF switches or emergency mushrooms present on the control consolle.
Application: it can be used singularly, or more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

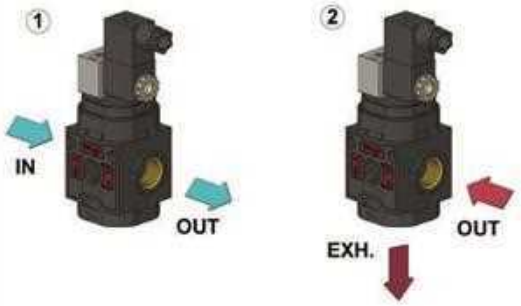
GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Exhaust connection	G1/4"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.580 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.000 Nl/min+
Working temperature (a 10 bar)	-5 / +50°C
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Electric pilot	3/2 NC (tipo CNOMO) for coil 22mm
Available voltage	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
Weight	0,37 kg

CURVE DI PORTATA *FLOW CHARTS



FUNCTIONING



1. with OPEN VALVE

IN and OUT are in communication for an open air flow

2. with CLOSED VALVE

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

LINE **050 3/8-052 1/2 SV** | SHUT-OFF VALVES CNOMO

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version
15MM = Solenoid pilot 15 mm
CNOM = Electric controlC-NOMO
PNEU = Pneumatic

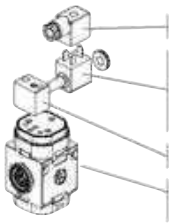
ORDERING PART NR. COMPLETE UNIT
LINE 050 - 3/8

CODE	REF.
050.26.00101	SV 3/8 050 CNOM 12V DC
050.26.00201	SV 3/8 050 CNOM 24V DC
050.26.00601	SV 3/8 050 CNOM 24V AC
050.26.00701	SV 3/8 050 CNOM 110V AC
050.26.00801	SV 3/8 050 CNOM 220V AC

LINE 052 - 1/2

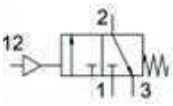
CODE	REF.
052.26.00101	SV 1/2 052 CNOM 12V DC
052.26.00201	SV 1/2 052 CNOM 24V DC
052.26.00601	SV 1/2 052 CNOM 24V AC
052.26.00701	SV 1/2 052 CNOM 110V AC
052.26.00801	SV 1/2 052 CNOM 220V AC

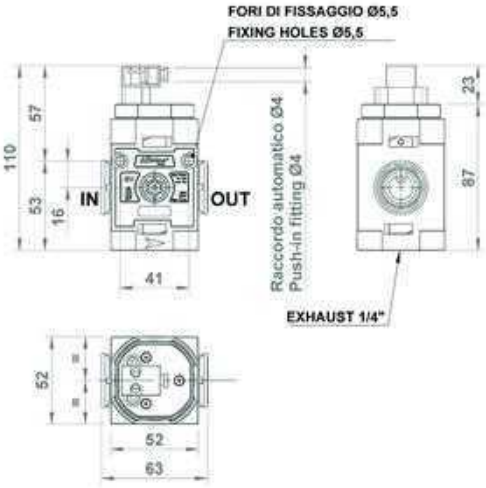
ORDERING PART NR. SEPARATE COMPONENTS
CNOMO CONTROL



CODE	REF.
A50.26.00010	CONN. CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
C50.26.00006	C.ELECTR EV 3/2 NC CNOMO
050.26.00001	SV 3/8" 050 PRED. C. ELECTR. CNOMO
052.26.00001	SV 1/2" 052 PRED. C. ELECTR. CNOMO

LINE 050 3/8-052 1/2 | PNEUMATIC SHUT-OFF VALVES





GENERAL FEATURES

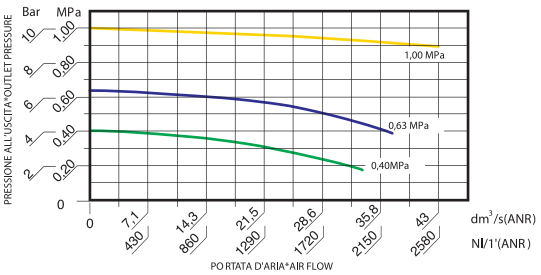
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The pneumatic model is actuated through a pneumatic piloting operated by selectors or by mushroom actuators present on the control consolle.
Application: it can be used singularly or, more commnly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Exhaust connection	G1/4"
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.580 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Pneumatic connection	push-in fitting D. 4mm
Weight	0,280 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version
15MM = Solenoid pilot 15 mm
CNOM = Electric controlC-NOMO
PNEU = Pneumatic

ORDERING PART NR. COMPLETE UNIT

LINE 050 - 3/8

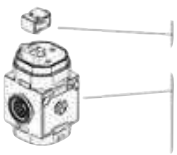
CODE	REF.
050.26.00902	SV 3/8 050 PNEUMATIC

LINE 052 - 1/2

CODE	REF.
052.26.00902	SV 1/2 052 PNEUMATIC

ORDERING PART NR. SEPARATE COMPONENTS

PNEUMATIC CONTROL



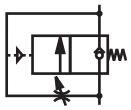
CODE	REF.
C40.26.00014	PNEUMATIC CONTROL KIT
050.26.00002	SV 3/8" 050 PRED. C. ELECTR. MICROSOL/PNEUM
052.26.00002	SV 1/2" 052 PRED. C. ELECTR. MICROSOL/PNEUM

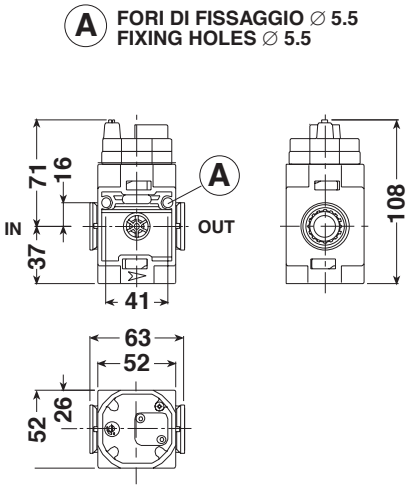
FUNCTIONING

1. with piloting under pressure, the SV is open (IN-OUT communication)

2, with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)

LINE **050 3/8-052 1/2** | SLOW-START VALVES





GENERAL FEATURES

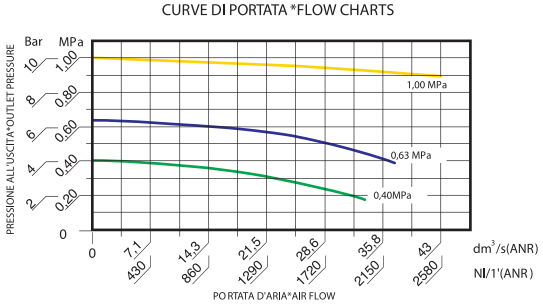
The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on.
The gradual pressurization takes place until about 60% of the supply pressure is reached.
The pressurization time can be adjusted through the speed controller positioned in the upper part of the body.
Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Working pressure	min. 3 Bar - max 10 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2.580 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,270 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE

LINE 050-3/8

CODE	REF.
050.27.00001	AVP 3/8" 050 PN Autonom.

LINE 052-1/2

CODE	REF.
052.27.00001	AVP 1/2" 052 PN Autonom.

GUIDE TO REFERENCES

AVP 1/4" 042 PN

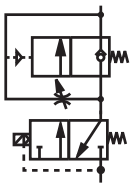
Product
AVP = Slow-start valve

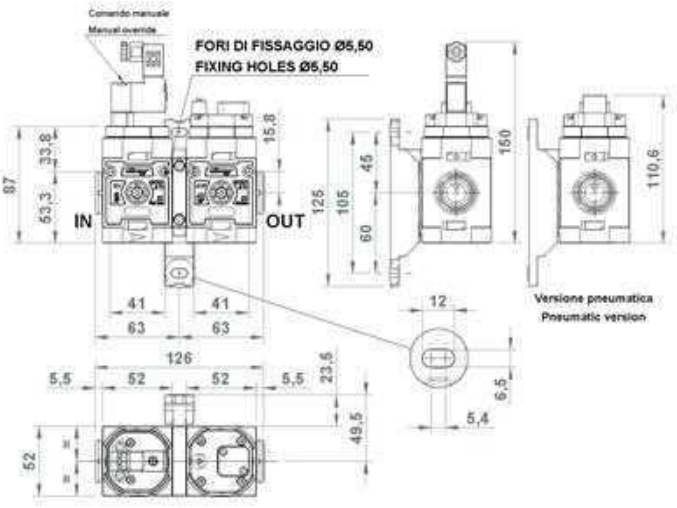
Functioning
PN = Pneumatic

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

LINE 050 3/8–052 1/2 | SHUT-OFF / SLOW START COMBINATIONS





GENERAL FEATURES

SVAV is a set consisting of shut-off valve (SV) and slow-start valve (AVP), assembled and equipped with electric or pneumatic control.
This complete unit, combines the functions of exhausting the pneumatic circuit and cutting-off air supply (SV) with the progressiva pressurization provided by the slow-start valve (AVP).
The valves are available with electric control in different voltages or with pneumatic control.
The proposed set is ready to be subsequently assembled with other Aircomp modules, or singularly mounted.
For further information about SV and AVP, please refer to the respective datasheets.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Exhaust connection	G1/4"
Maximum inlet pressure	10 Bar
Working pressure	min. 3 Bar – max. 10 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	1.570 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Pneumatic piloting	push-in fitting D. 4mm
SVAV E Weight	0,67 kg
SVAV P Weight	0,64 kg

Below 3°C the air of the circuit must be free from humidity

GUIDE TO REFERENCES

SVAV 3/8" 050 E 24VDC

Product
SVAV = SV+AVP

Connection
3/8" = G3/8"
1/2" = G1/2"

Line
050
052

Special type
24VDC
24VAC
110VAC
220VAC

Version
E = Electric
P = Pneumatic

ORDERING PART NR.ELECTRIC VERSION 050

CODE	REF.
050.28.00001	SVAV 3/8 050 E 24V DC
050.28.00002	SVAV 3/8 050 E 24V AC
050.28.00003	SVAV 3/8 050 E 110V AC
050.28.00004	SVAV 3/8 050 E 220V AC

ORDERING PART NR.ELECTRIC VERSION 052

CODE	REF.
052.28.00001	SVAV 1/2 052 E 24V DC
052.28.00002	SVAV 1/2 052 E 24V AC
052.28.00003	SVAV 1/2 052 E 110V AC
052.28.00004	SVAV 1/2 052 E 220V AC

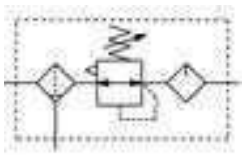
ORDERING PART NR. PNEUMATIC VERSION 050

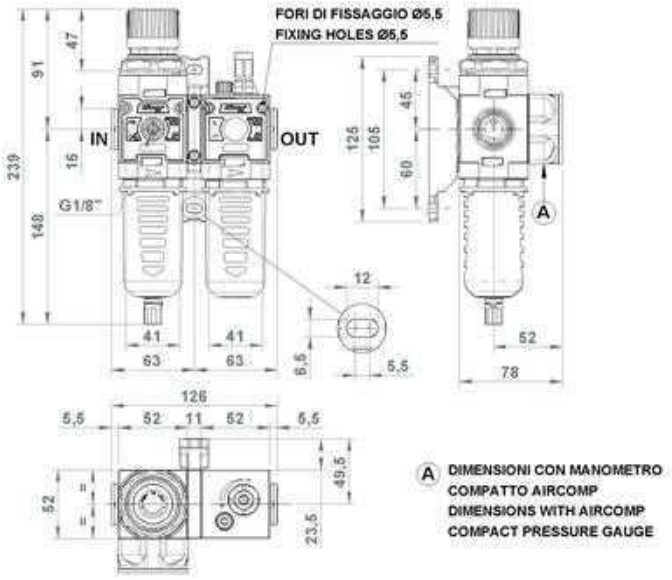
CODE	REF.
050.28.00005	SVAV 3/8 050 P Ø4

ORDERING PART NR. PNEUMATIC VERSION 052

CODE	REF.
052.28.00005	SVAV 1/2 052 P Ø4

LINE **050 3/8-052 1/2** | FR + L UNITS





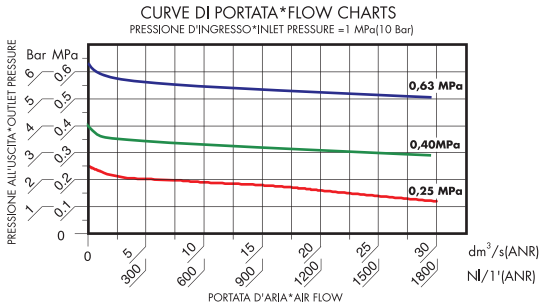
GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.500 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Max tourque gauge port	**round:** 10 Nm **compact:** manual
Weight	0,70 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE
LINE 050-3/8

CODE	REF.
050.16.00025	FR+L 3/8" 050 20 08 R PE SS
050.16.00001	FR+L 3/8" 050 20 12 R PE SS
050.16.00036	FR+L 3/8" 050 5 08 R PE SS
050.16.00037	FR+L 3/8" 050 5 12 R PE SS
050.16.00501	FR+L 3/8" 050 20 08 R PE SS VL
Float type automatic drain version.	
050.16.00057	FR+L 3/8" 050 20 08 R PE SA
050.16.00059	FR+L 3/8" 050 20 12 R PE SA
"Differential" automatic drain version.	
050.16.00083	FR+L 3/8" 050 20 08 R PE SAD
050.16.00084	FR+L 3/8" 050 20 12 R PE SAD

LINE 052-1/2

CODE	REF.
052.16.00025	FR+L 1/2" 052 20 08 R PE SS
052.16.00001	FR+L 1/2" 052 20 12 R PE SS
052.16.00036	FR+L 1/2" 052 5 08 R PE SS
052.16.00037	FR+L 1/2" 052 5 12 R PE SS
052.16.00501	FR+L 1/2" 052 20 08 R PE SS VL
Float type automatic drain version.	
052.16.00057	FR+L 1/2" 052 20 08 R PE SA
052.16.00059	FR+L 1/2" 052 20 12 R PE SA
"Differential" automatic drain version.	
052.16.00063	FR+L 1/2" 052 20 08 R PE SAD
052.16.00064	FR+L 1/2" 052 20 12 R PE SAD

GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

Product
- **FR+L** = Filter regulator + Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Version
- **R** = Relieving

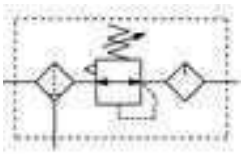
Range of pressure
- **04** = 0 - 4 Bar
- **08** = 0 - 8 Bar
- **12** = 0 - 12 Bar

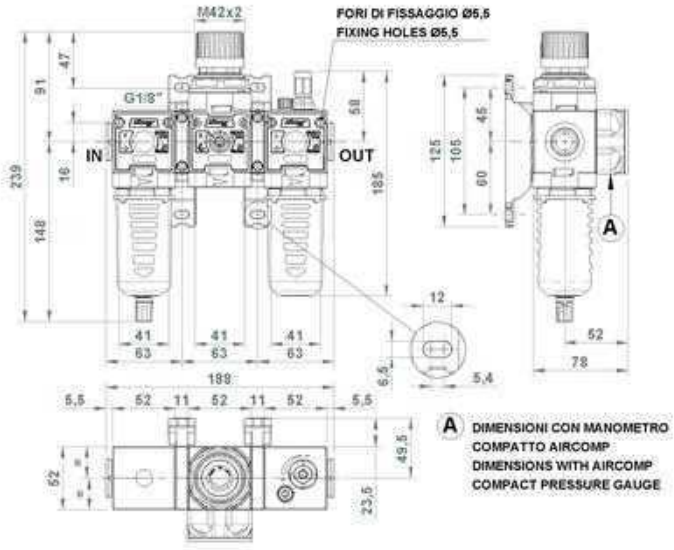
WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

050.16.M0025 FR+L3/8" 050 20 08R PESS + GAUGE

LINE **050 3/8-052 1/2** | F + R + L UNITS





GENERAL FEATURES

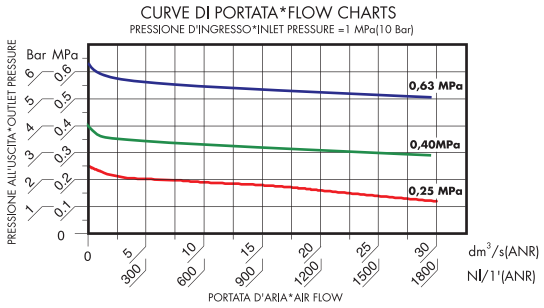
Unit consisting of Filter + Regualtor + Lubricator.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.500 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Max tourque gauge port	**round:** 10 Nm **compact:** manual
Weight	0,7760 kg

Below 3°C the air of the circuit must be free from humidity

* For further information, please see the datasheets of each unit.



ORDERING CODE
LINE 050-3/8

CODE	REF.
050.15.00025	F+R+L 3/8" 050 20 08 R PE SS
050.15.00033	F+R+L 3/8" 050 20 12 R PE SS
050.15.00035	F+R+L 3/8" 050 5 08 R PE SS
050.15.00501	F+R+L 3/8" 050 20 08 R PE SS VL
Float type automatic drain version.	
050.15.00057	F+R+L 3/8" 050 20 08 R PE SA
050.15.00062	F+R+L 3/8" 050 20 12 R PE SA
"Differential" automatic drain version.	
050.15.00040	F+R+L 3/8" 050 20 08 R PE SAD
050.15.00041	F+R+L 3/8" 050 20 12 R PE SAD

LINE 052-1/2

CODE	REF.
052.15.00025	F+R+L 1/2" 052 20 08 R PE SS
052.15.00035	F+R+L 1/2" 052 5 08 R PE SS
052.15.00501	F+R+L 1/2" 052 20 08 R PE SS VL
Float type automatic drain version.	
052.15.00057	F+R+L 1/2" 052 20 08 R PE SA
052.15.00062	F+R+L 1/2" 052 20 12 R PE SA
"Differential" automatic drain version.	
052.15.00037	F+R+L 1/2" 052 20 08 R PE SAD
052.15.00038	F+R+L 1/2" 052 20 12 R PE SAD

GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

Product
- **F+R+L** = Filter regulator + Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron

Range of pressure
- **04** = 0 - 4 Bar
- **08** = 0 - 8 Bar
- **12** = 0 - 12 Bar

Version
- **R** = Relieving

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

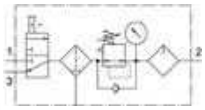
Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

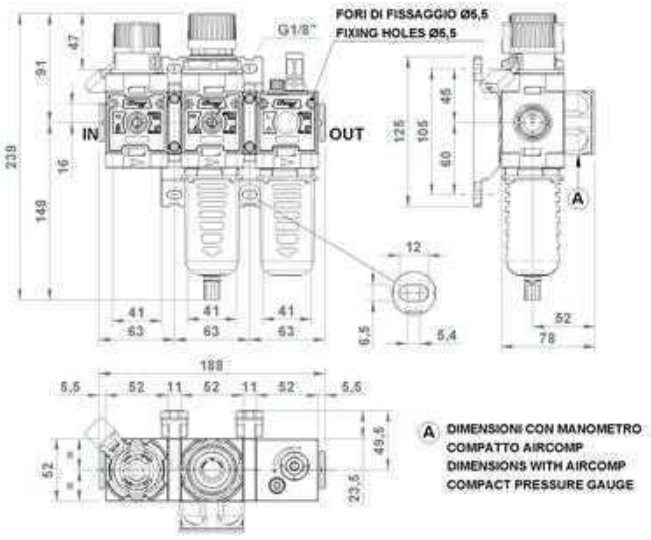
WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

050.15.M0025 F+R+L3/8" 050 20 08R PRESS + GAUGE

LINE **050 3/8-052 1/2** | V3+FR+L UNITS





GENERAL FEATURES

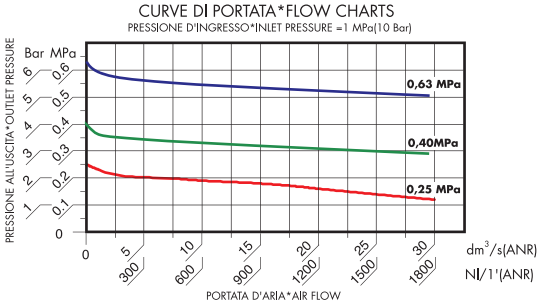
Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).
It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.
Lockable V3 valve for greater safety during maintenance operations.
It is equipped with semiautomatic drain as standard (SS).

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	1.500 Nl/min
Working temperature (a 10 bar)	-5 / +50°C (aria secca?)
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Max tourque gauge port	10 Nm
Weight	0,98 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA*FLOW CHARTS



ORDERING CODE

CODE	REF.
050.36.00025	V3+FR+L 3/8" 050 20 08 R PE SS
050.36.00001	V3+FR+L 3/8" 050 20 12 R PE SS
050.36.00036	V3+FR+L 3/8" 050 5 08 R PE SS
050.36.00501	V3+FR+L 3/8" 050 20 08 R PE SS VL
Float type automatic drain version.	
050.36.00057	V3+FR+L 3/8" 050 20 08 R PE SA
050.36.00059	V3+FR+L 3/8" 050 20 12 R PE SA
"Differential" automatic drain version.	
050.36.00063	V3+FR+L 3/8" 050 20 08 R PE SAD
050.36.00064	V3+FR+L 3/8" 050 20 12 R PE SAD

CODE	REF.
052.36.00025	V3+FR+L 1/2" 052 20 08 R PE SS
052.36.00001	V3+FR+L 1/2" 052 20 12 R PE SS
052.36.00036	V3+FR+L 1/2" 052 5 08 R PE SS
052.36.00501	V3+FR+L 1/2" 052 20 08 R PE SS VL
Float type automatic drain version.	
052.36.00057	V3+FR+L 1/2" 052 20 08 R PE SA
"Differential" automatic drain version.	
052.36.00063	V3+FR+L 1/2" 052 20 08 R PE SAD

GUIDE TO REFERENCES

V3+FR+L 1/4" 042 20 08 R PE SS

Product
V3+FR+L = V3 + Filter regulator + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

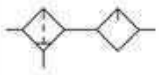
Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

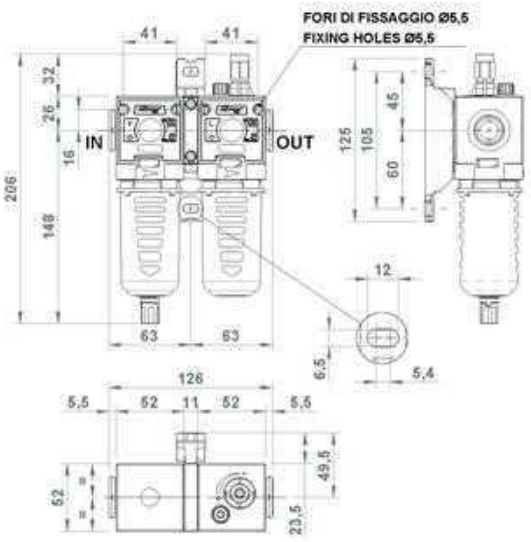
Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?
Replace 0 with "M" the the 6th digit of the part nr. for example:

050.36.M0025 V3+FR+L 3/8" 050 20 08 R PE SS + GAUGE

LINE **050 3/8-052 1/2** | F + L UNITS





GENERAL FEATURES

Unit consisting of Filter and Lubricator.
It combines the functions of filtration and lubrication of compressed air for industrial applications.
Proportional oil mist lubricator ensuring a constant oil delivery over time.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	2060 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	42 cc F; 61 cc L
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Recommended oil viscosity	ISO VG32
Weight	0,49 kg

Below 3°C the air of the circuit must be free from humidity

GUIDE TO REFERENCES

F + L **1/4”** **042** **20** **PE** **SS**

Product
F+L = Filter + Lubricator

Connection
1/4” = G 1/4”
3/8” = G 3/8”
1/2” = G 1/2”
3/4” = G 3/4”
1” = G 1”

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

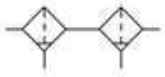
ORDERING CODE
LINE 050-3/8

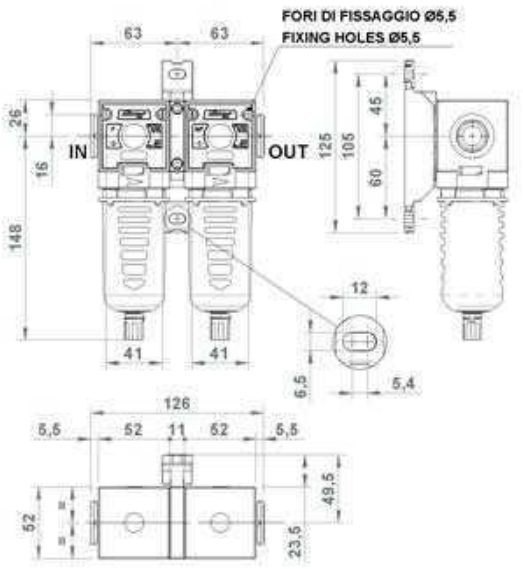
CODE	REF.
050.17.00025	F+L 3/8” 050 20 PE SS
050.17.00029	F+L 3/8” 050 5 PE SS
Float type automatic drain version.	
050.17.00053	F+L 3/8” 050 20 PE SA
050.17.00054	F+L 3/8” 050 5 PE SA
"Differential" automatic drain version.	
050.17.00030	F+L 3/8” 050 20 PE SAD
050.17.00031	F+L 3/8” 050 5 PE SAD

