



"Fluid Under Control"



NATURAL GAS PRODUCTS



Solenoid Valves,
Filters and Regulators,
Gas Alarm Controller
Natural Gas - LPG - LNG

GF 10 Series Natural Gas Filters

Natural gas, LPG, methane, propane, butane, city gas, air, non-aggressive gases
Body: Die-cast aluminium
Ambient Temperature: -10°C / +50°C
Max. Pressure: 4 bar



GF 10



Model No	Stock Code	Connection Size	Orifice	Pressure min / max		Flow	Fluid Temperature		Diaphragm
				bar	bar		min	max	
GF 10		G	mm			m3/h	°C		
GF 10.03	501203A15000	1/2"	15	0	4	20	-10	80	NBR
GF 10.04	501204A20000	3/4"	20	0	4	40	-10	80	NBR
GF 10.05	501205A25000	1"	25	0	4	60	-10	80	NBR
GF 10.06	501206A32000	1 1/4"	32	0	4	125	-10	80	NBR
GF 10.07	501207A40000	1 1/2"	40	0	4	145	-10	80	NBR
GF 10.08	501208A50000	2"	50	0	4	190	-10	80	NBR

Note: Flow rate measured at $\Delta P = 10\text{mbar}$

GR 30 Series Filtered Natural Gas Regulators, (Max. Input Pressure 1 bar)

Model No	Connection Size	Flow	Weight	Description
GR 30	G	m3/h	kg	
GR 30.03	1/2"	20	1.20	Natural gas, methane, propane, butane, city gas, air, non-aggressive gases... Ambient Temperature : -10° ... 50°C Max. Input Pressure : 1 bar Output Pressure Adjustment Range : 10-500 mbar Aluminium : TS 10624 Certified Note: Flow rate measured in natural gas at $\Delta P = 10\text{ mbar}$
GR 30.04	3/4"	25	1.16	
GR 30.05	1"	35	1.11	
GR 30.06	1 1/4"	85	3.20	
GR 30.07	1 1/2"	85	3.19	
GR 30.08	2"	135	3.28	



GF 10



Note: Regulator output pressure is customized by the manufacturer considering the customer's applications.

GR 20 Series Emergency Relief Natural Gas Regulator (Max. Input Pressure 0,5 bar)

Model No	Connection Size	Flow	Weight	Description
GR 20	G	m3/h	kg	
GR 20.03	1/2"	10	0.72	Natural gas, methane, propane, butane, city gas, air, non-aggressive gases... Ambient Temperature : -10° ... 50°C Max. Input Pressure : 1 bar Output Pressure Adjustment Range : 10-500 mbar Aluminium : TS 10624 Certified Note: Flow rate measured in natural gas at $\Delta P = 10\text{ mbar}$
GR 20.04	3/4"	15	0.75	
GR 20.05	1"	20	0.78	



GR 20



Note: Regulator output pressure is customized by the manufacturer considering the customer's applications.

GR 60 Series, Shut-Off Type Filtered Natural Gas Regulators (Maximum Input Pressure 1 bar)

Model No	Connection Size	Flow	Weight	Description	Output Pressure
GR 60	G	m3/h	kg		
GR 60.03	1/2"	20	1.90	Natural gas, methane, propane, butane, city gas, air, non-aggressive gases... Ambient Temperature : -10° ... 50°C Max. Input Pressure : 1 bar Output Pressure Adjustment Range : 10-500 mbar Aluminium : TS 10624 Certified Note: Flow rate measured in natural gas at $\Delta P = 10\text{ mbar}$	8 -14 mbar
GR 60.04	3/4"	25	1.87		14 - 25 mbar
GR 60.05	1"	35	1.83		25 - 68 mbar
GR 60.06	1 1/4"	85	3.20		120 - 180 mbar
GR 60.07	1 1/2"	85	3.19		320 - 450 mbar
GR 60.08	2"	135	3.28		



GR 60



Note: Regulator output pressure is customized by the manufacturer considering the customer's applications.

S8011 Series, 2/2 Way, Manuel Reset Natural Gas Valves, Normally Open

Natural gas, methane, propane, butane, city gas, air, non-aggressive gases
 Body : Aluminium, internal parts stainless steel and brass
 Standard Voltages AC 12V, 24V, 48V, 110V, 230V
 DC 12V, 24V, 48V, 110V.

