FLANGED MANUAL RESET NATURAL GAS SOLENOID VALVES

2/2 Way
Pilot Operated
G21/2", G3", G4"

S8079 SERIES

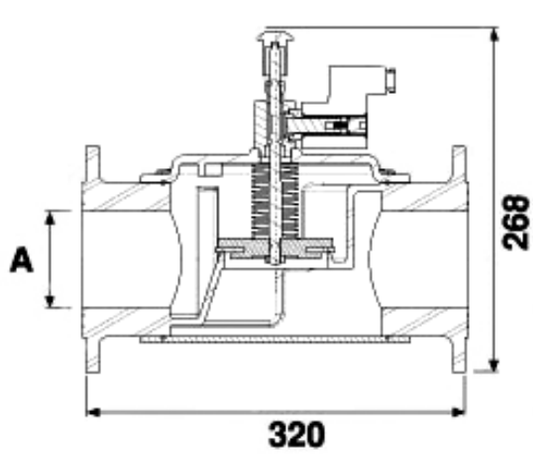
Normally Open

GENERAL FEATURES

- **TORK series S8079 diaphragm flanged manuel reset gas solenoid valves are 2/2 way normally open**
- **It is solenoid valves that normally open, manual reset and will be closed when energized**
- **Becauseof not to electric consumption during normal operation there is no abbrasion , rumble etc.. and provides electic saving**
- **For domestic application out side the house while using with a gas alarm controller it takes the signal from teh controller and stops the gas flow**
- **Suitable Natural gas, LPG, methane, propane, butane, town gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.**
- Working Temperature:-10°C / +80°C
- **Don't require any differential pressure**
- Response Time:less than 1 second
- Maximum Allowable Pressure:1 bar
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Coils interchangeable
- Flow factor Kv of each valve is indicated, so that the flow Q can be calculated as a function of pressure
- Solenoid valves must be used with filtered fluids.
- Solenoid valve can be mounted in any position without affecting operation; vertical with coil upwards preferred.
- Standard pipe connection is Rp (ISO 7-1) and G (ISO 228-1) on request; other pipe connections are available (NPT (ANSI 1.20.3))

ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)
Coil Impregnation	: Polyester Fiber Glass
Coil Encapsulation Material	: Fiber Glass Reinforced
Ambient Temperature	: from -10°C; +60°C
Protection Degree	: IP 65 (EN 60529) with coil duly fitted with the plug connector
Electric Plug Connection	: DIN 46340 3-poles connectors (DIN 43650)
Connector Specification	: ISO 4400 / EN 175301-803, Form A, Spade plug (Cable Ø6-8 mm)
Electrical Safety	: IEC 335
Standard Voltages	: For AC 12V, 24V, 48V, 110V, 230V For DC 12V, 24V, 48V, 110 V
Other voltages on request;	
Voltage Tolerances	: For AC -15%; +10%, For DC -5%; +10%
Frequency	: 50 Hz, other frequencies on request; (60 Hz)
On request; connector with LED	
Specify coil voltage with order	



MATERIALS IN CONTACT WITH FLUID

Body	: Aluminium
Internal Parts	: Stainless Steel and brass
Sealing	: NBR
Shading Ring	: Copper
Seats	: Aluminium
Core Tube	: Stainless Steel
Springs	: Stainless Steel

TECHNICAL FEATURES

Max Viscosity : 5°E (~37cSt or mm2/s)
Response Time : Opening Time:30 ms, Closing Time :30 ms
Fluids Temperature for FPM from -10°C; +160°C

Dimensions (mm)

A	
DN65	21/2"
DN80	3"
DN100	4"

Valve Type / Order no	Connection Size	Orifice size	Pressure min	Pressure max	Q	Fluid Temperature °C min	Fluid Temperature °C max	Seal	Weight
S8079	G	mm	bar	bar	m^3/h	min	max		(kg)
S8079.09	21/2"	65	0	1	300	-10	80	NBR	6.5
S8079.10	3"	80	0	1	450	-10	80	NBR	6.9
S8079.12	4"	100	0	1	600	-10	80	NBR	12

Useful Informations
1 bar:14,5 PSI:10 mH_2O:10 N/cm^2:1 kg/cm^2:100000 Pa , 1 PSI:69 mbar,1 m^3/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m^3/h, 0°C:89,6 F
Sealings:NBR:Nitrile-Butylene Elastomer

Note: Flow rate is ΔP = 10 mbar meassurement (for natural gas)

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