LINE 052-1/2

CODE	REF.
052.17.00025	F+L 1/2” 052 20 PE SS
052.17.00029	F+L 1/2” 052 5 PE SS
052.17.00501	F+L 1/2” 052 20 PE SS VL
Float type automatic drain version.	
052.17.00053	F+L 1/2” 052 20 PE SA
052.17.00054	F+L 1/2” 052 5 PE SA
052.17.00511	F+L 1/2” 052 20 PE SA VL
"Differential" automatic drain version.	
052.17.00055	F+L 1/2” 052 20 PE SAD
052.17.00056	F+L 1/2” 052 5 PE SAD

LINE **050 3/8-052 1/2** | F + MF UNITS





GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.
The job of the Filter is filtering solid particles and condensate separatation. The job of the coalescing Microfilter is to remove oil.
It is equipped with semiautomatic drain as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide available in following configurations:
TT = transparent; PE = outer guard; TC= short transparent.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	500 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,47 kg

Below 3°C the air of the circuit must be free from humidity

GUIDE TO REFERENCES

F	1/4"	042	5	PE	SS	+
MF	1/4"	042	0,01	TT	SS	

Product
- **F** = Filter + Microfilter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"

Line
- **042**
- **050**
- **052**
- **075**
- **080**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron

ORDERING CODE

Line 050-3/8

CODE	REF.
050.19.00001	F 3/8" 050 5 PE SS+MF 3/8" 050 0,01 PE SS
Float type automatic drain version.	
050.19.00002	F 3/8" 050 5 PE SS+MF 3/8" 050 0,01 PE SA
"Differential" automatic drain version.	
050.19.00004	F 3/8" 050 5 PE SS+MF 3/8" 050 0,01 PE SAD

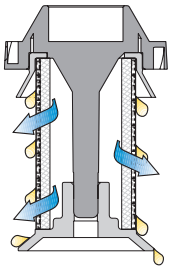
Line 052-1/2

CODE	REF.
052.19.00001	F 1/2" 052 5 PE SS+MF 1/2" 052 0,01 PE SS
Float type automatic drain version.	
052.19.00002	F 1/2" 052 5 PE SS+MF 1/2" 052 0,01 PE SA
"Differential" automatic drain version.	
052.19.00004	F 1/2" 052 5 PE SS+MF 1/2" 052 0,01 PE SAD

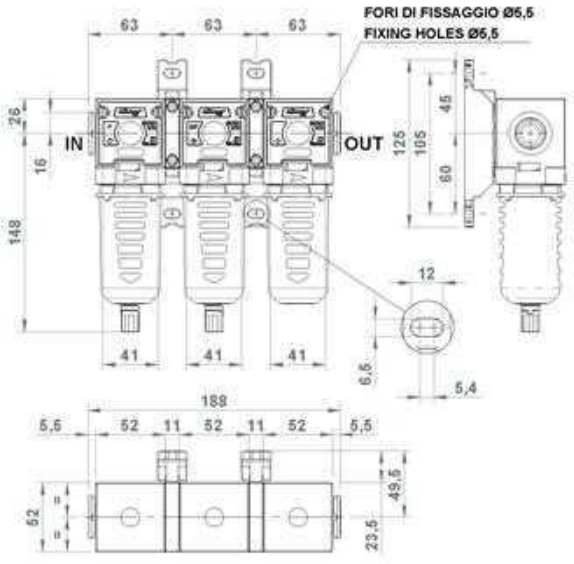
COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



LINE 050 3/8-052 1/2 | F + MF + CF UNITS



GENERAL FEATURES

Filtration set combining Filter with high condensate separation, coalescing Microfilter and activated carbon Filter.
The job of the unit is to filter solid particles and separate condensate with the Filter along with the coalescing function of the Microfilter, besides removing unpleasant smells in the air circuit aimed at the industrial sector by means of the activated carbon.
It is equipped with semiautomatic drain as standard (SS) on F and MF.
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	Line 050 3/8" – Line 052 1/2"
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree Filter	5 micron
Filtering degree Micro-filter	0,01 micron
Activated carbon cartridge CF	
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	500 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/8" 60 Nm - 1/2" 80 Nm
Weight	0,74 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

LINE 050-38

CODE	REF.
050.18.00001	F 5 PE SS+MF 0,01 PE SS+CF PE 3/8 050
050.18.00008	F 5 PE SS+MF 0,01 PE SA+CF PE 3/8 050

LINE 052-1/2

CODE	REF.
052.18.00001	F 5 PE SS+MF 0,01 PE SS+CF PE 1/2 052
052.18.00002	F 5 PE SS+MF 0,01 PE SA+CF PE 1/2 052

GUIDE TO REFERENCES

F	**1/4"**	**042**	**5**	**PE**	**SS +**
MF	**1/4"**	**042**	**0,01**	**PE**	**SS +**
CF	**1/4"**	**042**	**CA**	**PE**	

Product
- **F** = Filter + Microfilter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"

Line
- **042**
- **050**
- **052**
- **075**
- **080**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

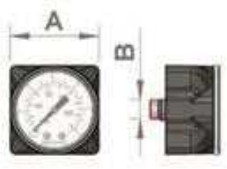
Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

LINE **050 3/8-052 1/2** | ACCESSORIES

GAUGE

CODE	Bar	Psi	A	B	CH.
A38.00.00026	0-12	0-175	40	G1/8"	14
A38.00.00055	0-6	0-85	40	G1/8"	12
A38.00.00114	0-2,5	0-36	40	G1/8"	12

COMPACT GAUGE



CODE	Bar	Psi	A	B
A75.01.00045	0-12	0-175	50	G1/8"

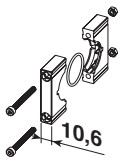
BRACKET

CODE
C75.01.00018

"T" BRACKET KIT LINE 050 – 052

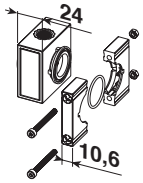
CODE
C50.06.00006

KIT ASSEMBLING UNITS



CODE	PROD.
C50.05.00001	F+R+L
C50.06.00001	FR+L - F+L

AIR TAKEOFF



CODE	CONNECTION	PROD.
Air take-off		
C50.05.00003	1/4"	F+R+L - FR+L - F+L
Inlet air take-off		
C50.06.00002	1/4"- 3/8"	tutti / all
Outlet air take-off		
C50.06.00003	1/4"- 3/8"	tutti / all

PLUG G1/8"

CODE	PRODUCT
B38.00.00018	G1/8"
A42.01.00010	G1/4" (air takeoff)

LINE 050 3/8-052 1/2 | ACCESSORIES

PRESSURE SWITCH

CODE	REF.
A50.06.00005	AP1 - 3-02-03-G

For further information about the pressure switch, please see relevent datasheet.

INTERMEDIATE AIR TAKE-OFF WITH PRESSURE SWITCH LINE 050-052

CODE	REF.
C50.05.00006	PA 050 INTERMEDIATE + AP1

TERMINAL AIR TAKE-OFF WITH PRESSURE SWITCH LINE 050-052 - 3/8

CODE	REF.
C50.05.00007	PA INLET 050 3/8 + AP1 (INLET)
C50.05.00008	PA OUTLET 050 3/8 + AP1 (OUTLET)

AUTOMATIC DRAIN

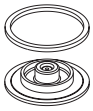
CODE	PRODUCT
C40.02.00130 SA	F - FR - MF
C42.02.00012 SAD	F - FR - MF

MOUNTING KIT FOR AUTOMATIC DRAIN

CODE	PRODUCT
C40.02.00131	SA - SAD

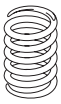
LINE **050 3/8-052 1/2** | SPARE PARTS

DIAPHRAGM KIT



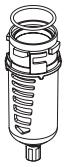
CODE	PROD.	VERSION
C50.01.00021	R - FR	RELIEVING

REGULATION SPRING



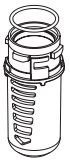
CODE	PROD	SET REGULATION
A50.01.00006	MR - R - FR	0-4 Bar
A50.01.00007	MR - R - FR	0-8 Bar
A50.01.00008	MR - R - FR	0-12 Bar

BOWL FOR FILTER



CODE	PROD.	VERSION
C50.02.00002	F - FR - MF	PE SS
C50.02.00038	F - FR - MF	PE SA
C50.02.00062	F - FR - MF	PE SAD

BOWL FOR LUBRICATOR



CODE	PROD.	VERSION
C50.03.00001	L	PE
C50.13.01000	VL	PE
C50.03.00038	IL	PE

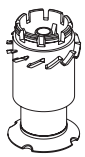
OIL WINDOW

CODE	PROD.
C42.03.00005	L

OIL PLUG WITH OR 2031

CODE	PROD.
C75.03.00073	L

FILTERING ELEMENT



CODE	PROD.	VERSION
C50.02.00005	F	20 MICRON
C50.02.00018	FR	20 MICRON
C50.02.00006	F	5 MICRON
C50.02.00019	FR	5 MICRON
C50.02.00007	MF	0,01 MICRON
A50.02.00009	CF	CARBON

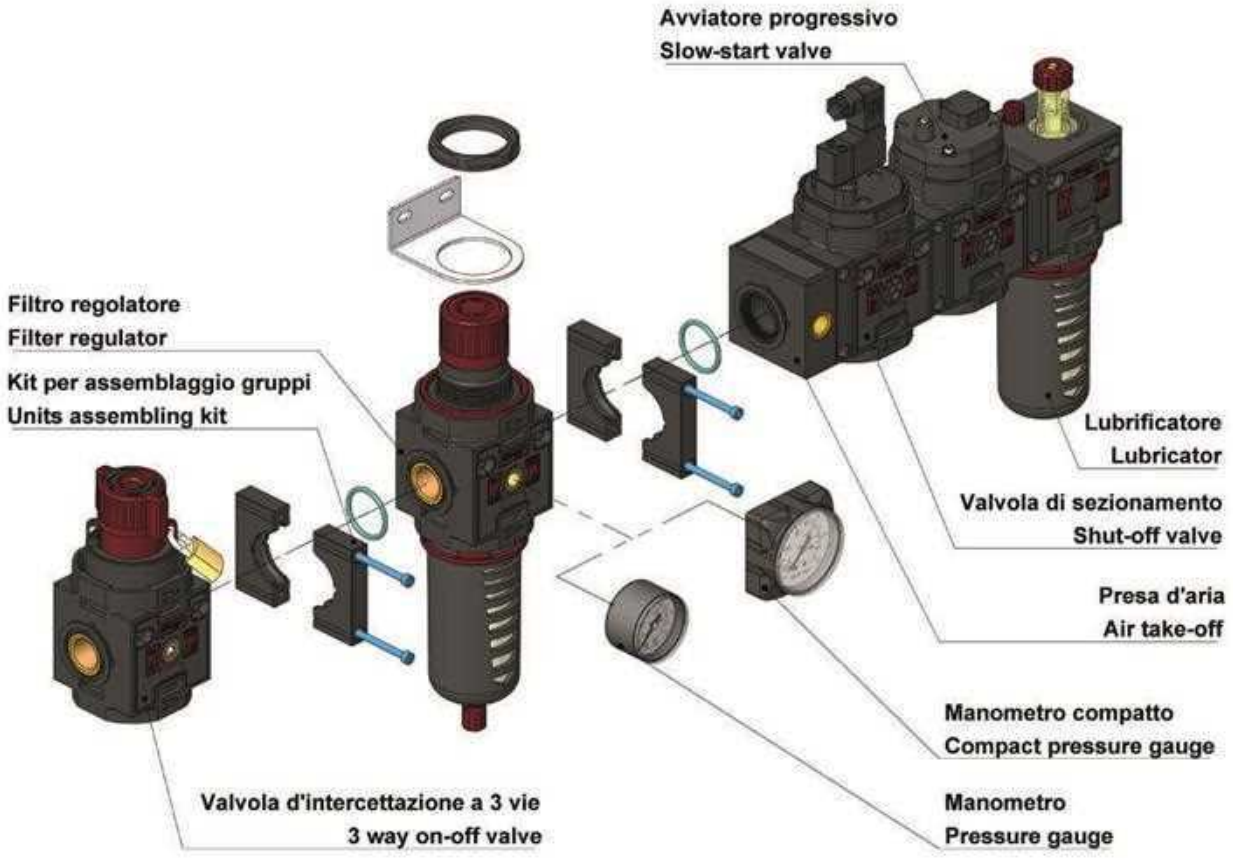
LINE **075 1/2** | MODULAR UNITS

GENERAL FEATURES

This Line consists of traditional units and complementary modules for enabling the configuration of battery sets integrated with several functions.
The complementary modules are:
V3 manual shut-off valve, lockable
SV electric or pneumatic shut-off valve
AVP slow-start valve
MF coalescing microfilter 0,01 micron
CF activated carbon filter
PA additional air inlet: intermediate, inlet; outlet

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C
Connections IN-OUT	G1/2"
Assembling type	Assembling kit
Mounting position	see singol components
Wall fixing	through holes on the body or brackets
Version with lock	standard on V3



LINE **075 1/2** | MODULAR UNITS

CONDENSATE DRAIN

The condensate building up within the pneumatic systems is oftern causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the ouside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

SEMIAUTOMATIC DRAIN (SS)

Semiautomatic drain is supplied as standard on all Aircomp Lines.
The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.
The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

FLOAT TYPE AUTOMATIC DRAIN (SA)

Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

DIFFERENTIAL AUTOMATIC DRAIN (SAD)

Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 0,2 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

OPEN 1/8 CONNECTION (S18)

The seat with female thread 1/8 , available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:
Visibility: The wide dispaly ensures a better visibility.
Compactness: Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.
Easiness: Simple mounting without tools.Tightness is guaranteed by an O-RIng, no teflon or sealant are required.
Versatility: The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.

LINE 075 1/2 | MODULAR UNITS

BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling.
All the bowl are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized.
For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:
1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

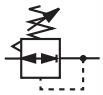
It is not possible to disassemble the bowl when the safety ring is lowered.
Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.

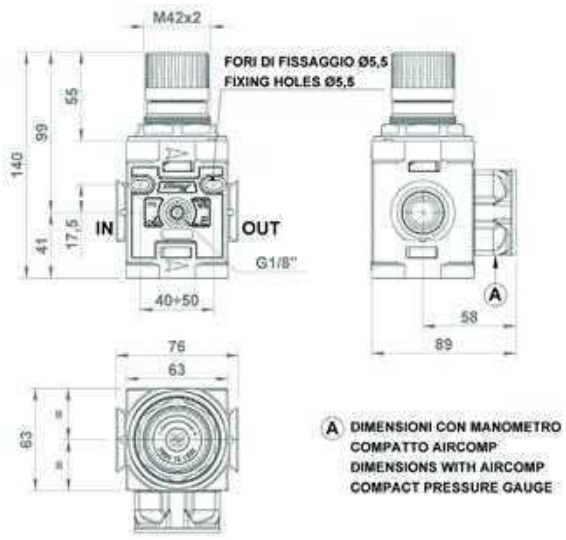
Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

The bowl reassembling can be easily executed following these steps:

1. Check that the safety ring is in its coorrect position (on the clamping tooth) as in Pic. 4
2. Fit the bowl into the body seat and lock it turning anticlockwise Pic. 5
3. Make sure that the safety ring is brought back to the correct position Pic. 6

LINE **075 1/2** | MODULAR REGULATORS





GENERAL FEATURES

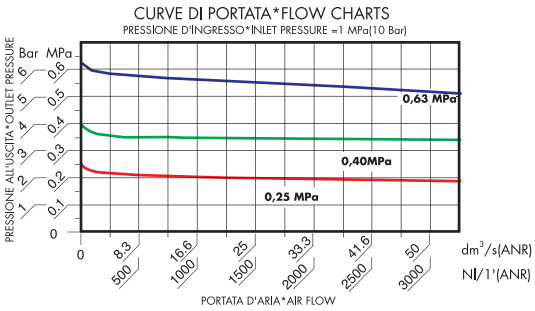
Modular regulator with balanced valve which ensures big flow rate and low load loss.
Relieving for a quick exhaust of the downstream overpressure.
Knob with pressure locking device.
Equipped with nut and nr. plug.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Reference flow rate (P1= 6,3 bar P= 1bar)	2.880 Nl/min
Max Torque IN OUT	1/2" 80 Nm
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Max tourque gauge port	**round:** 10 Nm **compact:** manual
Weight	0,435 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA*FLOW CHARTS



ORDERING CODE

CODE	REF.
075.11.00003	R 1/2" 075 04 R
075.11.***	R 1/2" 075 08 R
075.11.00002	R 1/2" 075 12 R

GUIDE TO REFERENCES

R 1/4" 042 08 R

Product
R = Regulator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

Version
= Standard
B = For battery

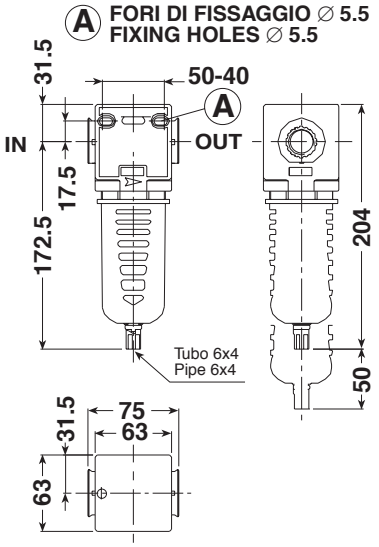
Special type
LK = Lockable

WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

075.11.M0003 R 1/2" 075 04 R + GAUGE

LINE **075 1/2** | MODULAR FILTERS



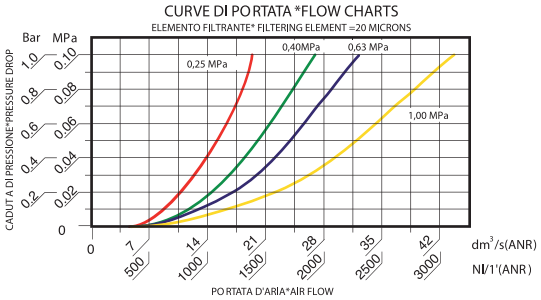
GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.
It can be wall mounted through the holes prearranged on the body.
Equipped with semiautomatic drain as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized. Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.110 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	100 cc
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,355 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
075.12.00025	F 1/2" 075 20 PE SS
075.12.00057	F 1/2" 075 5 PE SS
Float type automatic drain version.	
075.12.00026	F 1/2" 075 20 PE SA
075.12.00058	F 1/2" 075 5 PE SA
"Differential" automatic drain version.	
075.12.00076	F 1/2" 075 20 PE SAD
075.12.00077	F 1/2" 075 5 PE SAD

GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

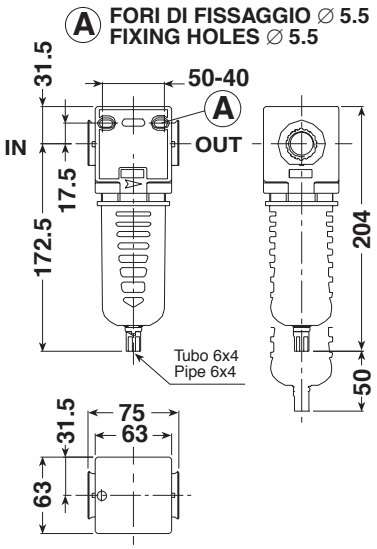
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

LINE **075 1/2** | COALESCING MICROFILTERS (OIL REMOVER)



GENERAL FEATURES

Modular filter with coalescing cartridge made from glass boro-silicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).
It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.
Application: it is suitable for removing oil remnants in pneumatic circuits.
It can be wall mounted through the holes prearranged on the body.
Equipped with semiautomatic condensate drain as standard (SS).
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

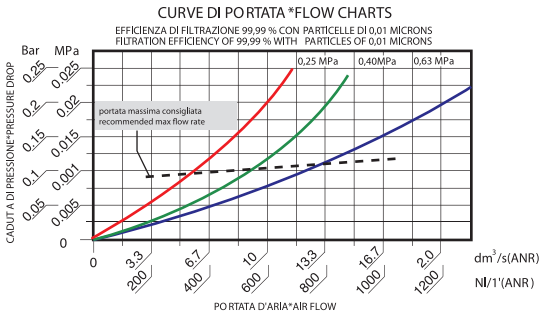
INLET-OUTLET connections	1/2"
Working pressure	0,5 – 12,5 Bar
Filtering degree	0,01 micron
Recommended max flow rate (6,3 bar):	800 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN OUT	1/2" 80 Nm
Weight	0,355 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.12.00027	MF 1/2" 075 0,01 PE SS
Float type automatic drain version.	
075.12.00028	MF 1/2" 075 0,01 PE SA
"Differential" automatic drain version.	
075.12.00078	MF 1/2" 075 0,01 PE SAD

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

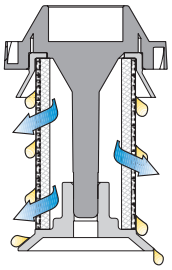
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

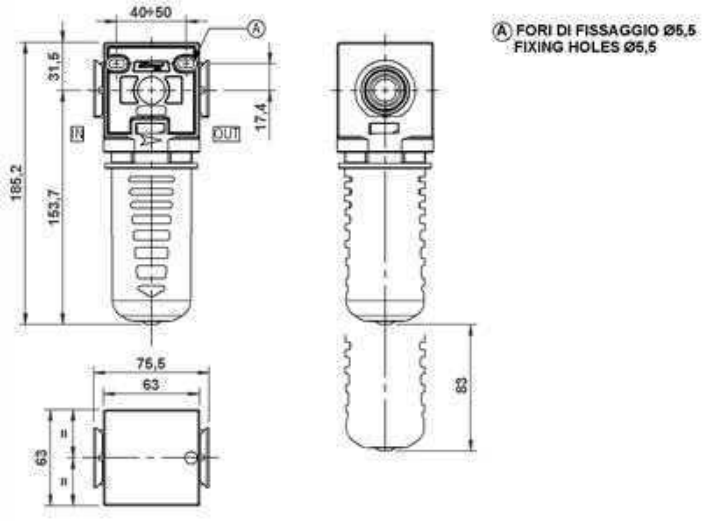
COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



LINE **075 1/2** | CARBON FILTERS



GENERAL FEATURES

Aircomp activated carbon filter exploits the absorbtion properties of activated carbon in order to increase air purity and eliminate unpleasant smell in the air aimed at the industrial sector.
The activated carbon filter, in order to guarantee its performance, needs to be associated with a coalescing filter, that should be preceded by a 5 Micron filter (F+MF+CF).
It can be wall mounted through the holes prearranged on the body.
Closed bowl (without drain) made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

Fluid	compressed air
INLET-OUTLET connections	G1/2"
Maximum inlet pressure	12,5 Bar
Filtering cartridge	activated carbon
Life of cartridge	Replacement against pressure drop higher than 0,75 bar. Anyhow, do not exceed 2.000 working hours. Replace the cartridge as recommended, the saturation of the activated carbon may not cause pressure drop.
Reference flow rate	see the flow chart
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,335 kg

Below 3°C the air of the circuit must be free from humidity

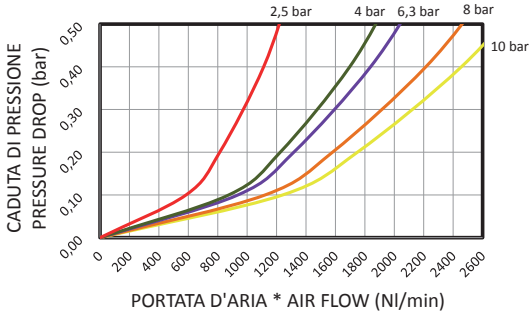
ORDERING CODE

CODE	REF.
075.12.00300	CF 1/2" 075 CA PE

USED MATERIALS

1. **Body** - PA + BRASS
2. **Carbon filter cartridge**
3. **Bowl** - Toughened PA
4. **O-ring** - NBR
5. **Brass insert**

CURVE DI PORTATA * FLOW CHARTS



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

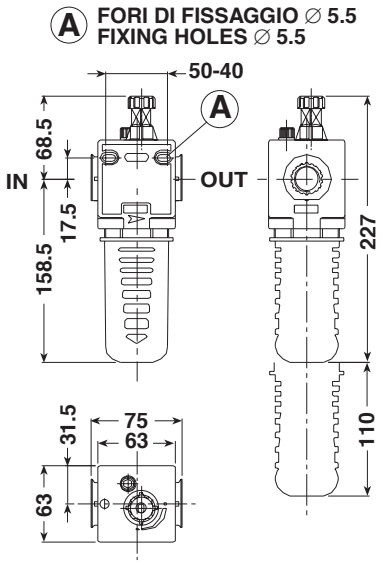
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

LINE **075 1/2** | LUBRICATORS



GENERAL FEATURES

Propotional oil mist lubricator allowing a constant oil delivery over time.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
Oil filling plug.
It can be wall mounted through the holes prearranged on the body.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Maximum inlet pressure	12,5 Bar
Bowl capacity	140 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.550 Nl/min
Working temperature (a 10 bar)	-5 / +50°C C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,335 kg

Below 3°C the air of the circuit must be free from humidity

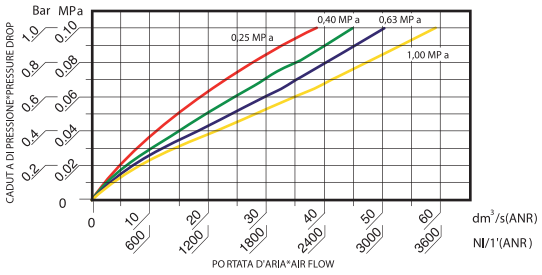
ORDERING CODE

CODE	REF.
075.13.00025	L 1/2" 075 PE

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	**MPa**	**Bar**	**dm³/s (ANR)**	**Nl/1' (ANR)**	**SCFM**
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

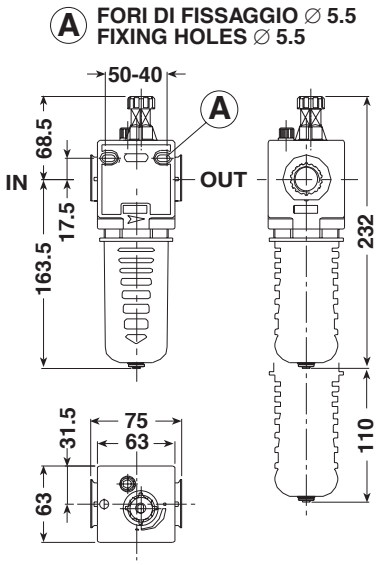
Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
- = Standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

LINE 075 1/2 | LUBRICATOR WITH LEVEL INDICATORS



GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
It can be wall mounted through the holes prearranged on the body.
Closed bowl made from hardened polyamide, with outer guard.