Please specify the coil type and voltage on your request. Ambient Temperature: -10°/50°C
 For earthquake detector, coil voltage must be 12 VDC, for gas alarm application should be 230 V AC
 Please avoid demounting coil and armature
 On request exproof coil
 In case of receiving a signal from the earthquake detector, valve is closed, can be opened manually



S8011



Model No	Connection Size	Orifice	Pressure min / max		Flow	Fluid Temperature		Diaphragm
			bar	bar		min	max	
TORK-GV	G	mm	bar	bar	m³/h	min	max	
S8011.02	3/8"	24	0	0.5	10	-10	80	NBR
S8011.03	1/2"	24	0	0.5	14	-10	80	NBR
S8011.04	3/4"	24	0	0.5	32	-10	80	NBR
S8011.05	1"	24	0	0.5	38	-10	80	NBR
S8011.06	1 1/4"	40	0	0.5	105	-10	80	NBR
S8011.07	1 1/2"	40	0	0.5	125	-10	80	NBR
S8011.08	2"	50	0	0.5	145	-10	80	NBR

Note: Flow rate measured in natural gas at ΔP = 10 mbar

S8086 Series, 2/2 Way, Manuel Reset, Permanent Circuit Natural Gas Solenoid Valves, Normally Closed Loop.

Natural gas, methane, propane, butane, city gas, air, non-aggressive gases
 Body : Aluminium, internal parts stainless steel and brass
 This product is available for 230 V AC can be used with special socket converter
 Please specify the coil type and voltage on your request. Ambient Temperature: -10°/50°C
 For earthquake detector, coil voltage must be 12 VDC, for gas alarm application should be 230 V AC
 Please avoid demounting coil and armature
 On request exproof coil

In a case of a power failure, signal received by solenoid valve flow cut off.



Model No	Stock Code	Connection Size	Orifice	Pressure min / max		Flow	Fluid Temperature		Diaphragm
				bar	bar		min	max	
S8086		G	mm	bar	bar	m³/h	min	max	
S8086.02	500202K240	3/8"	24	0	0.5	10	-10	80	NBR
S8086.03	500203K240	1/2"	24	0	0.5	14	-10	80	NBR
S8086.04	500204K240	3/4"	24	0	0.5	32	-10	80	NBR
S8086.05	500205K240	1"	24	0	0.5	38	-10	80	NBR

Note: Flow rate measured in natural gas at ΔP = 10 mbar

S8079 Series, 2/2 Way, Manuel Reset, Flanged Natural Gas Valves, Normally Open

Natural gas, methane, propane, butane, city gas, air, non-aggressive gases
 Body : Aluminium, internal parts stainless steel and brass
 Standard Voltages AC 12V, 24V, 48V, 110V, 230V
 DC 12V, 24V, 48V, 110V.

Please specify the coil type and voltage on your request. Ambient Temperature: -10°/50°C
 For earthquake detector, coil voltage must be 12 VDC, for gas alarm application should be 230 V AC
 Please avoid demounting coil and armature
 In case of having a signal from the gas alarm controller, valve is closed. Manually opened valve let the flow again



Model No	Stock Code	Connection Size	Orifice	Pressure min / max		Flow	Fluid Temperature		Diaphragm
				bar	bar		min	max	
S8079		G	mm	bar	bar	m³/h	min	max	
S8079.09	500309A650	2 1/2"	65	0	6	300	-10	80	NBR
S8079.10	500310A800	3"	80	0	6	450	-10	80	NBR
S8079.12	500312A1000	4"	100	0	6	600	-10	80	NBR

Note: Flow rate measured in natural gas at ΔP = 10 mbar

S8080 Series, 2/2 Way, Direct Operated, Full Bore, Natural Gas Solenoid Valves, Normally Closed

Areas of Usage : Natural gas, LPG, methane, propane, butane, city gas, air, non-aggressive gases
 Body : Aluminium or brass, internal parts, stainless steel. On request, can be nickel coated or stainless steel
 Standard Voltages : AC voltages; 12V, 24V, 48V, 110V, 230V
 DC voltages; 12V, 24V, 48V, 110 V
 Please specify the coil type and voltage on your request
 On request : Drilled for assembly
 Coils are interchangeable
 On request : Exproof Coil



S8080



Model No	Stock Code	Connection Size	Orifice	Pressure min / max		Kv	Fluid Temperature		Diaphragm
				bar	bar		min	max	
S8080		G	mm	bar	bar	lt/minute	°C		
S8080.02.050	500402K050	3/8"	5	0	1	9.2	-10	80	NBR
S8080.02.060	500402K060	3/8"	6	0	1	11	-10	80	NBR
S8080.02.070	500402K070	3/8"	7	0	1	12.4	-10	80	NBR
S8080.03.050	500403K050	1/2"	5	0	1	9.2	-10	80	NBR
S8080.03.060	500403K060	1/2"	6	0	1	11	-10	80	NBR
S8080.03.070	500403K070	1/2"	7	0	1	12.4	-10	80	NBR