GENERAL TECHNICAL DATA

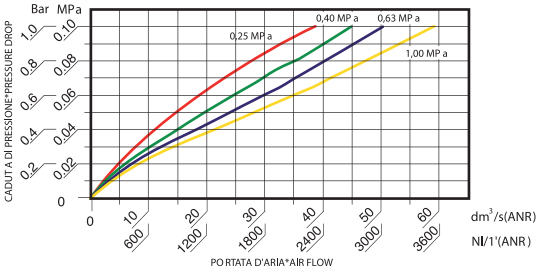
INLET-OUTLET connections	1/2"
Maximum inlet pressure	7 Bar
Maximum voltage	100 V AC
Electric contact	0,75 A 10W Protection IP 65
Bowl capacity	132 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	3,020 Nl/min
Working temperature (a 7 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,385 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.13.00032	L 1/2" 075 PE IL

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

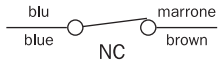
Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

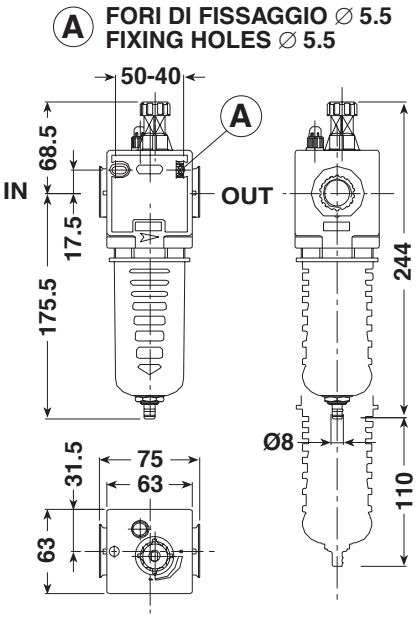
Version
- = standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

LEVEL INDICATOR



LINE 075 1/2 | VL VACUUM FILLING LUBRICATORS



GENERAL FEATURES

Propotional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
It can be wall mounted through the holes prearranged on the body.
Closed bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Working pressure	min. 4 Bar – max 12,5 Bar
Bowl capacity	140 cc
Recommended oil viscosity	ISO VG32
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.550 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,395kg

Below 3°C the air of the circuit must be free from humidity

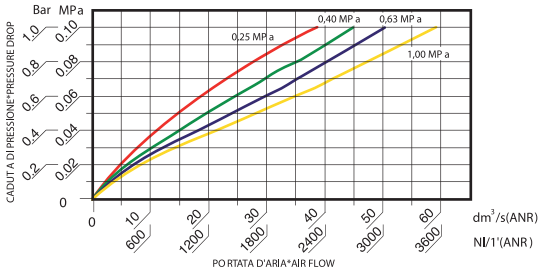
ORDERING CODE

CODE	REF.
075.13.00500	L 1/2" 075 PE VL

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	**MPa**	**Bar**	**dm³/s (ANR)**	**Nl/1' (ANR)**	**SCFM**
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

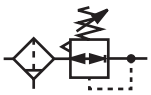
Version
- = standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

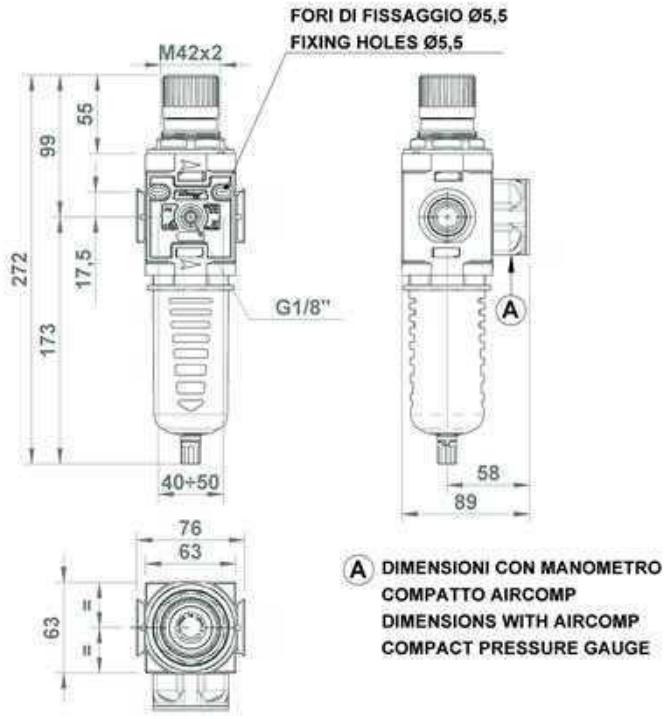
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

FUNCTIONING VL

The oil filling is achieved by pressing and holding the button at the base of the lubricator body.
The "Venturi" system causes a vacuum inside the bowl and the related oil intake.
The oil fillling is stopped only upon releasing the button.
The oil level is visually checked during the filling.
Max. suction height : 1,5 m.

LINE **075 1/2** | FILTER REGULATORS





A DIMENSIONI CON MANOMETRO COMPATTO AIRCOMP
DIMENSIONS WITH AIRCOMP COMPACT PRESSURE GAUGE

GENERAL FEATURES

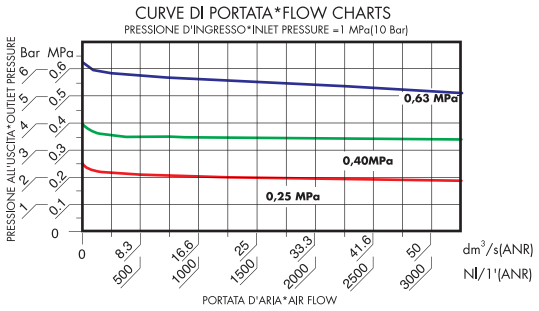
High performance modular filter regulator ensuiriung big flow rate and low load loss.
Relieving for a quick exhaust of the downstream overpressure.
Knob with locking pressure device.
Equipped with semiautomatic drain as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	2.880 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Max tourque gauge port	**round:** 10 Nm **compact:** manual
Bowl capacity	100 cc
Weight	0,565 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA*FLOW CHARTS



ORDERING CODE

CODE	REF.
075.14.00025	FR 1/2" 075 20 08 R PE SS
075.14.00053	FR 1/2" 075 20 12 R PE SS
075.14.00062	FR 1/2" 075 5 04 R PE SS
075.14.00063	FR 1/2" 075 5 08 R PE SS
075.14.00064	FR 1/2" 075 5 12 R PE SS
Float type automatic drain version.	
075.14.00026	FR 1/2" 075 20 08 R PE SA
075.14.00065	FR 1/2" 075 20 12 R PE SA
"Differential" automatic drain version.	
075.14.00097	FR 1/2" 075 20 08 R PE SAD
075.14.00098	FR 1/2" 075 20 12 R PE SAD

GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product
FR = Filter regulator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

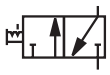
Version
R = Relieving

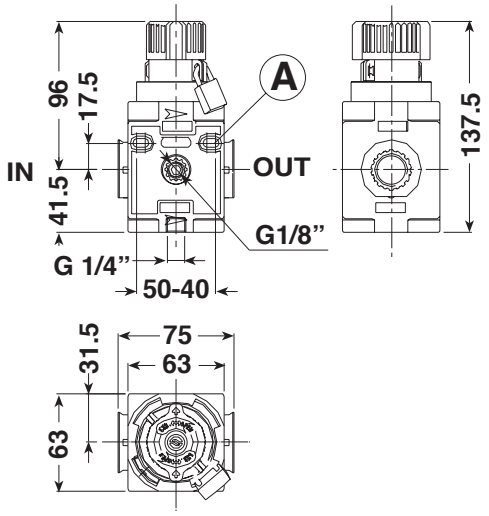
Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?
Replace 0 with "M" the the 6th digit of the part nr. for example:

075.14.M0025 FR1/2" 075 20 08R PESS + GAUGE

LINE **075 1/2** | 3-WAY VALVES WITH LOCK





GENERAL FEATURES

The job of this 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized.
The valve is equipped with nr. 1 lock and nr. 2 keys.

GENERAL TECHNICAL DATA

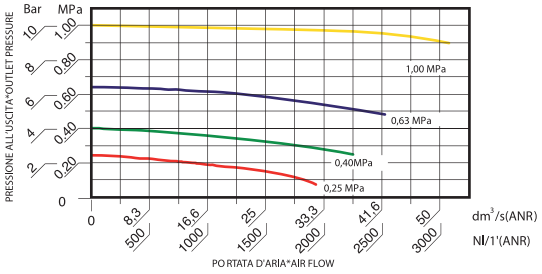
INLET-OUTLET connections	1/2"
Exhaust connection	1/4"G
Maximum inlet pressure	12,5 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.075 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.850 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,390 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.25.00001	V 1/2" 075 V 3

CURVE DI PORTATA *FLOW CHARTS

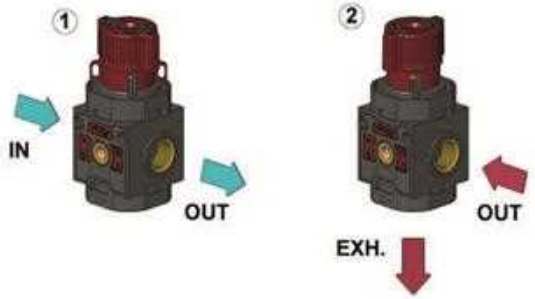


GUIDE TO REFERENCES

V 1/4" 042 3V

Product	Functioning
V = 3 way Valve	**3V** = 3 Way

Connection	Line
1/4" = G 1/4"	**042**
3/8" = G 3/8"	**050**
1/2" = G 1/2"	**052**
3/4" = G 3/4"	**075**
	080



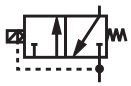
1. with OPEN VALVE

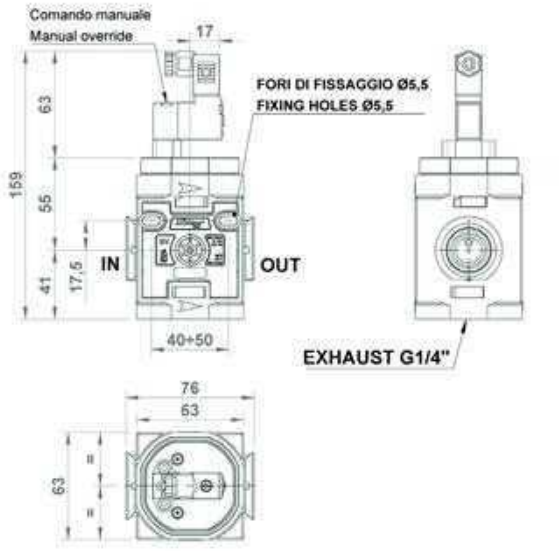
IN and OUT are in communication for an open air flow

2. with CLOSED VALVE

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

LINE 075 1/2 | ELECTRICAL SHUT-OFF VALVES 15MM





GENERAL FEATURES

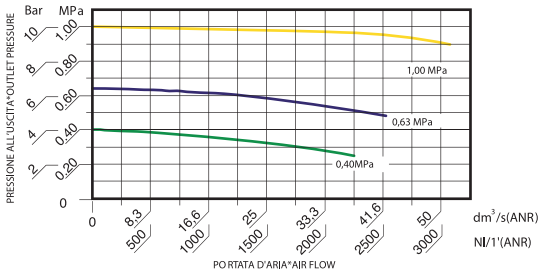
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control consolle.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Exhaust connection	1/4"G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar P= 1 Bar)	3.075 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.850 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
Weight	0,450kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING PART NR. COMPLETE UNIT

CODE	REF.
075.26.00102	SV 1/2 075 15MM 12V DC
075.26.00202	SV 1/2 075 15MM 24V DC
075.26.00602	SV 1/2 075 15MM 24V AC
075.26.00702	SV 1/2 075 15MM 110V AC
075.26.00802	SV 1/2 075 15MM 220V AC

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

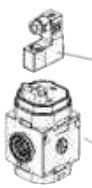
Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version
15MM = Solenoid pilot 15 mm
CNOM = Electric controlC-NOMO
PNEU = Pneumatic

ORDERING PART NR. SEPARATE COMPONENTS



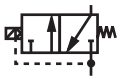
CODE	REF.
C50.26.00002	KIT C. ELECTR. 3/2 NC 2,5W 24V DC MICROSOL
C50.26.00003	KIT C. ELECTR. 3/2 NC 3VA 24V AC MICROSOL
C50.26.00004	KIT C. ELECTR. 3/2 NC 3VA 110V AC MICROSOL
C50.26.00005	KIT C. ELECTR. 3/2 NC 3VA 220V AC MICROSOL

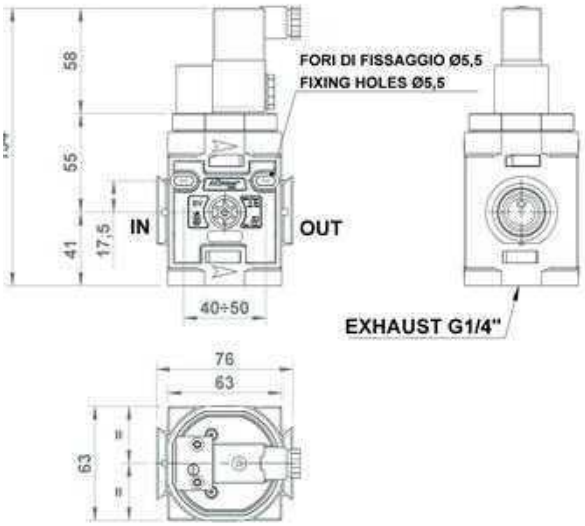
075.26.00002	SV 1/2" 075 PRED. C. ELECTR. MICROSOL/PNEUM

1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

LINE **075 1/2** | ELECTRICAL SHUT-OFF VALVES CNOMO





GENERAL FEATURES

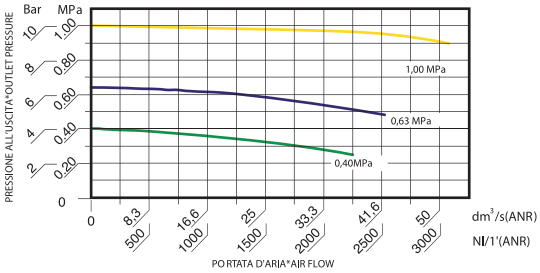
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control consolle.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Exhaust connection	1/4"G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar P= 1 Bar)	3.075 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.850 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Electric pilot	3/2 NC (tipo CNOMO) for coil 22mm
Available voltage	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
Weight	0,520kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING PART NR. COMPLETE UNIT

CODE	REF.
075.26.00101	SV 1/2 075 CNOM 12V DC
075.26.00201	SV 1/2 075 CNOM 24V DC
075.26.00601	SV 1/2 075 CNOM 24V AC
075.26.00701	SV 1/2 075 CNOM 110V AC
075.26.00801	SV 1/2 075 CNOM 220V AC

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

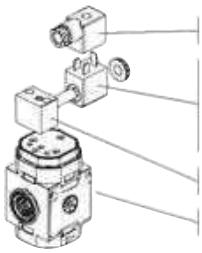
Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version
15MM = Solenoid pilot 15 mm
CNOM = Electric controlC-NOMO
PNEUAMTIC = Pneumatic connection

ORDERING PART NR. SEPARATE COMPONENTS

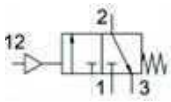


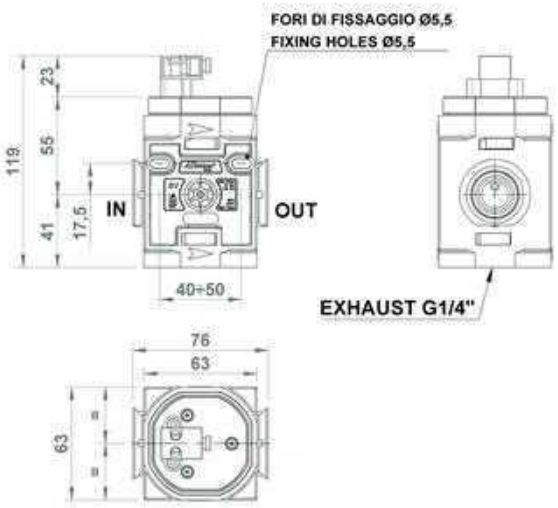
CODE	REF.
A50.26.00010	CONN. CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
C50.26.00006	C.ELECTR EV 3/2 NC CNOMO
075.26.00001	SV 1/2" 075 PRED. C. ELECTR. CNOMO

1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

LINE **075 1/2** | PNEUMATIC SHUT-OFF VALVES





GENERAL FEATURES

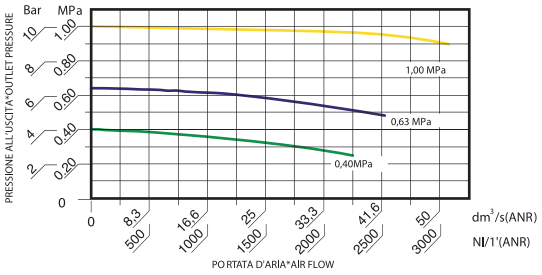
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The pneumatic model is actauted through a pneumatic piloting operated by selectors or by mushroom actuators present on the control consolle.
Application: it can be used singularly or, more commnly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Exhaust connection	1/4"G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate (P1= 10 bar P= 1 Bar)	3.075 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.850 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Pneumatic connection	push-in fitting D. 4mm
Weight	0,400kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

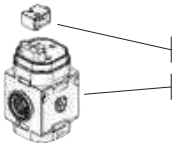
Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version
15MM = Solenoid pilot 15 mm
CNOM = Electric controlC-NOMO
PNEU = Pneumatic

ORDERING PART NR. COMPLETE UNIT

CODE	REF.
075.26.00902	SV 1/2 075 PNEUMATIC

ORDERING PART NR. SEPARATE COMPONENTS

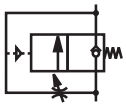


CODE	REF.
C40.26.00014	PNEUMATIC CONTROL KIT
075.26.00002	SV 1/2" 075 PRED. C. ELECTR. MICROSOL/PNEUM

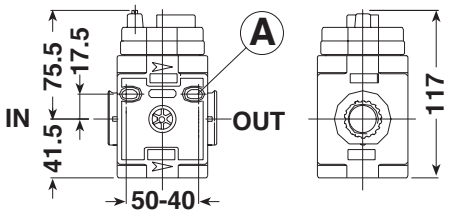
1. with piloting under pressure, the SV is open (IN-OUT communication)

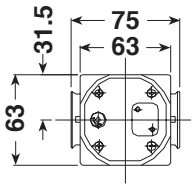
2, with piloting not under pressure, the SV is closed (IN closed / OUT exhausting)

LINE **075 1/2"** | SLOW-START VALVES



Ⓐ **FORI DI FISSAGGIO ∅ 5.5**
FIXING HOLES ∅ 5.5





GENERAL FEATURES

The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on.
The gradual pressurization takes place until about 60% of the supply pressure is reached.
The pressurization time can be adjusted through the speed controller positioned in the upper part of the body.
Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

GENERAL TECHNICAL DATA

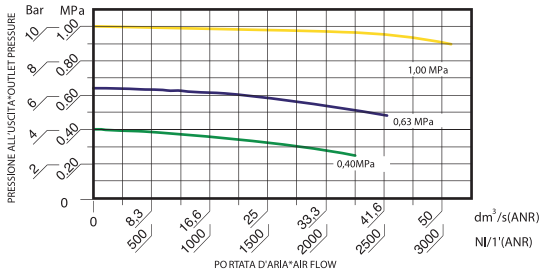
INLET-OUTLET connections	G1/2"
Working pressure	min. 3 Bar - max 10 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.075 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,410 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.27.00001	AVP 1/2" 075 PN Autonom.

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

AVP 1/4" 042 PN

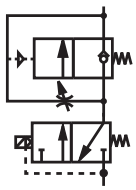
Product
AVP = Slow-start valve

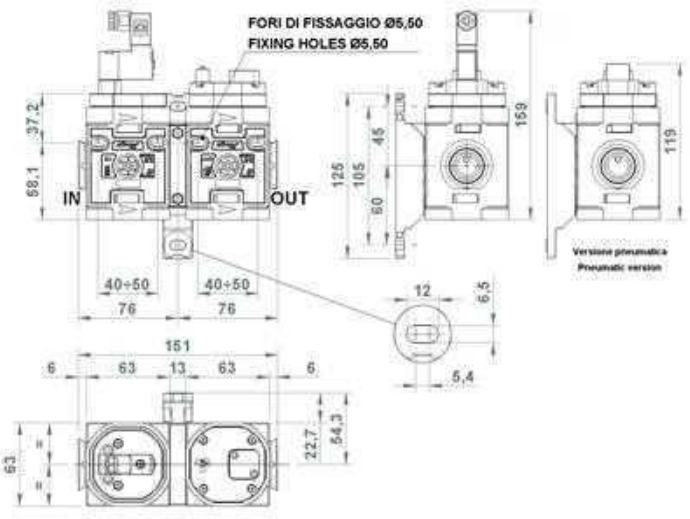
Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

Functioning
PN = Pneumatic

LINE **075 1/2** | SHUT-OFF/SLOW START COMBINATIONS





GENERAL FEATURES

SVAV is a set consisting of shut-off valve (SV) and slow-start valve (AVP), assembled and equipped with electric or pneumatic control.
This complete unit, combines the functions of exhausting the pneumatic circuit and cutting-off air supply (SV) with the progressiva pressurization provided by the slow-start valve (AVP).
The valves are available with electric control in different voltages or with pneumatic control.
The proposed set is ready to be subsequently assembled with other Aircomp modules, or singularly mounted.
For further information about SV and AVP, please refer to the respective datasheets.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Exhaust connection.	1/4"
Working pressure	min. 3 Bar – max. 10 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.075 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.850 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage:	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Pneumatic piloting	push-in fitting D. 4mm
SVAV E Weight:	0,885 kg
SVAV P Weight	0,860 kg

Below 3°C the air of the circuit must be free from humidity

GUIDE TO REFERENCES

SVAV 1/2" 075 E 24VDC

Product
SVAV = SV+AVP

Connection
1/2" = G 1/2"

Line
075

Voltage
24VDC
24VAC
110VAC
220VAC

Piloting
E = Electric
P = Pneumatic

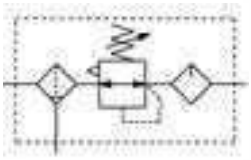
ORDERING PART NR.ELECTRIC VERSION

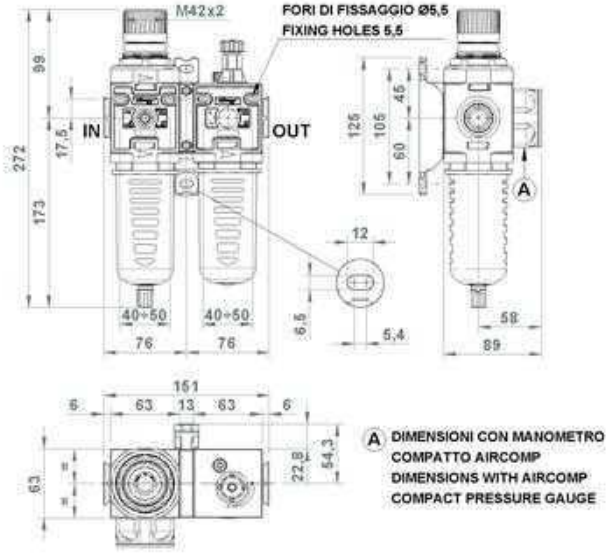
CODE	REF.
075.28.00001	SVAV 1/2 075 E 24V DC
075.28.00002	SVAV 1/2 075 E 24V AC
075.28.00003	SVAV 1/2 075 E 110V AC
075.28.00004	SVAV 1/2 075 E 220V AC

ORDERING PART NR. PNEUMATIC VERSION

CODE	REF.
075.28.00005	SVAV 1/2 075 P Ø4

LINE **075 1/2** | FR + L UNITS





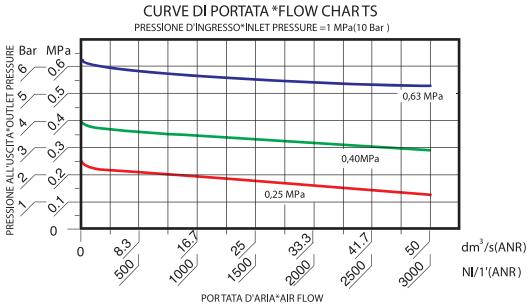
GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.
It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.
Unit featuring big flow rate and regualtion sensitivity, filtration and high condensate separation.
Semiautomatic condensate drain supplied as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	2.200 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Max tourque gauge port	**round:** 10 Nm **compact:** manual
Weight	0,94 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
075.16.00025	FR+L 1/2" 075 20 08 R PE SS
075.16.00053	FR+L 1/2" 075 20 12 R PE SS
075.16.00065	FR+L 1/2" 075 5 08 R PE SS
075.16.00066	FR+L 1/2" 075 5 12 R PE SS
075.16.00501	FR+L 1/2" 075 20 08 R PE SS VL
Float type automatic drain version.	
075.16.00026	FR+L 1/2" 075 20 08 R PE SA
075.16.00068	FR+L 1/2" 075 20 12 R PE SA
"Differential" automatic drain version.	
075.16.00096	FR+L 1/2" 075 20 08 R PE SAD
075.16.00097	FR+L 1/2" 075 20 12 R PE SAD

GUIDE TO REFERENCES

FR+L **1/4"** **042** **20** **08** **R** **PE** **SS**

Product
FR+L = Filter regulator + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

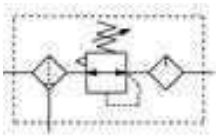
Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

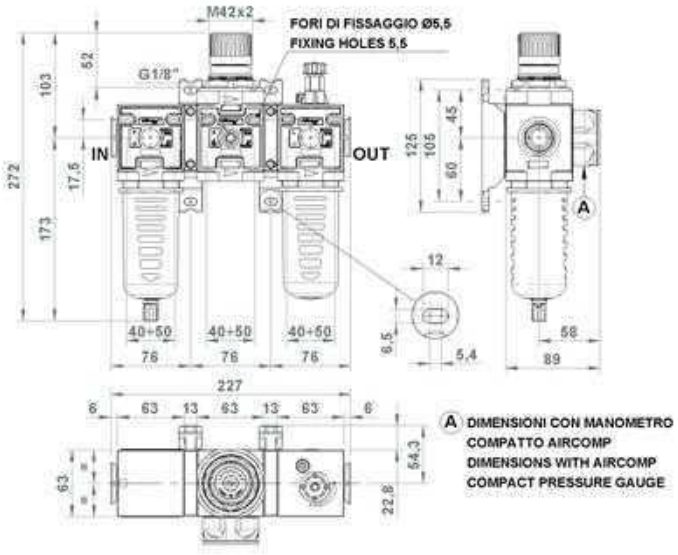
WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

075.16.M0025 FR+L1/2" 075 20 08R PESS + GAUGE

LINE **075 1/2** | F+R+L UNITS





GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator.
It combines the functions of filtration, pressure regulation and lubrication of compressed air for industrial applications.
Set delivering a big flow rate and regulation sensitivity, filtration with high condensate separation.
It is equipped with semiautomatic drain as standard (SS).
Available options: float type automatic drain (SA) and differential (SAD), that can convey condensate to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

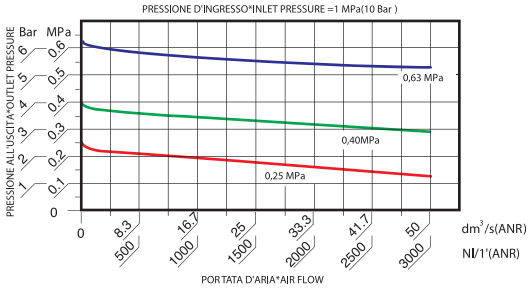
INLET-OUTLET connections	G1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1 bar)	2.200 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Max tourque gauge port	**round:** 10 Nm **compact:** manual
Weight	1,23 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.15.00025	F+R+L 1/2" 075 20 08 R PE SS
075.15.00041	F+R+L 1/2" 075 20 12 R PE SS
075.15.00043	F+R+L 1/2" 075 5 08 R PE SS
075.15.00044	F+R+L 1/2" 075 5 12 R PE SS
075.15.00501	F+R+L 1/2" 075 20 08 R PE SS VL
Float type automatic drain version.	
075.15.00026	F+R+L 1/2" 075 20 08 R PE SA
075.15.00046	F+R+L 1/2" 075 20 12 R PE SA
"Differential" automatic drain version.	
075.15.00067	F+R+L 1/2" 075 20 08 R PE SAD
075.15.00069	F+R+L 1/2" 075 20 12 R PE SAD

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

Product
F+R+L = Filtro + Regolatore + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

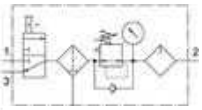
Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

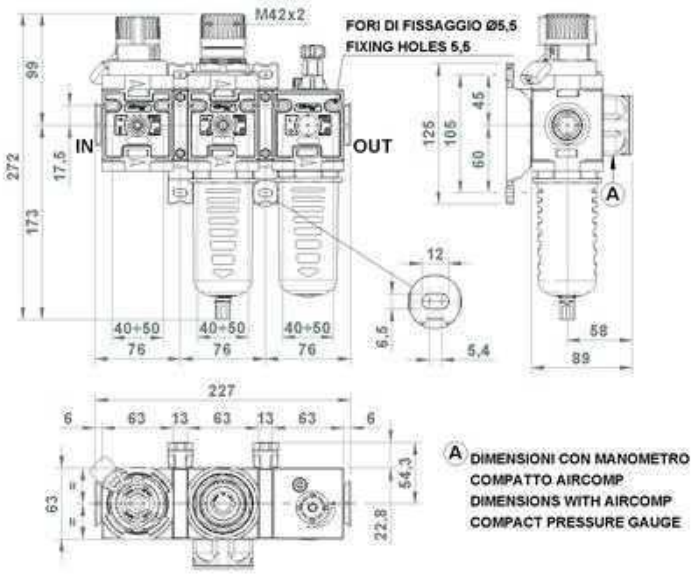
Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?
Replace 0 with "M" the the 6th digit of the part nr. for example:

075.15.M0025 F+R+L1/2" 075 20 08R PESS + GAUGE

LINE **075 1/2** | V3+FR+L UNITS





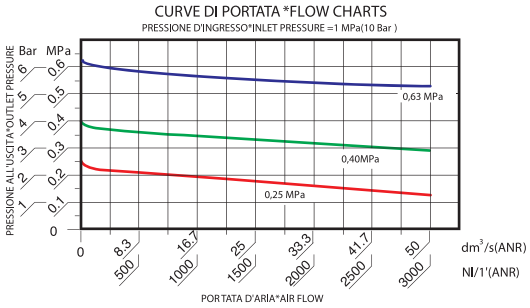
GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).
It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.
Lockable V3 valve for greater safety during maintenance operations.
It is equipped with semiautomatic drain as standard (SS).
Available options:float type automatic drain (SA) and differential (SAD), which can discharge to the outside the condensate even when the bowl is pressurized.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 6,3 bar ΔP= 1bar)	2.200 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque In OUT	1/2" 80 Nm
Max tourque gauge port	**round:** 10 Nm **compact:** manual
Weight	1,35 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
075.36.00025	V3+FR+L 1/2" 075 20 08 R PE SS
075.36.00053	V3+FR+L 1/2" 075 20 12 R PE SS
075.36.00064	V3+FR+L 1/2" 075 5 04 R PE SS
075.36.00065	V3+FR+L 1/2" 075 5 08 R PE SS
075.36.00066	V3+FR+L 1/2" 075 5 12 R PE SS
075.36.00501	V3+FR+L 1/2" 075 20 08 R PE SS VL
075.36.00505	V3+FR+L 1/2" 075 20 12 R PE SS VL
Float type automatic drain version.	
075.36.00026	V3+FR+L 1/2" 075 20 08 R PE SA
075.36.00068	V3+FR+L 1/2" 075 20 12 R PE SA
"Differential" automatic drain version.	
075.36.00072	V3+FR+L 1/2" 075 20 08 R PE SAD
075.36.00073	V3+FR+L 1/2" 075 20 12 R PE SAD

GUIDE TO REFERENCES

V3+FR+L 1/4" 042 20 08 R PE SS

Product
V3+FR+L = V3 + Filter regulator + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

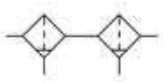
Version
R = Relieving

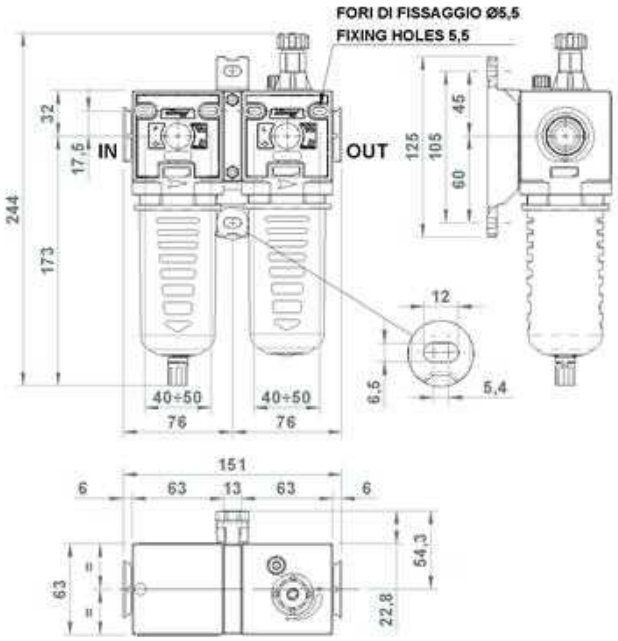
Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?
Replace 0 with "M" the the 6th digit of the part nr. for example:

075.36.M0025 V3+FR+L1/2" 075 20 08R PE SS + GAUGE

LINE **075 1/2** | F + L UNITS





GENERAL FEATURES

Unit consisting of Filter and Lubricator.
It combines the functions of filtration and lubrication of compressed air for industrial applications.
Proportional oil mist lubricator ensuring a constant oil delivery over time.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1/2"
Working pressure	0,5 – 12,5 Bar
Drain working pressure.	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Recommended oil viscosity	ISO VG32
Weight	0,800 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.17.00025	F+L 1/2" 075 20 PE SS
075.17.00031	F+L 1/2" 075 5 PE SS
075.17.00501	F+L 1/2" 075 20 PE SS VL
Float type automatic drain version.	
075.17.00026	F+L 1/2" 075 20 PE SA
075.17.00032	F+L 1/2" 075 5 PE SA
075.17.00511	F+L 1/2" 075 20 PE SA VL
"Differential" automatic drain version.	
075.17.00033	F+L 1/2" 075 20 PE SAD
075.17.00034	F+L 1/2" 075 5 PE SAD

GUIDE TO REFERENCES

F + L **1/4"** **042** **20** **PE** **SS**

Product
- **F+L** = Filter + Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

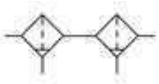
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

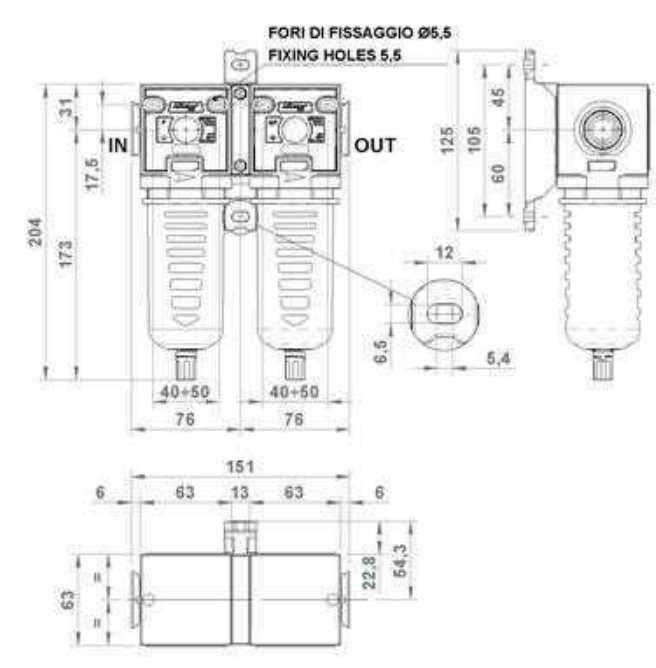
Filtering element
- **5** = 5 micron
- **20** = 20 micron

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

LINE **075 1/2** | F + MF UNITS





GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.
The job of the Filter is filtering solid particles and condensate separatation. The job of the coalescing Microfilter is to remove oil.
It is equipped with semiautomatic drain as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	800 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	0,76 kg

Below 3°C the air of the circuit must be free from humidity

GUIDE TO REFERENCES

F	1/4"		5	PE	SS +
MF	1/4"	042	0,01	TT	SS

Product
- **F** = Filter + Microfilter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"

Line
- **042**
- **050**
- **052**
- **075**
- **080**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron

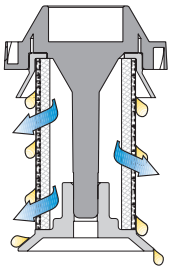
ORDERING CODE

CODE	REF.
075.19.00001	F 1/2" 075 5 PE SS+MF 1/2" 075 0,01 PE SS
Float type automatic drain version.	
075.19.00002	F 1/2" 075 5 PE SS+MF 1/2" 075 0,01 PE SA
"Differential" automatic drain version.	
075.19.00004	F 1/2" 075 5 PE SS+MF 1/2" 075 0,01 PE SAD

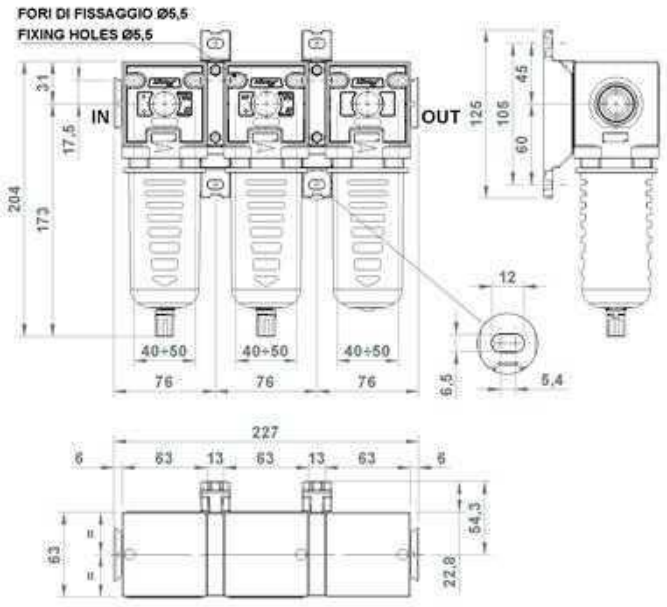
COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.



LINE **075 1/2** | F + MF + CF UNITS



GENERAL FEATURES

Filtration set combining Filter with high condensate separation, coalescing Microfilter and activated carbon Filter.
The job of the unit is to filter solid particles and separate condensate with the Filter along with the coalescing function of the Microfilter, besides removing unpleasant smells in the air circuit aimed at the industrial sector by means of the activated carbon.
It is equipped with semiautomatic drain as standard (SS) on F and MF.
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G1/2"
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Activated carbon cartridge CF	
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	800 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1/2" 80 Nm
Weight	1,150 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
075.18.00001	F 5 PE SS + MF 0,01 PE SS + CF PE 1/2 075
075.18.00002	F 5 PE SS + MF 0,01 PE SA + CF PE 1/2 075

GUIDE TO REFERENCES

F	**1/4”**	**042**	**5**	**PE**	**SS**	**+**
MF	**1/4”**	**042**	**0,01**	**PE**	**SS**	**+**
CF	**1/4”**	**042**	**CA**	**PE**		

Product
- **F** = Filtro + Microfilter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4”** = G 1/4”
- **3/8”** = G 3/8”
- **1/2”** = G 1/2”
- **3/4”** = G 3/4”

Line
- **042**
- **050**
- **052**
- **075**
- **080**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

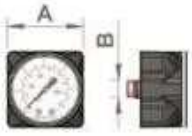
Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

LINE **075 1/2** | ACCESSORIES

GAUGE

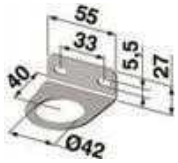
CODE	Bar	Psi	A	B	CH.
A75.01.00010	0-12	0-175	50	G1/8"	14
A75.01.00011	0-6	0-85	50	G1/8"	14

COMPACT GAUGE



CODE	Bar	Psi	A	B
A750100045	0-12	0-175	50	G1/8"

BRACKET

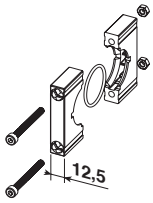


CODE
C75.01.00018

"T" BRACKET KIT LINE 075 – 080

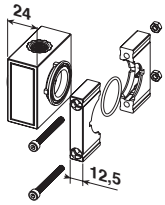
CODE
C75.06.00011

KIT ASSEMBLING UNITS



CODE	PROD.
C75.05.00001	F+R+L
C75.06.00001	FR+L - F+L

AIR TAKE-OFF



CODE	CONNECTION	PROD.
Air take-off		
C75.06.00002	1/4"	F+R+L - FR+L - F+L
Inlet air take-off		
C75.06.00004	1/4"- 1/2"	ALL
Outlet air take-off		
C75.06.00005	1/4"- 1/2"	ALL

PLUG G1/8"

CODE	PROD.
B38.00.00018	MR - MR P

LINE **075 1/2** | ACCESSORIES

PRESSURE SWITCH

CODE	REF.
A50.06.00005	AP1-3-02-03-G

INTERMEDIATE AIR TAKE-OFF WITH PRESSURE SWITCH LINE 075

CODE	REF.
C75.06.00008	PA 075 INTERMEDIATE + AP1

TERMINAL AIR TAKE-OFF WITH PRESSURE SWITCH LINE 075 - 1/2

CODE	REF.
C75.06.00009	PA INLET 075 1/2 + AP1 (INLET)
C75.06.00010	PA INLET 075 1/2 + AP1 (INLET)

AUTOMATIC DRAIN

CODE	PROD.
C40.02.00130 SA	F - FR - MF
C42.02.00012 SAD	F - FR - MF

MOUNTING KIT FOR AUTOMATIC DRAIN

CODE	PROD.
C40.02.00131	SA - SAD

LINE **075 1/2** | SPARE PARTS

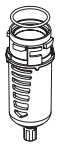
DIAPHRAGM KIT

CODE	PROD.	VERSION
C75.01.00023	R - FR	RELIEVING

REGULATION SPRING

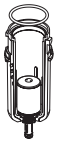
CODE	PROD.	SET REGULATION
A75.01.00030	R - FR	0÷4 Bar
A75.01.00031	R - FR	0÷8 Bar
A75.01.00032	R - FR	0÷12 Bar

BOWL FOR FILTER



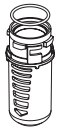
CODE	PROD.	VERSION
C75.02.00022	F - FR - MF	PE SS

BOWL WITH AUTOMATIC DRAIN



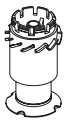
CODE	PROD.	VERSION
C75.02.00026	F - FR - MF	PE SA
C75.02.00103	F - FR - MF	PE SAD

BOWL FOR LUBRICATOR



CODE	PROD.	VERSION
C75.03.00022	IL	PE
C75.13.01000	VL	PE
C75.03.00075	IL	PE

FILTERING ELEMENT



CODE	PROD.	VERSION
C75.02.00059	F	20 MICRON
C75.02.00064	FR	20 MICRON
C75.02.00063	F	5 MICRON
C75.02.00065	FR	5 MICRON
C75.02.00061	MF	0,01 MICRON
A75.02.00036	CF	CARBON

OIL WINDOW

CODE	PROD.
C75.03.00018	L

OIL PLUG WITH OR 2031

CODE	PROD.
C75.03.00073	L

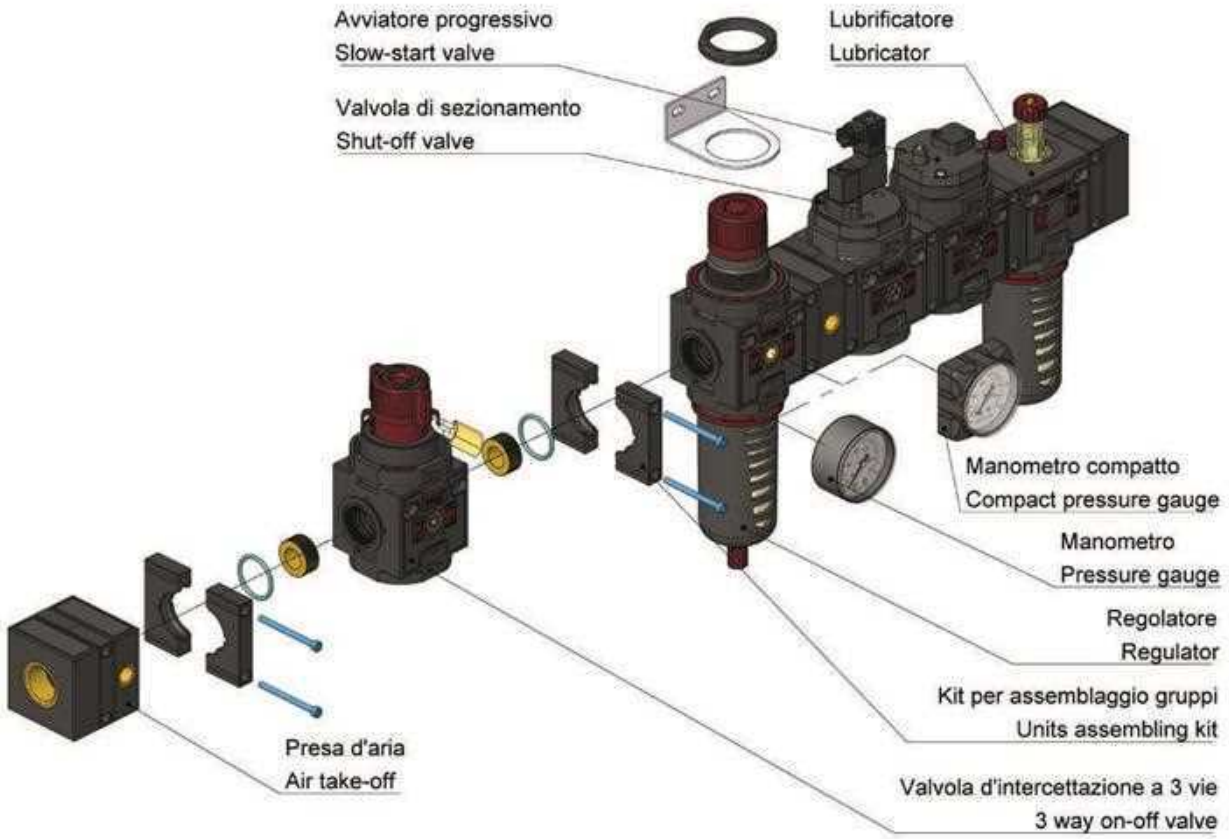
LINE 080 3/4" | MODULAR UNITS

GENERAL FEATURES

Line 080 - 3/4" comes from the Line 075 1/2", of which maintains the main features and performance.
The units of Line 080 consist of a central body with end-caps having 3/4" connections, that are assembled by means of a special anti-rotation joint.
The anti-rotation joint prevents the torsion of the components during the operation of connection of the unit to the supply ducts.
Line 080 comes complete with all the complementary modules for realizing modular sets in order to meet the requiremnts of each specific application.
The available complementary modules are:
V3 manual shut-off valve, lockable
SV electric or pneumatic shut-off valve
AVP slow-start valve
MF coalescing microfilter 0,01 micron
CF activated carbon filter
PA additional air inlet: intermediate, inlet; outlet

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C*
Connections IN-OUT	3/4" G
Assembling type	Assembling kit
Mounting position	see singol components
Wall fixing	through holes on the body or brackets
Version with lock	standard on V3



LINE 080 3/4" | MODULAR UNITS

CONDENSATE DRAIN

The condensate building up within the pneumatic systems is oftern causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the ouside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

SEMIAUTOMATIC DRAIN (SS)

Semiautomatic drain is supplied as standard on all Aircomp Lines.
The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.
The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

FLOAT TYPE AUTOMATIC DRAIN (SA)

Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

DIFFERENTIAL AUTOMATIC DRAIN (SAD)

Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 0,2 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

OPEN 1/8 CONNECTION (S18)

The seat with female thread 1/8 , available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

UNITS WITH COMPACT GAUGE

Units can be requested complete with gauge.