S8090 Series, 2/2 way, Pilot Operated, Double Coil Gasoline Pump Solenoid Valves, Normally Closed

Standard Voltages : AC voltages; 12V, 24V, 48V, 110V, 230V
 DC voltages; 12V, 24V, 48V, 110 V
 Coil Class : TORK-EE Xe.II.T4/T5
 Connection : 3/4", 1"
 Body : Die-cast aluminium
 Double coiled. For the filling stations. First is to open full line second is for less flow. Used to avoid overflow.



S8090

Model No	Stock Code	Connection Size	Orifice	Pressure min / max		Kv	Fluid Temperature		Diaphragm
				bar	bar		min	max	
S8090		G	mm	bar	bar	lt/minute	°C		
S8090.04	500604K240	3/4"	24	0.5	10	24-53	-10	160	VITON
S8090.05	500605K240	1"	24	0.5	10	24-53	-10	160	VITON

TORK-901 Series Natural Gas Pressure Switches P max. 500mbar

Areas of Usage : Natural gas, LPG, methane, propane, air, non-aggressive gases
 Connection : G 1/4", G 1/8", G 1/2" (metric thread and tube connection)
 Body : Brass (on request stainless steel)
 Exproof types are available. On request can be modified for vacuum.



TORK-901

Model No	Control Range	Connection Size	Description
TORK-901	mbar	G	
TORK-901.61	5 ... 20 mbar	1/4"	Brass or stainless steel body, thread connection
TORK-901.62	10... 50 mbar	1/4"	
TORK-901.63	25 ... 100 mbar	1/4"	
TORK-901.64	50 ... 250 mbar	1/4"	
TORK-901.65	100... 500 mbar	1/4"	
TORK-901.66	250 ... 1000 mbar	1/4"	
TORK-901.67	500 ... 1500 mbar	1/4"	
TORK-901.68	1000 ... 3000 mbar	1/4"	
TORK-901.91	1 ... 6 bar	1/4"	
TORK-901.92	4 ... 9 bar	1/4"	
TORK-901.93	7 ... 12 bar	1/4"	

TORK-GA and TORK-ExGA 101 Series Normal and Exproof Natural Gas Alarm Controller

Type No	TORK-GA 101	TORK-ExGA 103
TSE Standard	TS EN50194	TS EN 50014-TS EN50194
Type of the device	A type (Alarm contact output)	
Working Voltage	220, 230 V 50/60Hz	
Output Power	220V, 230V, 7A	
Loudness Level	85dB	
Calibration Time	1.5 minutes	
Power Consumption	4 watt	
Sensor	Semi Conductor	
Output	Normally Open SPST (on request SPDT)	
Weight	0.28 kg	0.75 kg



Gas and Propane Regulators Max. Input Pressure 28 bar (400 psi) (High Pressure)

Type	Connection Size (NPT)	Max Input Pressure	Output Pressure Range	Body Material	Seal
GR91	3/8" 1/2" 3/4" 1"	28 bar	0-2 bar (0-30 psi)	Aluminium	Nitrile Elastomer
			0-4 bar (0-60 psi)		
			0-8.6 bar (0-125 psi)		

On Request : Brass or nickel coated body.



Gas and Propane Regulators Max. Input Pressure 379 bar (5500 psi) (High Pressure)

Type	Connection Size (NPT)	Max Input Pressure	Output Pressure Adjustment Range	Body Material	Seal
GR92	1/4"	379 bar	0-2 bar(0-30 psi)	Brass, 316 stainless steel, Nickel plated brass	Nylon
			0-4 bar (0-60 psi)		
			0-8.3 bar (0-120 psi)		
			0-10.3 bar (0-150 psi)		
			0-15.5 bar (0-225 psi)		
0-34.5 bar (0-500 psi)					

On Request : Stainless Steel or nickel coated body.
Diaphragm : PTFE or TFE



High-Flow Gas Regulators, Max. Input Pressure 103 bar (1500 psi) (High Pressure)

Type	Connection Size (NPT)	Max Input Pressure	Output Pressure Adjustment Range	Body Material	Seal
GR90	1" 2"	103 bar	1.9 -3.5 bar (27-50 psi)	Cast Iron or Steel	Neoprene
			3.2-6.6 bar (46-95 psi)		
			6.2-10.3 bar (90-150 psi)		
			10.3-13.8 bar (150-200 psi)		
			13.8-19 bar (200-275 psi)		
19-34.5 bar (275-500 psi)					