In this case, they are equipped with our compact gauge offering following advantages:
Visibility: The wide dispaly ensures a better visibility.
Compactness: Designed for having reduced dimensions, the Compact Gauge restrains the risk of breaking.
Easiness: Simple mounting without tools.Tightness is guaranteed by an O-RIng, no teflon or sealant are required.
Versatility: The new Compact Gauge can be re-used on other Aircomp units. In case of need, it can be replaced with other commercial gauges.

LINE 080 3/4 | MODULAR UNITS

BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling.
All the bowl are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized.
For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:
1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

It is not possible to disassemble the bowl when the safety ring is lowered.
Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.

Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

The bowl reassembling can be easily executed following these steps:

1. Check that the safety ring is in its coorrect position (on the clamping tooth) as in Pic. 4
2. Fit the bowl into the body seat and lock it turning anti-clockwise Pic. 5
3. Make sure that the safety ring is brought back to the correct position Pic. 6

HOW TO ORDER UNITS 3/4"

The unit is supplied COMPLETE WITH INLET and OUTLET END-CAPS for allowing installation for single use.

It is possible to order the same unit in version WITHOUT END-CAPS, when it is aimed at being assembled in battery set with other units (please refer to each datasheet for the ordering part nr.).
In such cases, end-caps are provided as first and last module only.

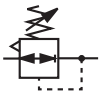
END-CAPS WITH ANTI-ROTATION

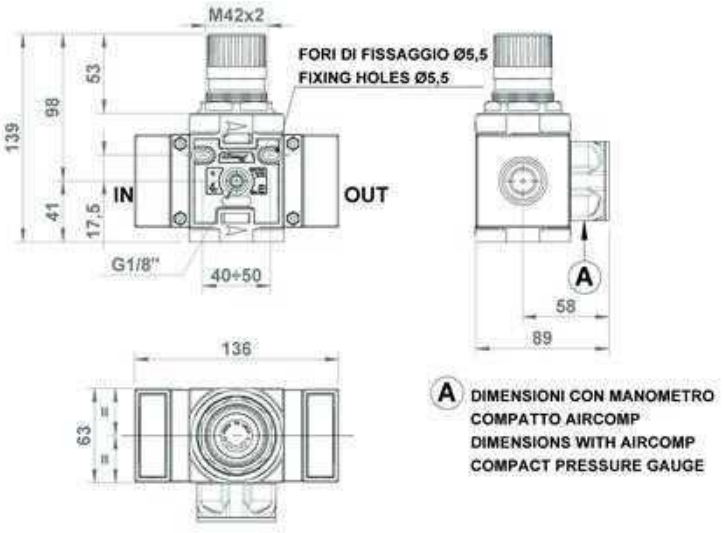
The end-cap kit Line 080 is equipped with a particular antirotation insert.

The insert joins the unit body to the end-cap avoiding the rotation of the components during the assembling of fittings.

PLEASE NOTE: if a unit without end-cap is to be added in a battery set, you will need an assembling kit.

LINE **080 3/4** | MODULAR REGULATORS





GENERAL FEATURES

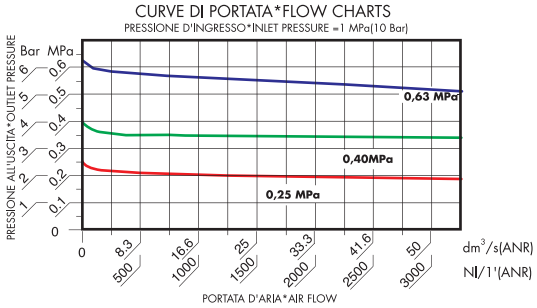
Modular regulator with balanced valve which ensures big flow rate and low load loss.
Relieving for a quick exhaust of the downstream overpressure.
Knob with pressure locking device.
Equipped with nut and nr. plug.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Reference flow rate	(P1= 6,3 bar Δ P= 1bar) : 2.880 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Max tourque gauge port	**round:** 10 Nm **compact:** manual

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA*FLOW CHARTS



ORDERING CODE

CODE	REF.
080.01.00002	R 3/4" 080 04 R
080.01.00001	R 3/4" 080 08 R
080.01.00003	R 3/4" 080 12 R

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C 800100001 - R 3/4" 080 08R without end-caps.

GUIDE TO REFERENCES

R 1/4" 042 08 R

Product
R = Regulator

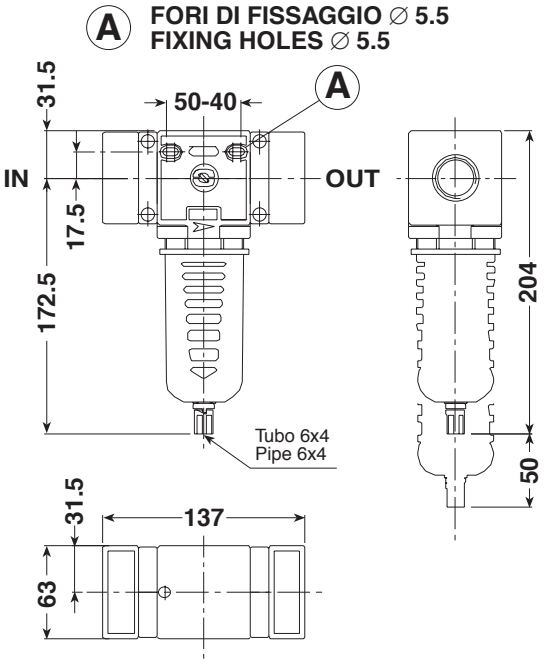
Version
R = Relieving

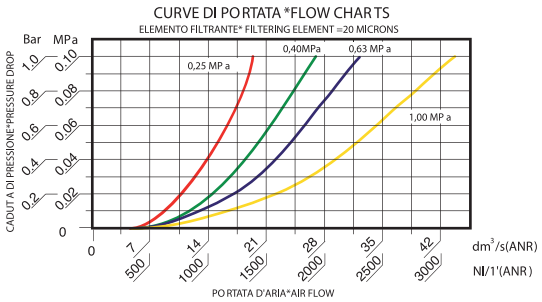
Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Line
042
050
052
075
080
095

LINE 080 3/4 | MODULAR FILTERS





GENERAL FEATURES

Modular filter delivering high degree of condensate separation and low load loss.
It can be wall mounted through the holes prearranged on the body.
Equipped with semiautomatic condensate drain as standard (SS).
Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G3/4"
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.110 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	100 cc
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,675 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.02.00001	F 3/4" 080 20 PE SS
080.02.00002	F 3/4" 080 5 PE SS
Float type automatic drain version.	
080.02.00003	F 3/4" 080 20 PE SA
080.02.00004	F 3/4" 080 5 PE SA
"Differential" automatic drain version.	
080.02.00010	F 3/4" 080 20 PE SAD
080.02.00011	F 3/4" 080 5 PE SAD

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C 80 02 00001 F 3/4" 080 20 PESS without end-caps.

GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

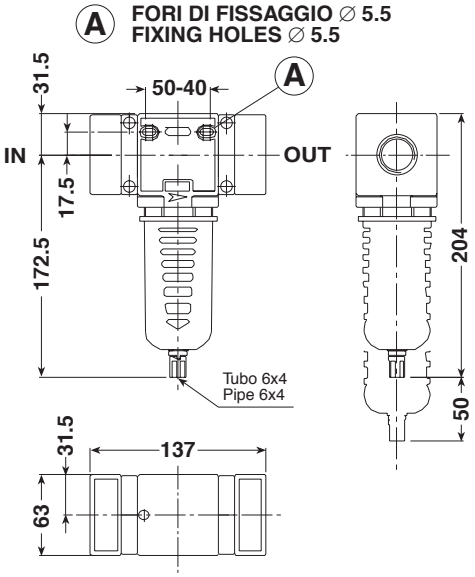
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

LINE **080 3/4** | COALESCING MICROFILTERS (OIL REMOVER)



GENERAL FEATURES

Modular filter with coalescing cartridge made from glass boro-silicate fiber providing high filtering efficiency (99,97% on 0,01 micron particles).
It is recommended to install a 5 micron filter upstream in order to allow a longer life of the coalescing cartridge.
Application: it is suitable for removing oil remnants in pneumatic circuits.
It can be wall mounted through the holes prearranged on the body.
Equipped with semiautomatic condensate drain as standard (SS).
Bowl made from hardened polyamide with outer guard.

DATI TECNICI

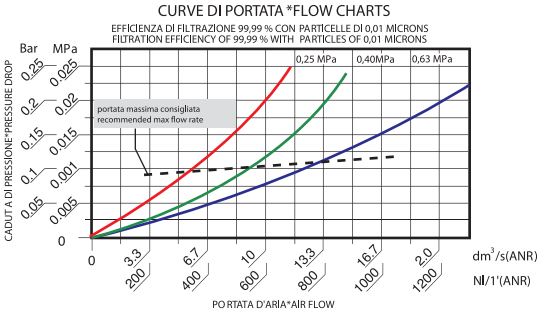
INLET-OUTLET connections	3/4"
Working pressure	0,5 – 12,5 Bar
Filtering degree	0,01 micron
Recommended max flow rate (6,3 bar)	800 Nl/min
Working temperature (a 10bar)	-5 / +50°C*
Max Torque IN OUT	3/4" 80 Nm
Weight	0,660 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.02.00301	MF 3/4" 080 0,01 PE SS
Float type automatic drain version.	
080.02.00302	MF 3/4" 080 0,01 PE SA
"Differential" automatic drain version.	
080.02.00305	MF 3/4" 080 0,01 PE SAD

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C 80.02.00301 MF 3/4 0800.01 PESS without end-caps.



GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

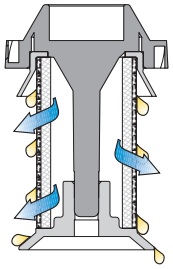
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

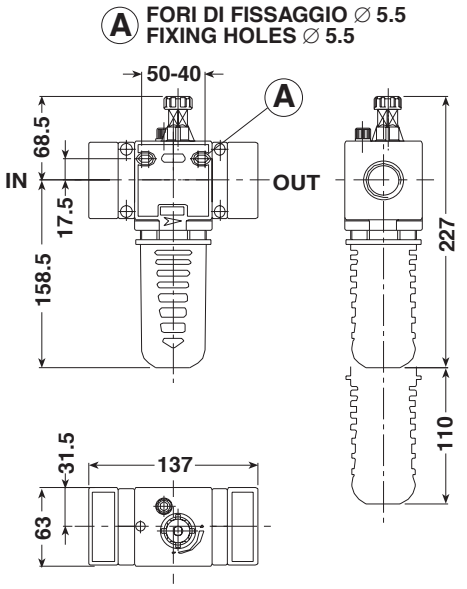
COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special high efficiency cartridge, which stops solid particles, captures and joins outside the oil particles (coalescing effect), so that they can easily fall to the bottom of the bowl and be drained outside. In doing so, the filtered air will be free from solid impurities and liquid particles.



LINE 080 3/4 | LUBRICATORS



GENERAL FEATURES

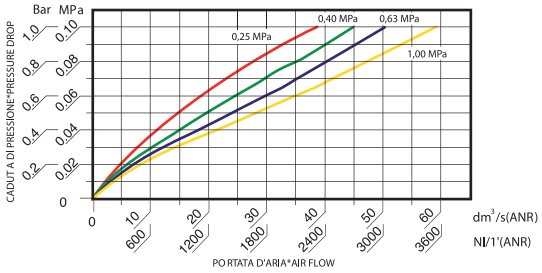
Propotional oil mist lubricator allowing a constant oil delivery over time.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
Oil filling plug.
It can be wall mounted through the holes prearranged on the body.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Maximum inlet pressure	12,5 Bar
Bowl capacity	140 cc
Viscosità dell'olio consigliata	ISO VG32
Reference flow rate	(P=10 bar P=1 bar): 3.550 Nl/min
Working temperature (a 10bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,670 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE

CODE	REF.
080.03.00001	L 3/4" 080 PE

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C 80 03 00001 L 3/4" 080 PE without end-caps.

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	**MPa**	**Bar**	**dm³/s (ANR)**	**Nl/1' (ANR)**	**SCFM**
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8

GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

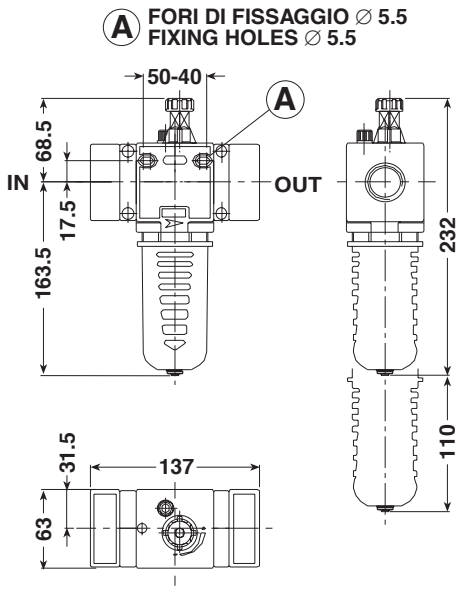
Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
- = Standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

LINE 080 3/4 | LUBRICATORS WITH LEVEL INDICATOR



GENERAL FEATURES

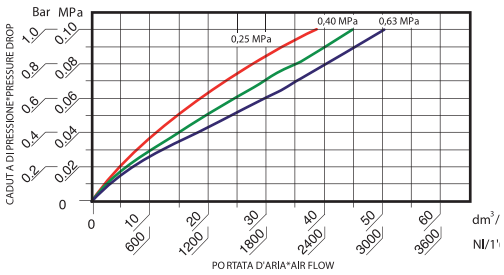
Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
It can be wall mounted through the holes prearranged on the body.
Closed bowl made from hardened polyamide, with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Maximum inlet pressure	7 Bar
Maximum voltage	100 V AC
Electric contact	0,75 A 10W Protection IP 65
Bowl capacity	132 cc
Recommended oil viscosity.	ISO VG32
Reference flow rate	(P=6,3 bar P=1 bar): 3,020 Nl/min
Working temperature (a 7 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,685 Kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE

CODE	REF.
080.03.00005	L 3/4" 080 PE IL

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C 80.03.00005 L 3/4" 080 PE IL without end-caps.

GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

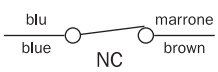
Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

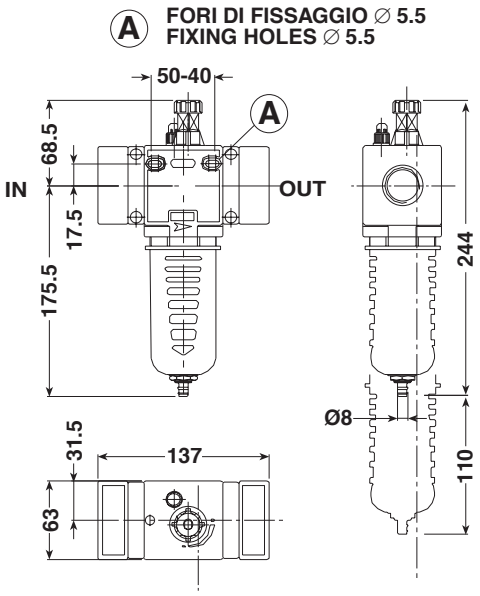
Version
- = Standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Level indicator



LINE 080 3/4 | VL VACUUM FILLING LUBRICATORS



GENERAL FEATURES

Propotional oil mist lubricator with oil filling from an external tank without interrupting the operation of the system.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
It can be wall mounted through the holes prearranged on the body.
Closed bowl made from hardened polyamide, with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Working pressure	min. 4 Bar – max 12,5 Bar
Bowl capacity	140 cc
Recommended oil viscosity	ISO VG32
Reference flow rate	(P=10 bar P=1 bar): 3.550 Nl/min
Working temperature (a 10bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,695 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

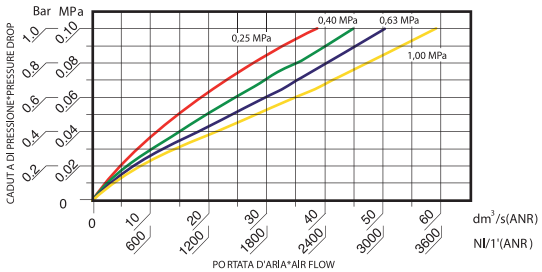
CODE	REF.
080.03.00500	L 3/4" 080 PE VL

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C 80 03 00500 L 3/4" 080PE VL without end-caps.

MINIMUM OPERATING FLOW RATE

INLET PRESSURE			MINIMUM AIR FLOW RATE		
Psi	**MPa**	**Bar**	**dm³/s (ANR)**	**Nl/1' (ANR)**	**SCFM**
36	0,25	2,50	0,25	15	0.5
58	0,40	4,00	0,30	18	0.63
91	0,63	6,30	0,38	23	0.8

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

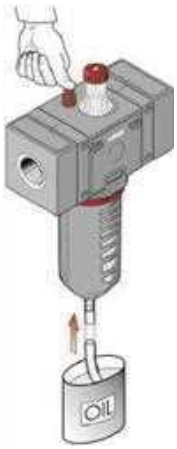
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
- = Standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

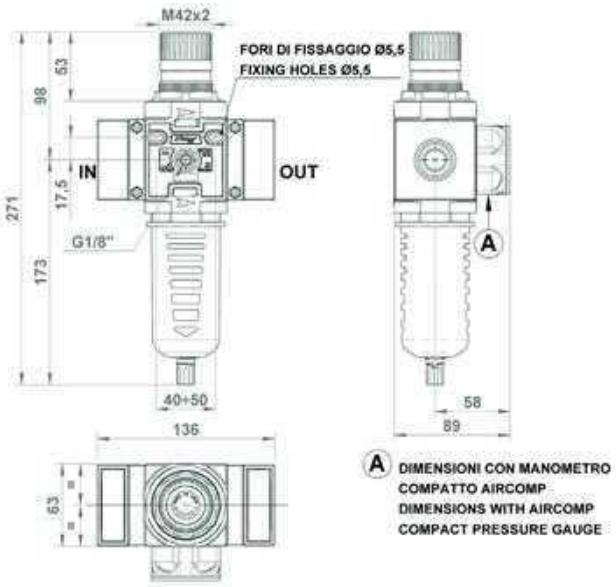
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

FUNCTIONING VL

The oil filling is achieved by pressing and holding the button at the base of the lubricator body.
The "Venturi" system causes a vacuum inside the bowl and the related oil intake.
The oil fillling is stopped only upon releasing the button.
The oil level is visually checked during the filling.
Max. suction height : 1,5 m.



LINE **080 3/4** | FILTER REGULATORS



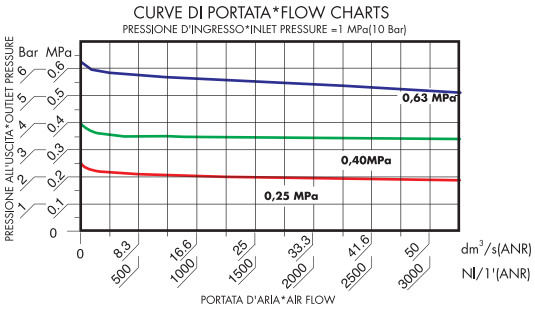
GENERAL FEATURES

High performance modular filter regulator ensuiriung big flow rate and low load loss.
Relieving for a quick exhaust of downstream overpressure.
Knob with locking pressure device.
Equipped with semiautomatic condensate drain as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree:	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) : 2.880 Nl/min
Working temperature (a 10 bar)	-5 / +50°C
Max Torque IN-OUT	3/4" 80 Nm
Bowl capacity	100 cc
Weight	0,880 Kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
080.04.00001	FR 3/4" 080 20 08 R PE SS
080.04.00003	FR 3/4" 080 20 12 R PE SS
080.04.00005	FR 3/4" 080 5 04 R PE SS
080.04.00004	FR 3/4" 080 5 08 R PE SS
080.04.00006	FR 3/4" 080 5 12 R PE S
Float type automatic drain version.	
080.04.00007	FR 3/4" 080 20 08 R PE SA
080.04.00009	FR 3/4" 080 20 12 R PE SA
"Differential" automatic drain version.	
080.04.00007	FR 3/4" 080 20 08 R PE SA
080.04.00009	FR 3/4" 080 20 12 R PE SA

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C 80 04 00001 FR 3/4" 080 20 08R PESS without end-caps.

GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product
- **FR** = Filter regulator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron

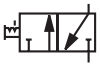
Range of pressure
- **04** = 0 - 4 Bar
- **08** = 0 - 8 Bar
- **12** = 0 - 12 Bar

Version
- **R** = Relieving

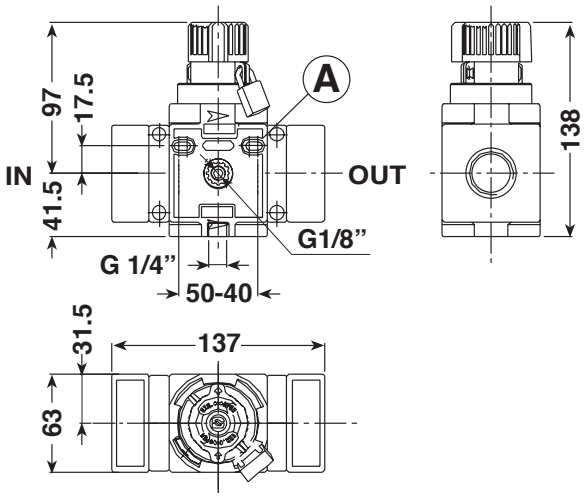
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

LINE 080 3/4 | 3-WAY VALVES WITH LOCK



Ⓐ FORI DI FISSAGGIO ∅ 5.5
FIXING HOLES ∅ 5.5



GENERAL FEATURES

The job of this 3-way on-off valve is to shut off air supply and exhaust the pressure in the downstream circuit.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations with total safety, thus avoiding the system from being accidentally pressurized.
The valve is equipped with nr. 1 lock and nr. 2 keys.

GENERAL TECHNICAL DATA

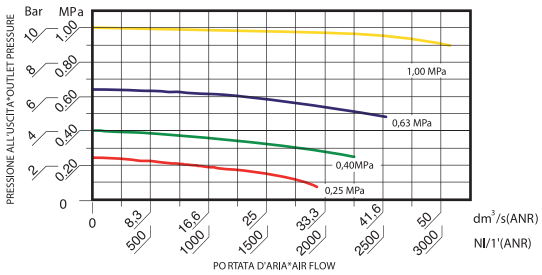
INLET-OUTLET connections	3/4"
Exhaust connection	1/4 " G
Maximum inlet pressure	12,5 Bar
Reference flow rate	(P1= 10 bar P= 1bar) : 3.075 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.850 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,700 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.25.00001	V3 3/4" 080
C80.25.00001	Kit V3 3/4" 080 no end plates

CURVE DI PORTATA *FLOW CHARTS

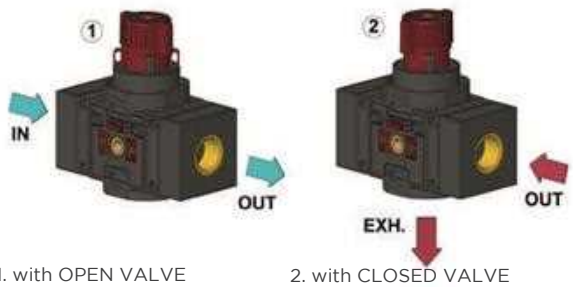


GUIDE TO REFERENCES

V 1/4" 042 3V

Product	Functioning
V = 3 way Valve	**3V** = 3 Way

Connection	Line
1/4" = G 1/4"	**042**
3/8" = G 3/8"	**050**
1/2" = G 1/2"	**052**
3/4" = G 3/4"	**075**
	080



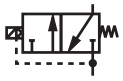
1. with OPEN VALVE

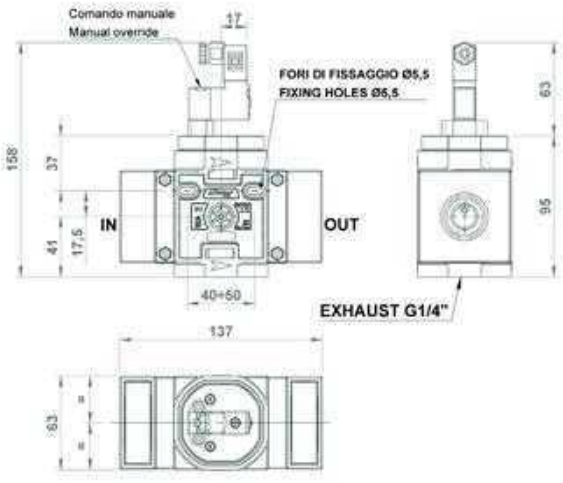
IN and OUT are in communication for an open air flow

2. with CLOSED VALVE

The inlet (IN) is closed while the outlet (OUT) is in communication with the exhaust.

LINE **080 3/4** | ELECTRICAL SHUT-OFF VALVES PILOT 15MM





GENERAL FEATURES

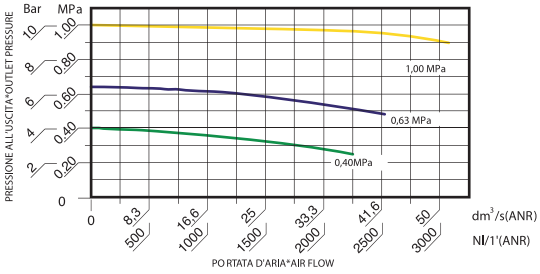
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control consolle.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

GENERAL TECHNICAL DATA

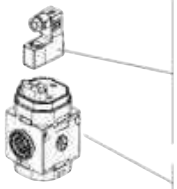
INLET-OUTLET connections	3/4"
Exhaust connection	1/4 " G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate	(P1= 10 bar Δ P= 1 Bar) : 3.075 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.850 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Electric pilot	3/2 NC 15 mm (Microsol type)
Available voltage	24VDC (2,5W); 24VAC; 110VAC; 220VAC (3VA)
Weight	0,700 Kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE



CODE	REF.
C50.26.00002	KIT C. ELECTR. 3/2 NC 2,5W 24V DC MICROSOL
C50.26.00003	KIT C. ELECTR. 3/2 NC 3VA 24V AC MICROSOL
C50.26.00004	KIT C. ELECTR. 3/2 NC 3VA 110V AC MICROSOL
C50.26.00005	KIT C. ELECTR. 3/2 NC 3VA 220V AC MICROSOL
080.26.00002	SV 3/4" 080 PRED. C. ELECTR MICROSOL/ PNEUM

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C 80 26 00002 SV 3/4" without end-caps.

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

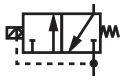
Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

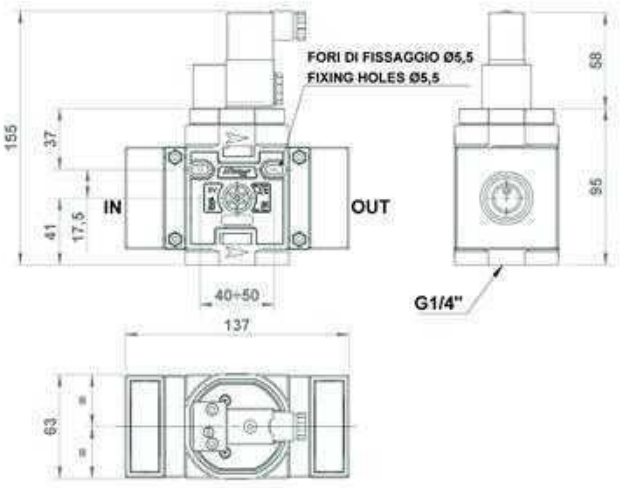
Version
15MM = Solenoid pilot 15 mm
CNOM = Electric controlC-NOMO
PNEU = Pneumatic

1. with actuated pilot, the SV is open (IN-OUT communication)

2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

LINE 080 3/4 | ELECTRICAL SHUT-OFF VALVES CNOMO





GENERAL FEATURES

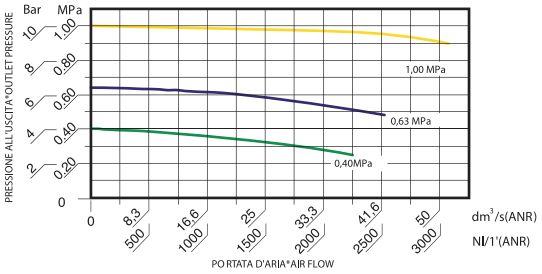
The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The electrical model is often connected to ON-OFF switches or emergency mushrooms on the control consolle.
Application: it can be used singularly or, more commonly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing circuits in any emergency situation.

GENERAL TECHNICAL DATA

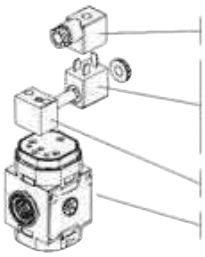
INLET-OUTLET connections	3/4"
Exhaust connection	1/4 " G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate	(P1= 10 bar Δ P= 1 Bar) : 3.075 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.850 Nl/min
Working temperature (a 10 bar)	-5 / +50°C *
Max Torque IN-OUT	3/4" 80 Nm
Electric pilot	3/2 NC (tipo CNOMO) for coil 22mm
Available voltage	24VDC (3W); 24VAC; 110VAC; 220VAC (5VA)
Weight	0,700 Kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE



CODE	REF.
A50.26.00010	CONN. CNOMO
A50.26.00006	SOL. 3W 24V DC
A50.26.00007	SOL. 5VA 24V AC
A50.26.00008	SOL. 5VA 110V AC
A50.26.00009	SOL. 5VA 220V AC
C50.26.00006	C.ELECTR EV 3/2 NC CNOMO
080.26.00001	SV 3/4" 080 PRED. C. ELECTR. CNOMO

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C80 26 00001 SV 3/4" without end-caps.

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
- **SV** = Shut-off valve

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"

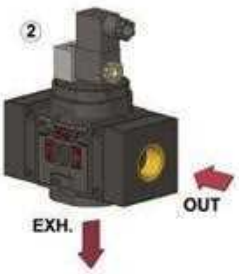
Line
- **042**
- **050**
- **052**
- **075**
- **080**

Voltage
- **12 VDC**
- **24 VDC**
- **24 VAC**
- **110 VAC**
- **220 AC**

Version

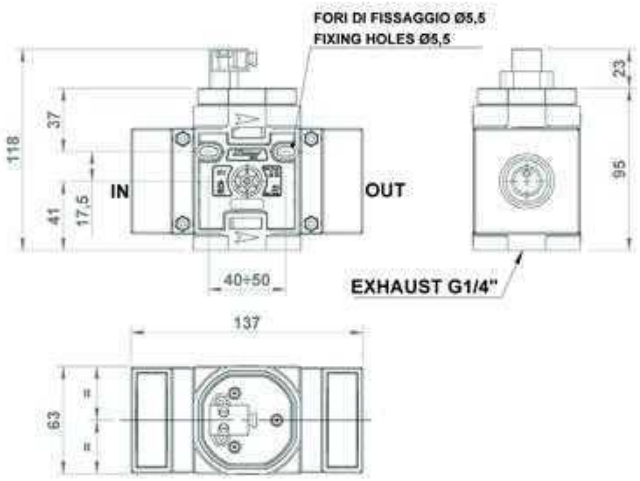
15MM	= Solenoid pilot 15 mm
CNOM	= Electric controlC-NOMO
PNEU	= Pneumatic

1. with actuated pilot, the SV is open (IN-OUT communication)



2. with non-actuated pilot, the SV is closed (IN closed / OUT exhausting)

LINE **080 3/4** | PNEUMATIC SHUT-OFF VALVES



GENERAL FEATURES

The job of the shut-off valve is to close the air supply and exhaust the pressure in the downstream circuit.
The pneumatic model is actauted through a pneumatic piloting operated by selectors or by mushroom actuators present on the control consolle.
Application: it can be used singularly or, more commnly, assembled in battery set. It is actuated for carrying out maintenance operations or for depressurizing the circuit in any emergency situation.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Exhaust connection	1/4 " G
Maximum inlet pressure	10 Bar
Minimum working pressure	3 Bar
Reference flow rate	(P1= 10 bar Δ P= 1 Bar) : 3.075 Nl/min
Exhaust flow rate (at 10 bar in open air)	1.850 Nl/min
Working temperature (a 10 bar)	-5 / +50°C *
Max Torque IN-OUT	3/4" 80 Nm
Pneumatic connection	push-in fitting D. 4mm
Weight	0,700 Kg

Below 3°C the air of the circuit must be free from humidity

GUIDE TO REFERENCES

SV 1/4" 042 15MM 24VDC

Product
SV = Shut-off valve

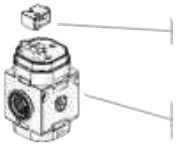
Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

Line
042
050
052
075
080

Voltage
12 VDC
24 VDC
24 VAC
110 VAC
220 AC

Version
15MM = Solenoid pilot 15 mm
CNOM = Electric controlC-NOMO
PNEU = Pneumatic

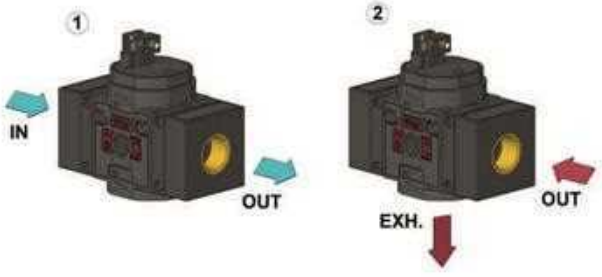
ORDERING CODE



CODE	REF.
C40.26.00014	KIT C. PNEUM.
080.26.00002	SV 3/4" 080 PRED. C. ELECTR. MICROSOL/ PNEUM

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C 80.26.00002 SV 1/4" without end-caps.

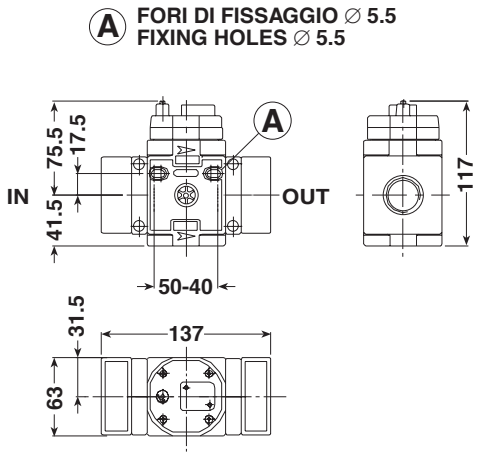
FUNCTIONING



1) when the SV is pressurized, it is open (IN-OUT communication)

2) when the SV is depressurized, it is closed (IN closed / OUT exhausting)

LINE 080 3/4 | SLOW-START VALVES



GENERAL FEATURES

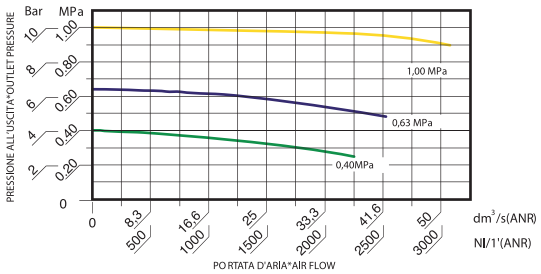
The job of the slow-start valve is to gradually pressurize the pneumatic system upon switching it on.
The gradual pressurization takes place until about 60% of the supply pressure is reached.
The pressurization time can be adjusted through the speed controller positioned in the upper part of the body.
Application: it can be singularly used, or, more commonly, assembled with the shut-off valve. The AVP avoids any dangerous pressure surge, that may be caused by quickly supplying the system to the working pressure.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G3/4"
Working pressure	min. 3 Bar - max 10 Bar
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.075 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	0,715 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE

CODE	REF.
080.27.00001	AVP 3/4" 080 PN Autonom.

Unit WITHOUT END-CAP, to be assembled in battery set. Replace the first digit of the part nr. with "C".
Example: C 80 27 00001 AVP 3/4" without end-caps.

GUIDE TO REFERENCES

AVP 1/4" 042 PN

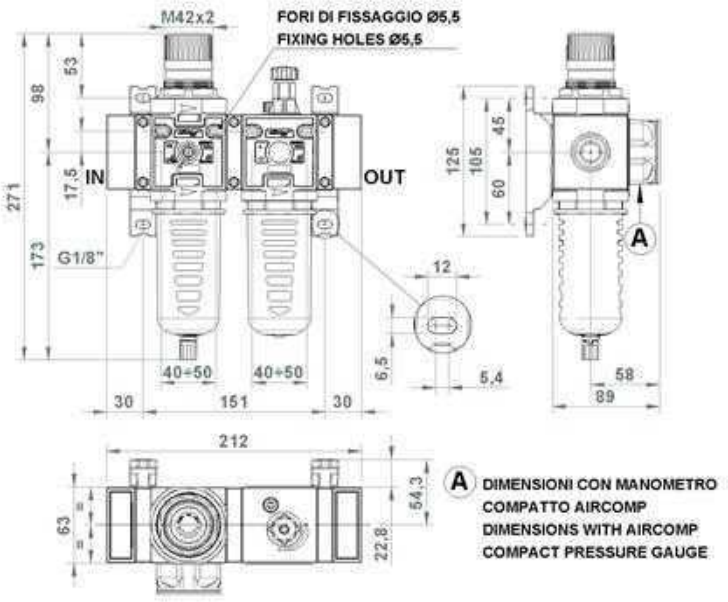
Product
AVP = Slow-start valve

Functioning
PN = Pneumatic

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"

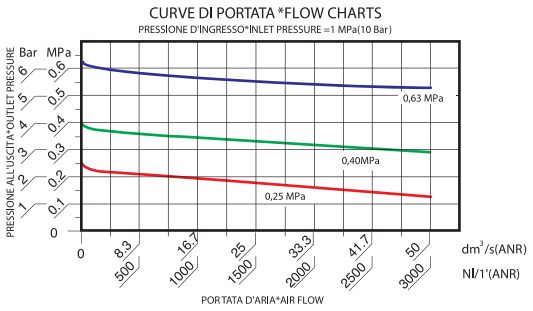
Line
042
050
052
075
080

LINE **080 3/4** | FR+L UNITS



GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.
It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.
Unit featuring big flow rate and regualtion sensitivity, filtration and high condensate separation.
Semiautomatic condensate drain supplied as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.



GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree:	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) :2.200 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Max tourque gauge port	10 Nm
Weight	1,28 Kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.06.00001	FR+L 3/4" 080 20 08 R PE SS
080.06.00003	FR+L 3/4" 080 20 12 R PE SS
080.06.00005	FR+L 3/4" 080 5 04 R PE SS
080.06.00004	FR+L 3/4" 080 5 08 R PE SS
080.06.00006	FR+L 3/4" 080 5 12 R PE SS
080.06.00501	FR+L 3/4" 080 20 08 R PE SS VL
080.06.00505	FR+L 3/4" 080 20 12 R PE SS VL
Float type automatic drain version.	
080.06.00007	FR+L 3/4" 080 20 08 R PE SA
080.06.00009	FR+L 3/4" 080 20 12 R PE SA
"Differential" automatic drain version.	
080.06.00028	FR+L 3/4" 080 20 08 R PE SAD
080.06.00029	FR+L 3/4" 080 20 12 R PE SAD

GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

Product
FR+L = Filter regulator + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

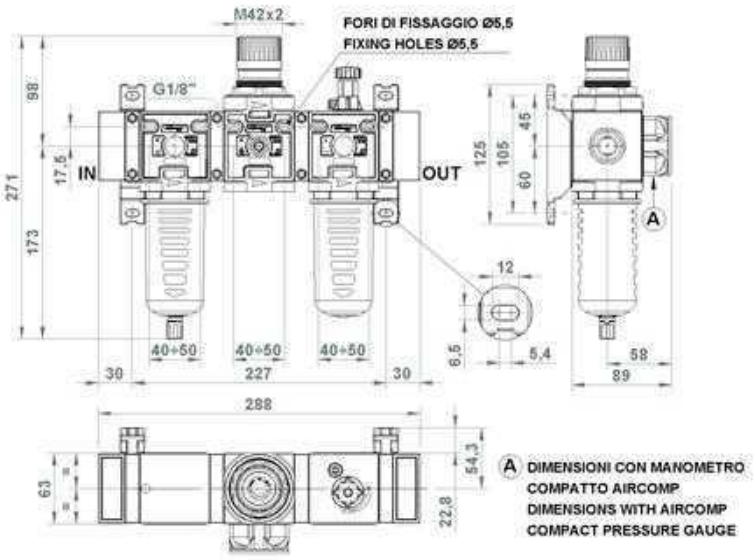
Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Version
R = Relieving

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

LINE 080 3/4 | F+R+L UNITS



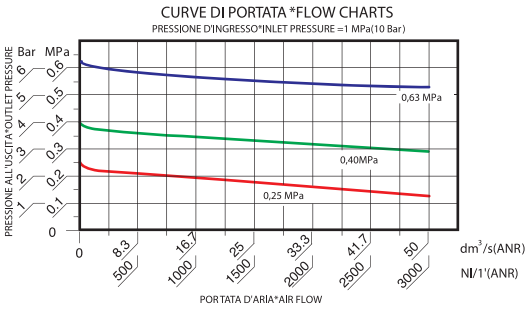
GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator.
It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.
Unit featuring big flow rate and regualtion sensitivity, filtration and high condensate separation.
Semiautomatic condensate drain supplied as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree:	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) : 2.200 Nl/min
Working temperature (a 10 bar)	: -5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Max tourque gauge port	10 Nm
Weight	1,57 Kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
080.05.00001	F+R+L 3/4" 080 20 08 R PE SS
080.05.00003	F+R+L 3/4" 080 20 12 R PE SS
080.05.00005	F+R+L 3/4" 080 5 04 R PE SS
080.05.00004	F+R+L 3/4" 080 5 08 R PE SS
080.05.00006	F+R+L 3/4" 080 5 12 R PE SS
080.05.00501	F+R+L 3/4" 080 20 08 R PE SS VL
080.05.00505	F+R+L 3/4" 080 20 12 R PE SS VL
Float type automatic drain version.	
080.08.00007	F+R+L 3/4" 080 20 08 R PE SA
080.05.00009	F+R+L 3/4" 080 20 12 R PE SA
"Differential" automatic drain version.	
080.05.00026	F+R+L 3/4" 080 20 08 R PE SAD
080.05.00027	F+R+L 3/4" 080 20 12 R PE SAD

GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

Product
F+R+L = Filter + Regulator + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

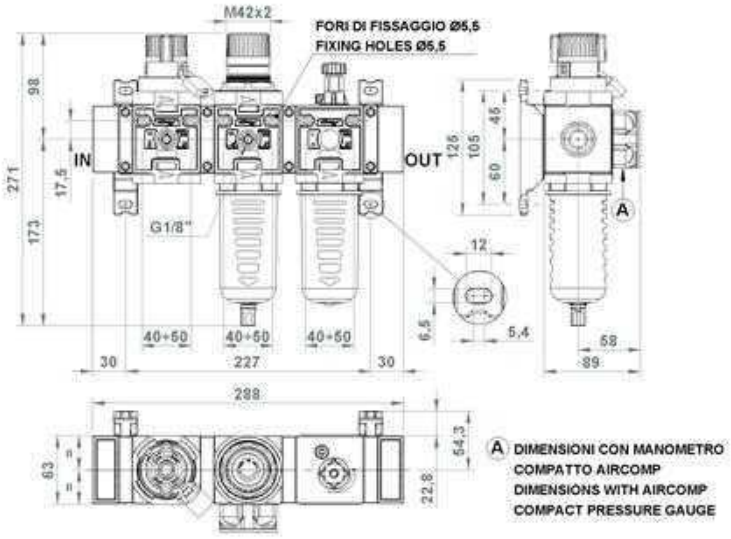
Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

LINE **080 3/4** | V3+FR+L UNITS



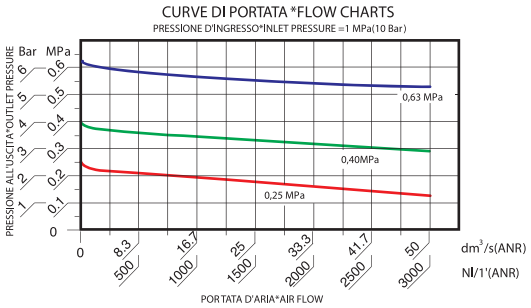
GENERAL FEATURES

Unit consisting of 3-way Valve (V3) + Filter regulator (FR) + Lubricator (L).
It combines the function of shutting-off the system along with the filtration, pressure regulation and lubrication of compressed air for industrial applications.
Lockable V3 valve for greater safety during maintenance operations.
It is equipped with semiautomatic drain as standard (SS).
Available options:float type automatic drain (SA) and differential (SAD), which can discharge to the outside the condensate even when the bowl is pressurized.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) :2.200 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Max tourque gauge port	10 Nm
Weight	2,00 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
080.36.00001	V3+FR+L 3/4" 080 20 08 R PE SS
080.36.00003	V3+FR+L 3/4" 080 20 12 R PE SS
080.36.00005	V3+FR+L 3/4" 080 5 04 R PE SS
080.36.00004	V3+FR+L 3/4" 080 5 08 R PE SS
080.36.00006	V3+FR+L 3/4" 080 5 12 R PE SS
080.36.00501	V3+FR+L 3/4" 080 20 08 R PE SS VL
080.36.00505	V3+FR+L 3/4" 080 20 12 R PE SS VL
Float type automatic drain version.	
080.36.00007	V3+FR+L 3/4" 080 20 08 R PE SA
080.36.00009	V3+FR+L 3/4" 080 20 12 R PE SA
"Differential" automatic drain version.	
080.36.00013	V3+FR+L 3/4" 080 20 08 R PE SAD
080.36.00014	V3+FR+L 3/4" 080 20 12 R PE SAD

GUIDE TO REFERENCES

V3+FR+L 1/4" 042 20 08 R PE SS

Product
V3+FR+L = V3 + Filter regulator + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

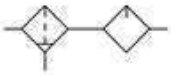
Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

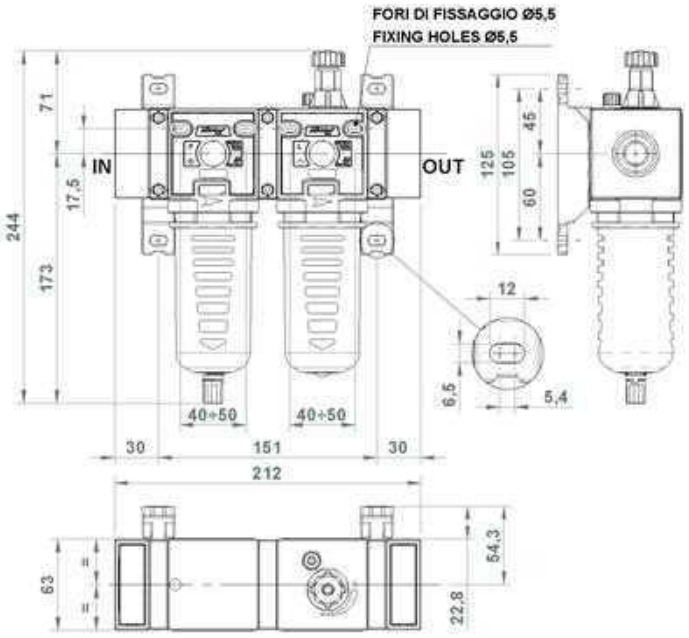
Version
R = Relieving

Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

LINE 080 3/4 | F + L UNITS





GENERAL FEATURES

Unit consisting of Filter and Lubricator.
It combines the functions of filtration and lubrication of compressed air for industrial applications.
Proportional oil mist lubricator ensuring a constant oil delivery over time.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	3/4"
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate (P1= 10 bar ΔP= 1 bar)	3.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Recommended oil viscosity	ISO VG32
Weight	1,07 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.07.00001	F+L 3/4" 080 20 PE SS
080.07.00002	F+L 3/4" 080 5 PE SS
080.07.00501	F+L 3/4" 080 20 PE SS VL
Float type automatic drain version.	
080.07.00004	F+L 3/4" 080 5 PE SA
080.07.00003	F+L 3/4" 080 20 PE SA
080.07.00511	F+L 3/4" 080 20 PE SA VL
"Differential" automatic drain version.	
080.07.00005	F+L 3/4" 080 20 PE SAD
080.07.00006	F+L 3/4" 080 5 PE SAD

GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product
- **F+L** = Filter + Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

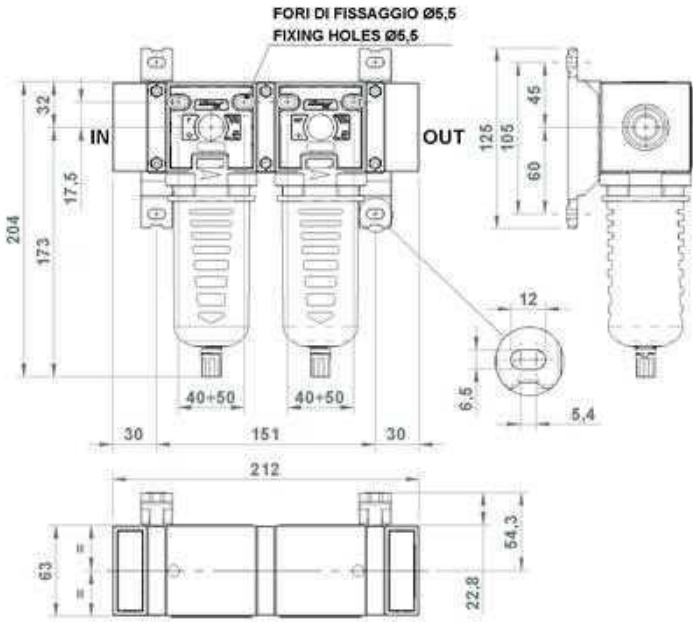
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

LINE **080 3/4** | F + MF UNITS



GENERAL FEATURES

Filtration set combining Filter with high condensate separation and coalescing Microfilter.
The job of the unit is to filter solid particles and separate condensate with the Filter in combination with the coalescing function of the Microfilter.
It is equipped with semiautomatic drain as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	G3/4"
Working pressure	0,5 – 12,5 Bar
Drain working pressure	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree Filter	5 micron
Filtering degree Microfilter	0,01 micron
Recommended max flow rate (P1= 10 bar ΔP= 1 bar)	800 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	3/4" 80 Nm
Weight	1,070 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
080.09.00001	F 3/4" 080 5 PE SS+MF 3/4" 080 0,01 PE SS
Float type automatic drain version.	
080.09.00002	F 3/4" 080 5 PE SS+MF 3/4" 080 0,01 PE SA
"Differential" automatic drain version.	
080.09.00003	F 3/4" 080 5 PE SS+MF 3/4" 080 0,01 PE SAD

GUIDE TO REFERENCES

F + MF **1/4"** **042** **5** **PE** **SS**

Product
- **F + MF** = Filter + Microfilter

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"

Line
- **042**
- **050**
- **052**
- **075**
- **080**

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

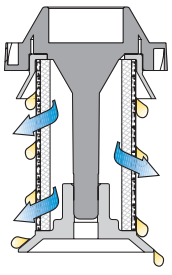
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron

COALESCENT CARTRIDGE

FUNCTIONING

The air with impurity enter into the special cartridge with high efficiency, that stop solid particles, capture and join outside particles of oil and condensate (coalescent effect). In this way, they easily fall down at the bottom of the bowl, where condensate is discharged. Filtered air obtained is without solid and liquid parts.