S8013 Series, High Pressure Natural Gas and LNG Solenoid Valves, Normally Closed

Connection Size "G"	Part Number	Pressure Bar	Features
1/8"	S8013.00.010	100	2/2 Way, 1 mm orifice
1/8"	S8013.00.018	50	2/2 Way, 1.8 mm orifice
1/8"	S8013.00.025	20	2/2 Way, 2.5 mm orifice
1/4"	S8013.01.010	100	2/2 Way, 1 mm orifice
1/4"	S8013.01.018	50	2/2 Way, 1.8 mm orifice
1/4"	S8013.01.025	20	2/2 Way, 2.5 mm orifice
3/8"	S8013.02	40	2/2 Way, 12 mm orifice
1/2"	S8013.03	40	2/2 Way, 14.5 mm orifice
3/4"	S8013.04	40	2/2 Way, 17 mm orifice
1"	S8013.05	40	2/2 Way, 17 mm orifice



S8010 Series, Direct Operated and Pilot Operated Natural Gas Solenoid Valves, Normally Closed

Connection Size "G"	Part Number	Pressure Bar	Features
1/8"	S8010.00.040	0 - 9	2/2 Way, 4 mm orifice
1/4"	S8010.01.040	0 - 9	2/2 Way, 4 mm orifice
3/8"	S8010.02	0 - 16	2/2 Way, 12.5 mm orifice
1/2"	S8010.03	0 - 16	2/2 Way, 14.5 mm orifice
3/4"	S8010.04	0 - 16	2/2 Way, 17 mm orifice
1"	S8010.05	0 - 16	2/2 Way, 17 mm orifice



S7010 Series Direct and Pilot Operated General Purpose Ex-Proof Solenoid Valves, Normally Closed

Port Size	Model No	Body Material	Pressure	Ways and Orifice Sizes	Temp.	Operating Voltage
1/8"	S7010.00.018	Brass	0.5 ... 16 bar	2/2 Way, 1.8 mm orifice	80 °C	220V AC 110V AC 24V AC 12V AC 24V DC 12V DC
1/4"	S7010.00.025			2/2 Way, 2.5 mm orifice		
3/8"	S7010.02			2/2 Way, 12.5 mm orifice		
1/2"	S7010.03			2/2 Way, 14.5 mm orifice		
3/4"	S7010.04			2/2 Way, 17 mm orifice		
1"	S7010.05			2/2 Way, 17 mm orifice		
1 1/4"	S7010.06			2/2 Way, 46 mm orifice		
1 1/2"	S7010.07			2/2 Way, 46 mm orifice		
2"	S7010.08	2/2 Way, 46 mm orifice				



Note: Exproof coils are EEx emIT4/T5, maximum surface temp. 100°C - 135°C, suitable for use in zone 1-2 and TSE certified.

S7030, S7033 and S7090 Series

Direct and Pilot Operated Ex-Proof General Purpose Solenoid Valves, Normally Closed

Port Size	Model No	Body Material	Pressure	Ways and Orifice Sizes	Temp.	Operating Voltage
3/8"	S7030.02	Brass	0.3 ... 16 bar	2/2 Way, 12,5 mm orifice	80 °C	220V AC 110V AC 24V AC 12V AC 24V DC 12V DC
1/2"	S7030.03			2/2 Way, 12,5 mm orifice		
3/4"	S7030.04			2/2 Way, 20 mm orifice		
1"	S7030.05			2/2 Way, 25 mm orifice		
1 1/4"	S7030.06			2/2 Way, 46 mm orifice		
1 1/2"	S7030.07			2/2 Way, 46 mm orifice		
2"	S7030.08			2/2 Way, 46 mm orifice		
2 1/2"	S7033.09			2/2 Way, 65 mm orifice		
3"	S7033.10			2/2 Way, 80 mm orifice		



Note: Exproof coils are EEx emIT4/T5, maximum surface temp. 100°C - 135°C, suitable for use in zone 1-2.