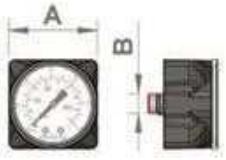


LINE 080 3/4 | ACCESSORIES

GAUGE

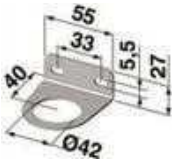
CODE	Bar	Psi	A	B	CH.
A75.01.00010	0-12	0-175	50	G1/8"	14
A75.01.00011	0-6	0-85	50	G1/8"	14

COMPACT GAUGE



CODE	Bar	Psi	A	B
A750100045	0-12	0-175	50	G1/8"

BRACKET

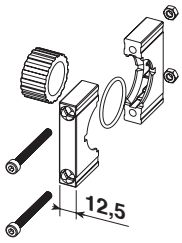


CODE
C75.01.00018

"T" BRACKET KIT LINE 075 – 080

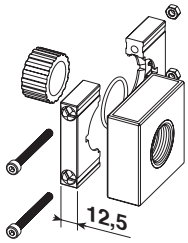
CODE
C75.06.00011

KIT ASSEMBLING UNITS



CODE	PROD.
C80.05.00004	F+R+L
C80.06.00004	FR+L - F+L

INLET-OUTLET KIT



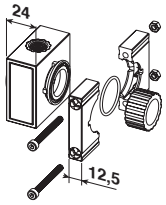
CODE	CONNECTION	VERSION
C80.05.00002	3/4"	INPUT
C80.05.00003	3/4"	OUTPUT

PLUG G1/8"

CODE	PROD.
B38.00.00018	MR - MR P

LINE **080 3/4** | ACCESSORIES

AIR TAKEOFF



CODE	CONNECTION	PROD.
C80.06.00005	1/4"	tutti / all

PRESSURE SWITCH

CODE	REF.
A50.06.00005	AP1-3-02-03-G

AUTOMATIC DRAIN

CODE	PROD.
C40.02.00130 SA	F - FR - MF
C42.02.00012 SAD	F - FR - MF

MOUNTING KIT FOR AUTOMATIC DRAIN

CODE	PROD.
C40.02.00131	SA - SAD

LINE 080 3/4 | SPARE PARTS

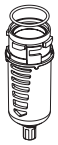
DIAPHRAGM KIT

CODE	PRODUCT	VERSION
C75.01.00023	R - FR	RELIEVING

REGULATION SPRING

CODE	PRODUCT	SET REGULATION
A75.01.00030	R - FR	0÷4 Bar
A75.01.00031	R - FR	0÷8 Bar
A75.01.00032	R - FR	0÷12 Bar

BOWL FOR FILTER

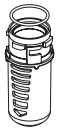


CODE	PRODUCT	VERSION
C75.02.00022	F - FR - MF	PE SS

BOWL WITH AUTOMATIC DRAIN

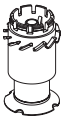
CODE	PRODUCT	VERSION
C75.02.00026	F - FR - MF	PE SA
C75.02.00103	F - FR - MF	PE SAD

BOWL FOR LUBRICATOR



CODE	PRODUCT	VERSION
C75.03.00022	IL	PE
C75.13.01000	VL	PE
C75.03.00075	IL	PE

FILTERING ELEMENT



CODE	PRODUCT	VERSION
C75.02.00059	F	20 MICRON
C75.02.00064	FR	20 MICRON
C75.02.00063	F	5 MICRON
C75.02.00065	FR	5 MICRON
C75.02.00061	MF	0,1 MICRON

OIL WINDOW

CODE	PRODUCT
C75.03.00018	L

OIL PLUG WITH OR 2031

CODE	PRODUCT
C75.03.00073	L

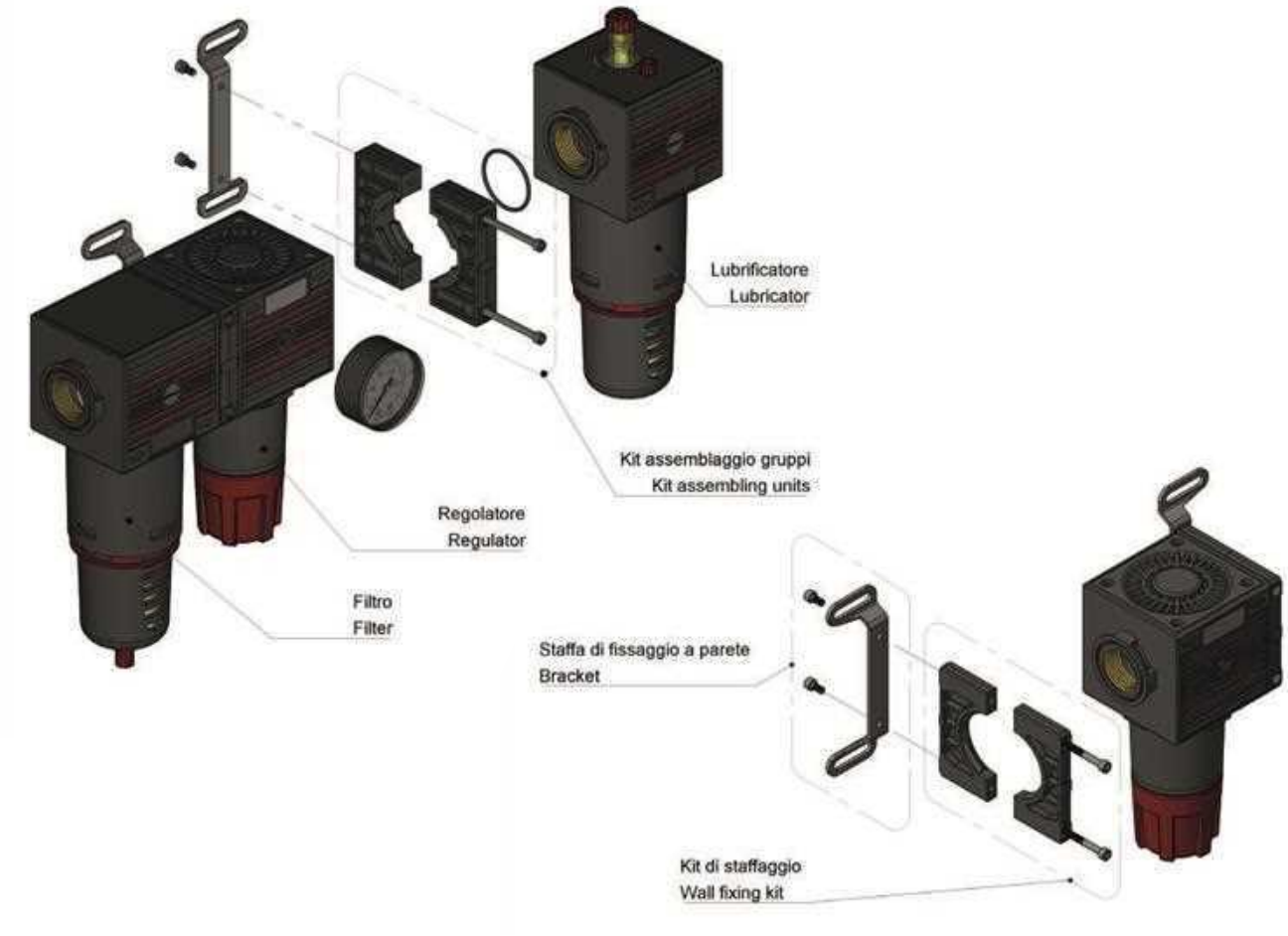
LINE **095 1"** | MODULAR UNITS

GENERAL FEATURES

Units Line 095 - 1" have been designed for delivering big flow rate with low load loss.
The modular concept allows obtaining a particular compactness also for these units featuring high performance.
The available modules for this Line are:
Filter
Regulator
Filter Regulator
Lubricator
FR+L
F+R+L
F+L

GENERAL TECHNICAL DATA

Fluid	compressed air
Working temperature (a 10 bar):	-5 / +50°C*
Connections IN-OUT	1" G
Assembling type	Assembling kit
Mounting position	see singol components
Wall fixing	through wall fixing kit



LINE 095 1" | MODULAR UNITS

CONDENSATE DRAIN

The condensate building up within the pneumatic systems is oftern causing malfunctioning and expensive extraordinary maintenance. Therefore, it is of utmost importance providing a good separation operated by the filter and an effective drainage to the ouside, in order to avoid an excessive piling up. Aircomp offers the opportunity to equip the filters with different types of condensate drain according to the system requirements.

SEMIAUTOMATIC DRAIN (SS)

Semiautomatic drain is supplied as standard on all Aircomp Lines.
The standard drain closes when the bowl is pressurized (min. P 0,5 bar) and opens discharging the condensate whenever the unit is depressurized.
The drain can be manually set to always "closed" modality (closed both when the bowl is pressurized and depressurized).

FLOAT TYPE AUTOMATIC DRAIN (SA)

Float type automatic drain opens even when the bowl is pressurized upon reaching a set condensate level. The excess condensate is discharged to the outside and can be conveyed connecting a drainage hose to the duct.

DIFFERENTIAL AUTOMATIC DRAIN (SAD)

Differential automatic drain opens even when the bowl is pressurized but only when there is air consumption (min. delta P = 92 bar) and upon reaching a set condensate level. The excess condensate is discharged to the outside. It is possible to connect a drainage hose to the duct.

OPEN 1/8 CONNECTION (S18)

The seat with female thread 1/8 , available upon request, allows the connection to alternative remote open/close systems, such as exhaust solenoid valves. It is available also with locking pin with "manual drain" function.

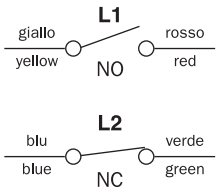
LEVEL INDICATOR IN THE LUBRICATOR

The Lubricator can be purchased also in the version with level indicator.
The IL version indicates the reaching of the minimum level for being able to carry out the filling operation through the plug on the filter body.
The IM version instead indicates the minimum and the maximum level.
This allows having a signal both when the lubricant is used up and when the maximum level during the filling phase is reached.

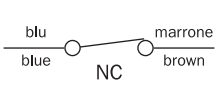
For further information, please see the datasheet of the Lubricator with level indicator.

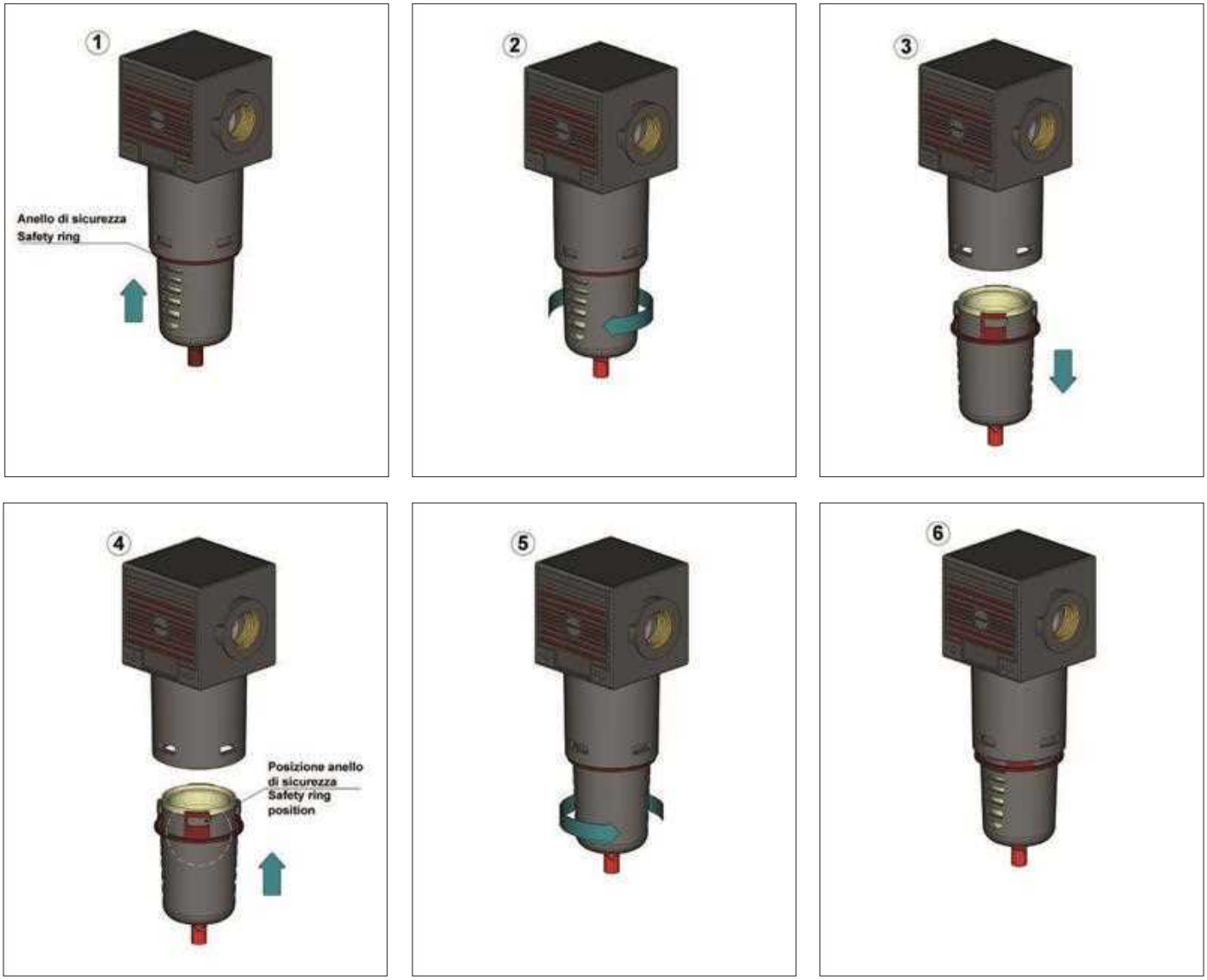
LEVEL INDICATOR

IM version



IL version





BOWL SAFETY RING

Bowls of Line 050, 052, 075, 080 and 095 are designed for a clip-on mounting, which enables the quick assembling and disassembling.
All the bowl are equipped with a particular safety ring in order to prevent the accidental disassembly when the unit is pressurized.
For disassembling the bowl, it is actually necessary carrying out three movements in a sequence:
1. Lifting the safety ring Pic. 1
2. Turning the bowl clockwise Pic. 2
3. Lowering the bowl Pic. 3

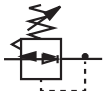
It is not possible to disassemble the bowl when the safety ring is lowered.
Movements 1. and 2., to be executed in a sequence, increase the operator's attention on the intervention he is carrying out.

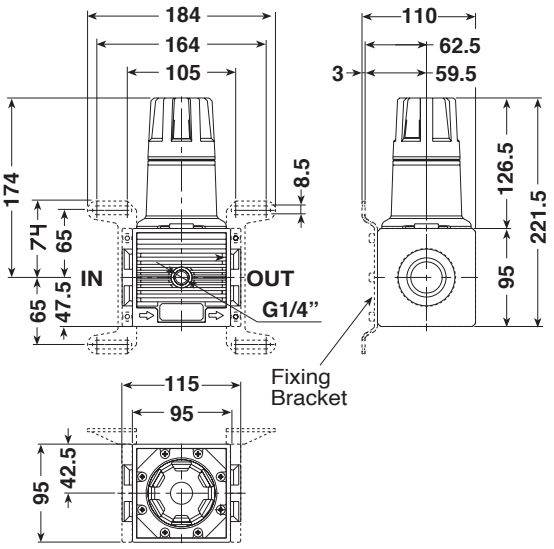
Attention: the disassembling of the bowl must always be executed when the unit is depressurized.

The bowl reassembling can be easily executed following these steps:

4. Check that the safety ring is in its coorrect position (on the clamping tooth) as in Pic. 4
5. Fit the bowl into the body seat and lock it turning anticlockwise Pic. 5
6. Make sure that the safety ring is brought back to the correct position Pic. 6

LINE **095 1"** | MODULAR REGULATORS





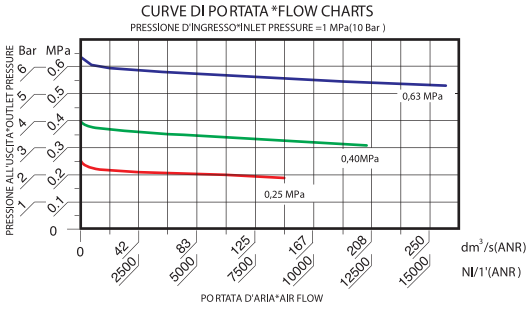
GENERAL FEATURES

Modular Regulator with balanced valve ensuring high performance and low load loss.
Relieving for a quick exhaust of the downstream overpressure.
Knob with locking pressure device.
Equipped with nr. 1 plug.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Reference flow rate (P1= 6,3 bar P= 1bar)	15.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Max tourque gauge port	10 Nm
Weight:	1,721 Kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
095.01.00002	R 1" 095 04 R
095.01.00001	R 1" 095 08 R
095.01.00003	R 1" 095 012 R

GUIDE TO REFERENCES

R 1/4" 042 08 R

Product
- **R** = Regulator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
- **R** = Relieving

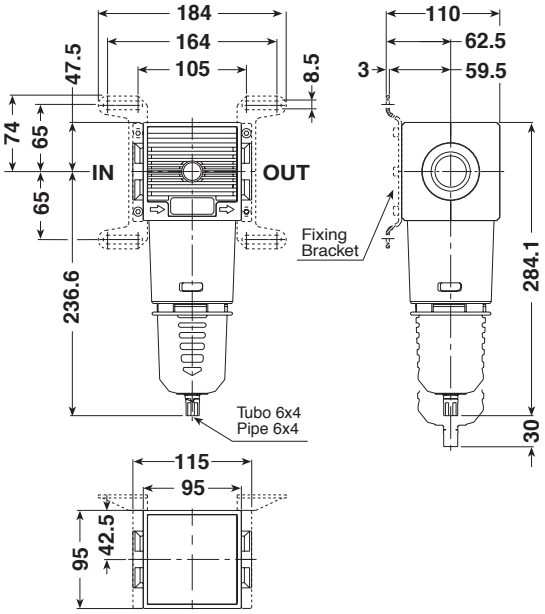
Range of pressure
- **04** = 0 - 4 Bar
- **08** = 0 - 8 Bar
- **12** = 0 - 12 Bar

WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

095.01.M0002 R 1" 095 04 R + GAUGE

LINE **095 1"** | MODULAR FILTERS



GENERAL FEATURES

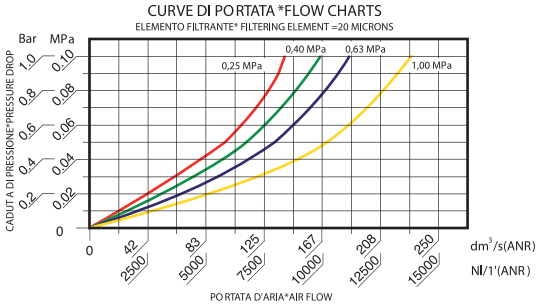
Modular filter delivering high degree of condensate separation and low load loss.
It can be wall mounted through the relevant wall fixing kit.
Equipped with semiautomatic condensate drain as standard (SS).
Available options: float type automatic drain (SA) and differential (SAD), which can convey condensate to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 10 bar P= 1bar) : 13.800 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Bowl capacity	200 cc
Max Torque IN-OUT	1" 80 Nm
Weight	1,212 Kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE

CODE	REF.
095.02.00001	F 1" 095 20 PE SS
095.02.00002	F 1" 095 5 PE SS
Float type automatic drain version.	
095.02.00003	F 1" 095 20 PE SA
095.02.00004	F 1" 095 5 PE SA
"Differential" automatic drain version.	
095.02.00007	F 1" 095 20 PE SAD
095.02.00008	F 1" 095 5 PE SAD

GUIDE TO REFERENCES

F 1/4" 042 20 PE SS

Product
- **F** = Filter
- **MF** = Microfilter
- **CF** = Activated carbon

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

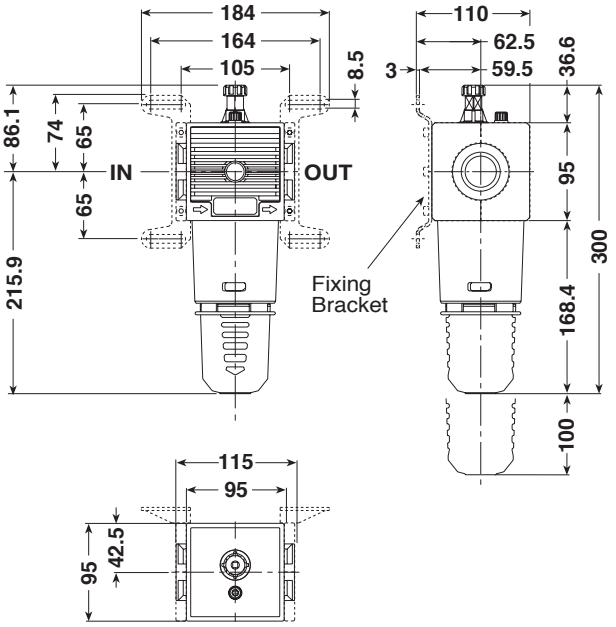
Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron
- **0,01** = 0,01 micron
- **CA** = Activated carbon

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

LINE 095 1" | LUBRICATORS



GENERAL FEATURES

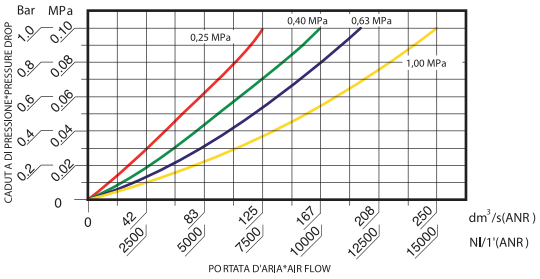
Propotional oil mist lubricator allowing a constant oil delivery over time.
Oil suction even under low flow rate with high sensitivity in the lubricant adjustment.
Oil filling plug.
It can be wall mounted through the relevant wall fixing kit.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Maximum inlet pressure	12,5 Bar
Bowl capacity	440 cc
Recommended oil viscosity	ISO VG32
Reference flow rate	(P=10 bar P=1 bar) 15.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Weight	1,194 kg

Below 3°C the air of the circuit must be free from humidity

CURVE DI PORTATA *FLOW CHARTS



ORDERING CODE

CODE	REF.
095.03.00001	L 1" 095 PE

GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

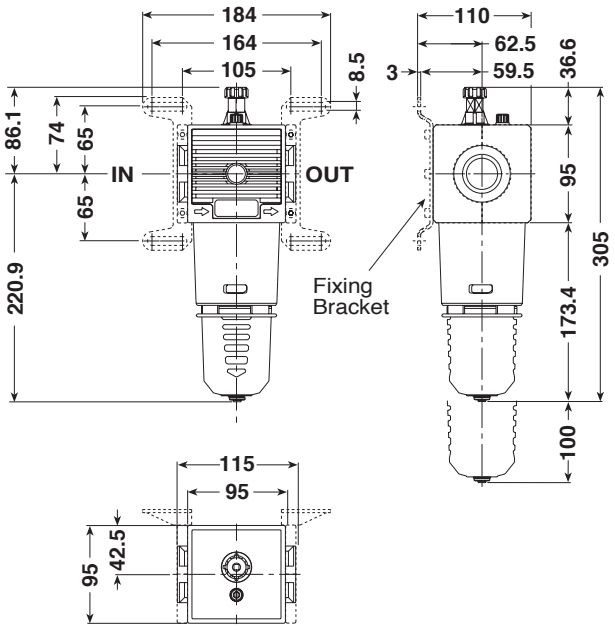
Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
- = Standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

LINE **095 1"** | LUBRICATORS WITH LEVEL INDICATOR



GENERAL FEATURES

Lubricator equipped with float type level indicator, emitting an electric signal able to control light indicators or acoustic alarms upon reaching the minimum level.
The Lubricator is available in 2 versions:
IL - with level indicator emitting a signal when the minimum level is reached
IM - with indicator emitting a signal when both the minimum and maximum level are reched.
It can be wall mounted through the relevant wall fixing kit.

GENERAL TECHNICAL DATA

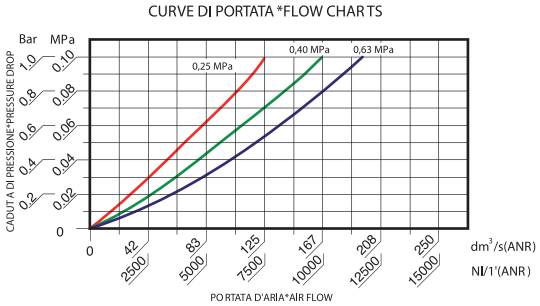
INLET-OUTLET connections	1"
Maximum inlet pressure	7 Bar
Maximum voltage	100 V AC
Electric contact	0,75 A 10W Protection IP 65
Bowl capacity	440 cc
Recommended oil viscosity	ISO VG32
Reference flow rate	(P=6,3 bar P=1 bar) 11.800 Nl/min
Working temperature (a 7 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Weight	1,194 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.03.00002	L 1" 095 PE IL
095.03.00003	L 1" 095 PE IM

CURVE DI PORTATA *FLOW CHARTS



GUIDE TO REFERENCES

L 1/4" 042 PE

Product
- **L** = Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Version
- = Standard
- **VL** = Vacuum filling
- **IL** = Min Level indicator
- **IM** = Max/Min Level indicator (Line 095 only)

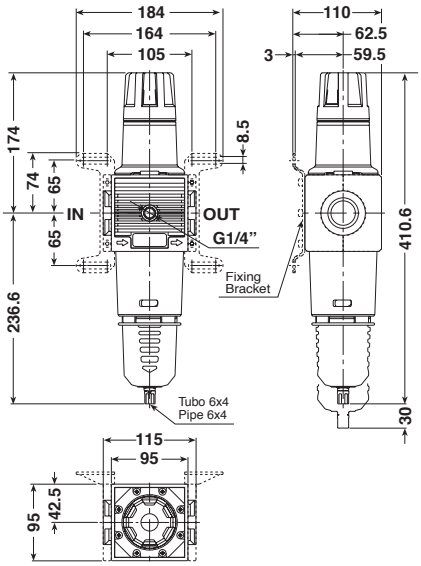
Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

LEVEL INDICATOR

IM version

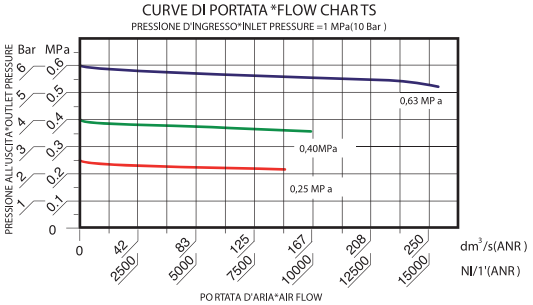
IL version

LINE 095 1" | FILTER REGULATORS



GENERAL FEATURES

High performance modular filter regulator ensuring big flow rate and low load loss.
Relieving for a quick exhaust of the downstream overpressure.
Knob with locking pressure device.
Equipped with semiautomatic condensate drain as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.



GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) :13.800 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Max tourque gauge port	10 Nm
Bowl capacity	200 cc
Weight	2,060 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.04.00002	FR 1" 095 20 04 R PE SS
095.04.00001	FR 1" 095 20 08 R PE SS
095.04.00003	FR 1" 095 20 12 R PE SS
095.04.00005	FR 1" 095 5 04 R PE SS
095.04.00004	FR 1" 095 5 08 R PE SS
095.04.00006	FR 1" 095 5 12 R PE SS
Float type automatic drain version.	
095.04.00007	FR 1" 095 20 08 R PE SA
095.04.00009	FR 1" 095 20 12 R PE SA
"Differential" automatic drain version.	
095.04.00014	FR 1" 095 20 08 R PE SAD
095.04.00015	FR 1" 095 20 12 R PE SAD
095.04.00016	FR 1" 095 5 08 R PE SAD
095.04.00017	FR 1" 095 5 12 R PE SAD

GUIDE TO REFERENCES

FR 1/4" 042 20 08 R PE SS

Product
FR = Filter regulator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

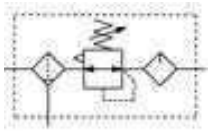
Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

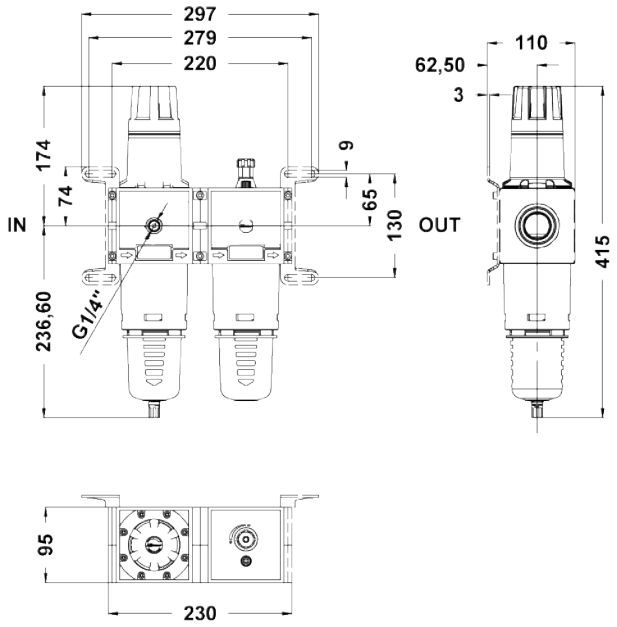
WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

095.04.M0002 FR 1" 095 20 04 R PE SS + GAUGE

LINE **095 1"** | FR+L UNITS





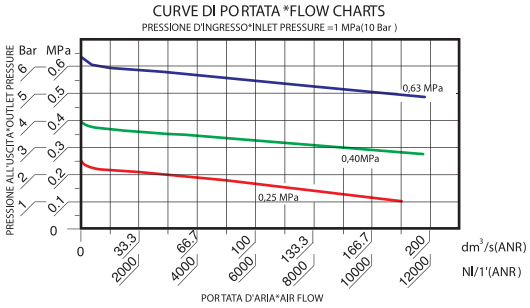
GENERAL FEATURES

Unit consisting of Filter regulator and Lubricator.
It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.
Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation.
Semiautomatic condensate drain supplied as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) : 8.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Max tourque gauge port	10 Nm
Weight	3,37 Kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
095.06.00002	FR+L 1" 095 20 04 R PE SS
095.06.00001	FR+L 1" 095 20 08 R PE SS
095.06.00003	FR+L 1" 095 20 12 R PE SS
095.06.00005	FR+L 1" 095 5 04 R PE SS
095.06.00004	FR+L 1" 095 5 08 R PE SS
095.06.00006	FR+L 1" 095 5 12 R PE SS
Float type automatic drain version.	
095.06.00007	FR+L 1" 095 20 08 R PE SA
095.06.00009	FR+L 1" 095 20 12 R PE SA
"Differential" automatic drain version.	
095.06.00013	FR+L 1" 095 20 08 R PE SAD
095.06.00014	FR+L 1" 095 20 12 R PE SAD

GUIDE TO REFERENCES

FR+L 1/4" 042 20 08 R PE SS

Product
FR+L = Filter regulator + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

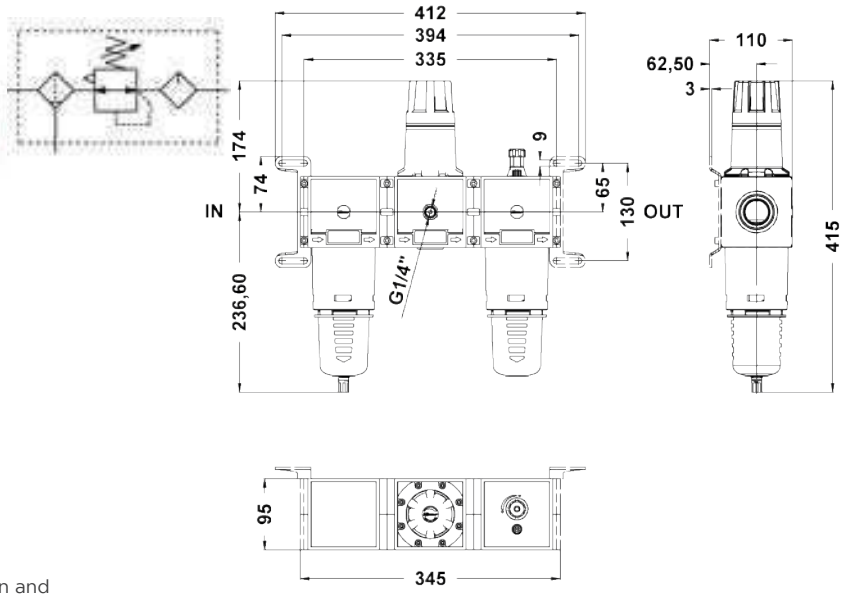
Version
R = Relieving

Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

WOULD YOU LIKE TO ORDER
THE REGULATOR COMPLETE WITH GAUGE?
Replace 0 with "M" the the 6th digit of the part nr. for example:
095.06.M0002 FR+L 1" 095 20 04 R PE SS + GAUGE

LINE 095 1" | F+R+L UNITS



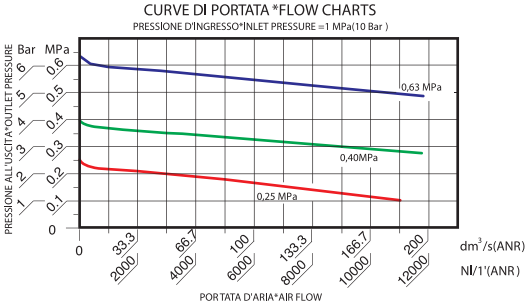
GENERAL FEATURES

Unit consisting of Filter + Regulator + Lubricator.
It combines the functions of filtering, pressure regulation and lubrication of compressed air for industrial application.
Unit featuring big flow rate and regulation sensitivity, filtration and high condensate separation.
Semiautomatic condensate drain supplied as standard (SS).
Available options: float type automatic drain (SA) and differential drain (SAD) that can convey condensate to to the outside even when the bowl is pressurized.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Pressure range	0-4; 0-8; 0-12 Bar
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 6,3 bar P= 1bar) : 8.000 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Max tourque gauge port	10 Nm
Weight	4,44 kg

Below 3°C the air of the circuit must be free from humidity



ORDERING CODE

CODE	REF.
095.05.00002	F+R+L 1" 095 20 04 R PE SS
095.05.00001	F+R+L 1" 095 20 08 R PE SS
095.05.00003	F+R+L 1" 095 20 12 R PE SS
095.05.00005	F+R+L 1" 095 5 04 R PE SS
095.05.00004	F+R+L 1" 095 5 08 R PE SS
095.05.00006	F+R+L 1" 095 5 12 R PE SS
Float type automatic drain version.	
095.05.00007	F+R+L 1" 095 20 08 R PE SA
095.05.00009	F+R+L 1" 095 20 12 R PE SA
"Differential" automatic drain version.	
095.05.00013	F+R+L 1" 095 20 08 R PE SAD
095.05.00014	F+R+L 1" 095 20 12 R PE SAD

GUIDE TO REFERENCES

F+R+L 1/4" 042 20 08 R PE SS

Product
F+R+L = Filter + Regulator + Lubricator

Connection
1/4" = G 1/4"
3/8" = G 3/8"
1/2" = G 1/2"
3/4" = G 3/4"
1" = G 1"

Line
042
050
052
075
080
095

Filtering element
5 = 5 micron
20 = 20 micron

Range of pressure
04 = 0 - 4 Bar
08 = 0 - 8 Bar
12 = 0 - 12 Bar

Version
R = Relieving

Bowl
TT = Transparent (Line 042 only)
TC = Short transparent (Line 042 only)
PE = With outer guard

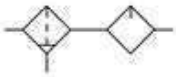
Condensate Drain
SS = Semiautomatic (standard)
SA = Automatic float type
SAD = Automatic differential
S18 = Open seat 1/8 F

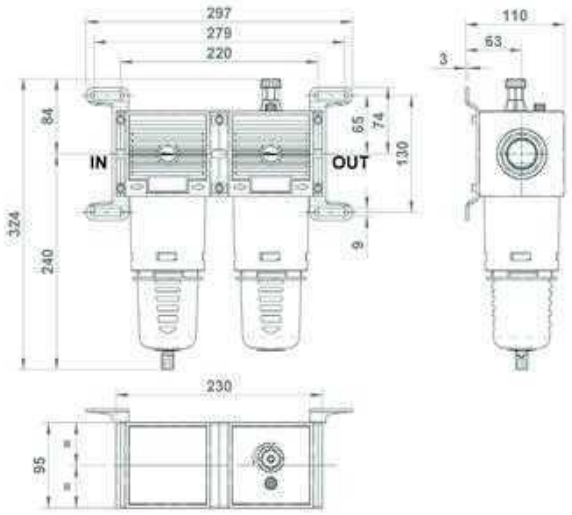
WOULD YOU LIKE TO ORDER THE REGULATOR COMPLETE WITH GAUGE?

Replace 0 with "M" the the 6th digit of the part nr. for example:

095.05.M0002 F+R+L 1" 095 20 04 R PE SS + GAUGE

LINE **095 1"** | F+L UNITS





GENERAL FEATURES

Unit consisting of Filter and Lubricator.
It combines the function of filtration and lubrication of compressed air for industrial applications.
Proportional oil-mist lubricator ensuring a constant oil delivery over time.
Bowl made from hardened polyamide with outer guard.

GENERAL TECHNICAL DATA

INLET-OUTLET connections	1"
Working pressure	0,5 – 12,5 Bar
Working pressure with automatic drain	model SA: 1,5 – 10 Bar model SAD: 2 – 12 Bar
Filtering degree	5 micron; 20 micron
Reference flow rate	(P1= 10 bar P= 1bar) : 13.800 Nl/min
Working temperature (a 10 bar)	-5 / +50°C*
Max Torque IN-OUT	1" 80 Nm
Recommended oil viscosity	ISO VG32
Weight	2,45 kg

Below 3°C the air of the circuit must be free from humidity

ORDERING CODE

CODE	REF.
095.07.00001	F+L 1" 095 20 PE SS
095.07.00002	F+L 1" 095 5 PE SS
Float type automatic drain version.	
095.07.00003	F+L 1" 095 20 PE SA
095.07.00004	F+L 1" 095 5 PE SA
"Differential" automatic drain version.	
095.07.00005	F+L 1" 095 20 PE SAD
095.07.00006	F+L 1" 095 5 PE SAD

GUIDE TO REFERENCES

F + L 1/4" 042 20 PE SS

Product
- **F+L** = Filter + Lubricator

Connection
- **1/4"** = G 1/4"
- **3/8"** = G 3/8"
- **1/2"** = G 1/2"
- **3/4"** = G 3/4"
- **1"** = G 1"

Line
- **042**
- **050**
- **052**
- **075**
- **080**
- **095**

Filtering element
- **5** = 5 micron
- **20** = 20 micron

Bowl
- **TT** = Transparent (Line 042 only)
- **TC** = Short transparent (Line 042 only)
- **PE** = With outer guard

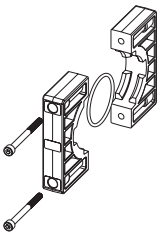
Condensate Drain
- **SS** = Semiautomatic (standard)
- **SA** = Automatic float type
- **SAD** = Automatic differential
- **S18** = Open seat 1/8 F

LINE 095 1" | ACCESSORIES

GAUGE

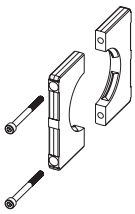
CODE	Bar	Psi	A	B	CH.
A95.01.00026	0-12	0-175	63	G1/4"	14

KIT ASSEMBLING UNITS



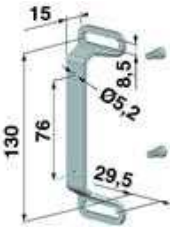
CODE	PRODUCT
C95.05.00001	F+R+L
C95.06.00001	FR+L - F+L

WALL FIXING KIT



CODE	PRODUCT
C95.01.00015	R - F - L - FR

BRACKET



CODE
C95.01.00018

AUTOMATIC DRAIN

CODE	PRODUCT
C40.02.00130 SA	F - FR
C42.02.00012 SAD	F - FR

MOUNTING KIT FOR AUTOMATIC DRAIN

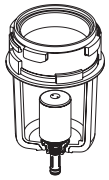
CODE	PRODUCT
C40.02.00131	SA - SAD

LINE **095 1"** | SPARE PARTS

BOWL FOR FILTER

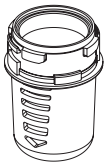
CODE	PRODUCT	VERSION
C95.02.00005	F - FR	PE SS

BOWL WITH AUTOMATIC DRAIN



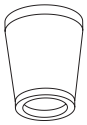
CODE	PRODUCT	VERSION
C95.02.00006	F - FR	PE SA
C95.02.00019	F - FR	PE SAD

BOWL FOR LUBRICATOR



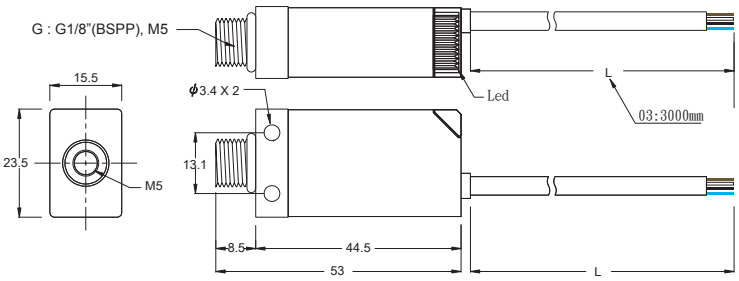
CODE	PRODUCT	VERSION
C95.03.00004	L	PE
C95.03.00007	IL	PE

FILTERING ELEMENT



CODE	PRODUCT	VERSION
A95.02.00006	F - FR	20 MICRON
A95.02.00007	F - FR	5 MICRON

LINE AP1 | PRESSURE SWITCHES



GENERAL FEATURES

AIRCOMP electronic pressure switch AP1 is distinguished by great versatility allowing to adjust both switching point and hysteresis.
* Featuring particularly compact dimensions, it can be mounted on all AIRCOMP air-supply kits.
* Available version with digital PNP output with Led for switching indication.
* Switching range: 0 - 10 bar.
* Pneumatic connection 1/8 (with internal thread M5).

GENERAL TECHNICAL DATA

Fluid	air, non corrosive and non flammable gas
Pressure range	0 - 10 bar
Maximum pressure	15 bar
Supply voltage	12 - 24V DC +/- 10%
Response time	5 ms or lower
Output mothod model	PNP 80 mA
Current consumption	21 mA max
IP protection	IP40
Ambient temperature	0 - 50 °C
Umbient humidity range	35 - 85% RH
Connection	G 1/8 (M5 internal)
Cable lenght	3 m
Weight	50 g
Led	red

GUIDE TO REFERENCES

AP1 3 02 03 G

Product
AP1 = Pressure Switch

Pressure range
3 = 0-10 bar

Type
02 = PNP circuit

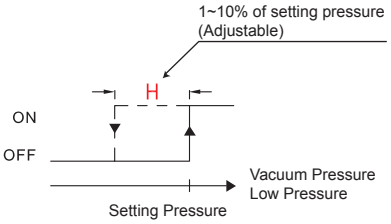
Connection
G = 1/8" gas

Cable
03 = Cable 03 m

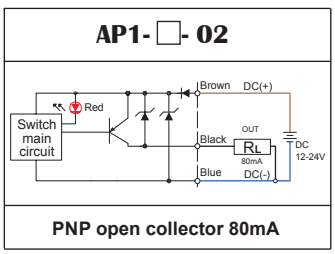
PRESSURE SWITCH

CODE	REF.
A50.06.00005	AP1-3-02-03-G

HYSTERESIS ADJUSTABLE



PRESSURE SWITCH CIRCUIT



INTERMEDIATE AIR TAKE-OFF SLIM + PRESSURE SWITCH LINE 042-1/4

CODE	REF.
C42.05.00109	PA 042 1/8-1/4 (BATTERY) + AP1

TERMINAL AIR TAKE-OFF WITH PRESSURE SWITCH LINE 042-1/4

CODE	REF.
C42.05.00015	PA INLET 042 + AP1 (INLET)
C42.05.00016	PA OUTLET 042 + AP1 (OUTLET)

INTERMEDIATE AIR TAKE-OFF WITH PRESSURE SWITCH LINE 050 3/8-052 1/2

CODE	REF.
C50.05.00006	PA 050 INTERMEDIATE + AP1

TERMINAL AIR TAKE-OFF WITH PRESS SWITCH LINEA 050-3/8 - 052-1/2

CODE	REF.
C50.05.00007	PA INLET 050 3/8 + AP1 (INLET)
C50.05.00008	PA OUTLET 050 3/8 + AP1 (OUTLET)

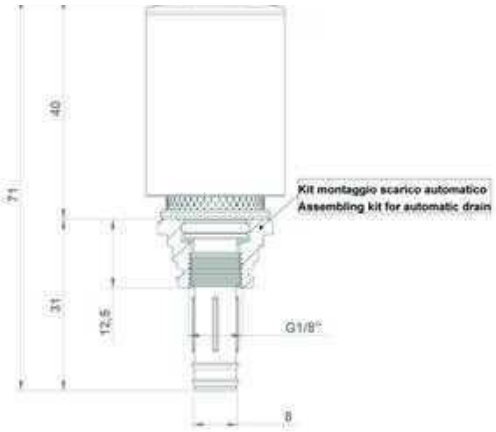
INTERMEDIATE AIR TAKE-OFF WITH PRESS SWITCH LINE 075-1/2

CODE	REF.
C75.06.00008	PA 075 INTERMEDIATE + AP1

TERMINAL AIR TAKE-OFF WITH PRESS SWITCH LINE 075-1/2

CODE	REF.
C75.06.00009	PA INLET 075 1/2 + AP1 (INLET)
C75.06.00010	PA OUTLET 075 1/2+ AP1 (OUTLET)

SA-SAD | CONDENSATE AUTOMATIC DRAINS



SA - AUTOMATIC DRAIN

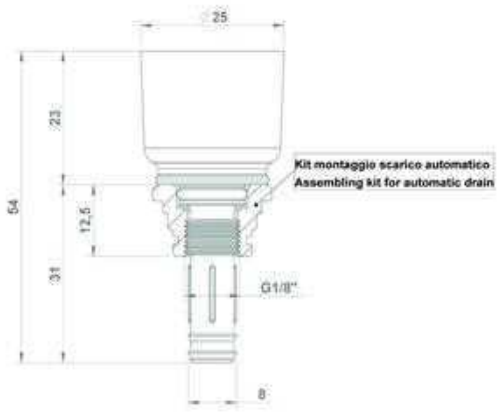
"SA" automatic drain allows draining condensate inside the bowl, both when it is pressurized and depressurized.
The float type functioning allows draining the condensate, that has built up inside the bowl, upon reaching the preset level.
"SA" drain can be assembled on all AIRCOMP Lines (042, 050, 052, 075, 080 and 095) by means of its proper kit.

GENERAL TECHNICAL DATA

Minimum working pressure	1,5 bar
Maximum pressure	10 bar

ORDERING CODE

CODE	REF.
C40.02.00130	automatic drain “SA”
C40.02.00131	Assembling kit



SAD - DIFFERENTIAL DRAIN

"SAD" drain allows draining condensate inside the bowl, both when it is pressurized and depressurized.
The differential type of functioning allows draining the condensate, that has built up inside the bowl, upon reaching the preset level.

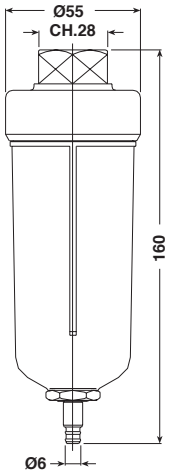
GENERAL TECHNICAL DATA

Minimum working pressure	2 bar
Maximum pressure	12 bar
Δp minimo	0,2 bar
Minimum flow rate	30 lt/min

ORDERING CODE

CODE	REF.
C42.02.00012	differential automatic drain “SAD”
C40.02.00131	Assembling kit

LINE **010-1/2"** | DRIP LEG DRAINS



GENERAL FEATURES

Drip leg drain allows removing condensed liquids from pipes, such as the feeding lines, without any manual intervention.
The unit is equipped with a filter for protecting the float type automatic drain, having the function to remove condensate.
When the unit is depressurized, the drain remains open, guaranteeing the removal of the left in liquid particles.
When the unit is pressurized, the drain opens upon reaching the preset condensate level inside the bowl.
It is equipped with pipe holder for conveying the removed condensate.
In order to allow maintenance operations, it is possible to depressurize the drip leg drain loosening the pipe holder on the external bottom part of the unit.

GENERAL TECHNICAL DATA

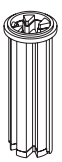
Fluid	compressed air
Connections	1/2 G"
Maximum operating pressure	10 bar
Minimum working pressure	1,5 bar
Working temperature (a 10 bar):	-5 / +50°C (at temperature lower than 2°C air must be dried)
Weight	0,225 kg

DRIP LEG DRAIN

ORDERING CODE

CODE	REF.
010.00.00001	SAL

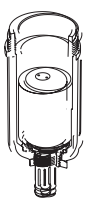
SPARE PARTS



DRIP LEG DRAIN

ORDERING CODE

CODE	REF.
A10.00.00003	SAL



BOWL WITH AUTOMATIC DRAIN

ORDERING CODE

CODE	REF.
C10.00.00003	SAL