S7360 Series Direct and Pilot Operated General Purpose Ex-Proof Solenoid Valves, Normally Open, (5 W coil)

Port Size	Model No	Body Material	Pressure	Ways and Orifice Sizes	Temp.	Operating Voltage
1/8"	S7360.00.018	Brass	0.3 ... 16 bar	2/2 Way, 1.8 mm orifice	80 °C	220V AC
1/4"	S7360.01.018			2/2 Way, 1.8 mm orifice		110V AC
1/4"	S7383.01.018			2/2 Way, 1.8 mm orifice		24V AC
1/4"	S7365.01.018			3/2 Way, 1.8 mm orifice		12V AC
3/8"	S7360.02			2/2 Way, 12 mm orifice		24V DC
1/2"	S7360.03			2/2 Way, 12 mm orifice		12V DC
3/4"	S7360.04			2/2 Way, 15 mm orifice		
1"	S7360.05			2/2 Way, 15 mm orifice		



Note: Exproof coils are EEx emIIT4/T5, maximum surface temp. 100°C - 135°C, suitable for use in zone 1-2.

S7320 Series ΔP: 0 Bar, Pilot Operated General Purpose Ex-Proof Solenoid Valves, Normally Closed

Port Size	Model No	Body Material	Pressure	Ways and Orifice Sizes	Temp.	Operating Voltage
3/8"	S7320.02	Brass	0.3 ... 16 bar	2/2 Way, 12.5 mm orifice	80 °C	220V AC
1/2"	S7320.03			2/2 Way, 14.5 mm orifice		110V AC
3/4"	S7320.04			2/2 Way, 17 mm orifice		24V AC
1"	S7320.05			2/2 Way, 17 mm orifice		12V AC
						24V DC
						12V DC



Note: Exproof coils are EEx emIIT4/T5, maximum surface temp. 100°C - 135°C, suitable for use in zone 1-2.

PAV 909. SR and PAV 909. DA Series, Pneumatic Actuated Monoblock Stainless Steel Ball Valve

Ball Valve : DN15 DN100 Stainless Steel (full bore)
 Operating Temp. : -30 ... +180°C
 Pressure : PN 16bar and PN 40 bar
 Actuator : RA, DA and RA, SR series
 Areas of : Natural gas, LPG, water, steam etc.
 Usage



DA : Double acting
 SR : Single acting

Model Number / Order Number	Connection
PAV 909	DN
PAV 909.15 DA / SR	DN15
PAV 909.20 DA / SR	DN20
PAV 909.25 DA / SR	DN25
PAV 909.32 DA / SR	DN32
PAV 909.40 DA / SR	DN40
PAV 909.50 DA / SR	DN50
PAV 909.65 DA / SR	DN65
PAV 909.80 DA / SR	DN80
PAV 909.100 DA / SR	DN100



PAV 909 DA/SR

PAV 910. SR and PAV 910. DA Series, Pneumatic Actuated, Monoblock Carbon Steel Ball Valve

Ball Valve : DN15 DN100 Carbon Steel (full bore)
 Operating Temp. : -30 ... +180°C
 Pressure : PN 16bar and PN 40 bar
 Actuator : RA, DA and RA, SR series
 Areas of : Natural gas, LPG, water, steam etc.
 Usage



DA : Double acting
 SR : Single acting

Model Number / Order Number	Connection
PAV 910	DN
PAV 910.15 DA / SR	DN15
PAV 910.20 DA / SR	DN20
PAV 910.25 DA / SR	DN25
PAV 910.32 DA / SR	DN32
PAV 910.40 DA / SR	DN40
PAV 910.50 DA / SR	DN50
PAV 910.65 DA / SR	DN65
PAV 910.80 DA / SR	DN80
PAV 910.100 DA / SR	DN100



PAV 910 DA/SR

PAV 912F. SR and PAV 912F. DA Series, Pneumatic Actuated, 2/2 Way Natural Gas Ball Valve

Ball Valve : DN15 DN250, (full bore)
 Operating Temp. : -30 ... +180°C
 Pressure : PN 16bar and PN 40 bar
 Actuator : RA, DA and RA, SR series
 Areas of : Natural gas, LPG, water, steam etc.
 Usage



DA : Double acting
 SR : Single acting

Model No	Connection
PAV 912F	DN
PAV 912F.15 DA / SR	DN15
PAV 912F.20 DA / SR	DN20
PAV 912F.25 DA / SR	DN25
PAV 912F.32 DA / SR	DN32
PAV 912F.40 DA / SR	DN40
PAV 912F.50 DA / SR	DN50
PAV 912F.65 DA / SR	DN65
PAV 912F.80 DA / SR	DN80
PAV 912F.100 DA / SR	DN100
PAV 912F.120 DA / SR	DN120
PAV 912F.200 DA / SR	DN200
PAV 912F.250 DA / SR	DN250



PAV 912 DA/SR



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