

WATER

C B

365 208 180 18

84.9

300 340 208 160 18

100 305

150 390 450 300 240 22

14600

NORMALLY CLOSED

2/2 WAY

PILOT OPERATED

General Purpose Flanged Solenoid Valves S1072 / S1082 Series

GENERAL FEATURES

- New design
- Full orifice flanged solenoid valves
- 3", 4", 6" and 8" connection
- \bullet TORK series S1072 (N.C) and S1082 (N.C) diaphragm solenoid valves are 2/2 way normally closed and pilot operated
- Suitable for water and air.
- Working Temperature: -1Q°C / +80°C
- Not suitable for use with dangerous fluids listed in Group 1
- Minimum operating differential pressure 1 and 1,5 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 G (BSP) (ISO 228-1) and 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 : IP65 (ISO 60529) with coil duly fitted

with the plug connector

Electric Plug Connection : DIN 46340 3 - Poles Connector (DIN43650)

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

On request other voltages

Voltages Tolerance : For AC -15%; +10%, For DC -5%; +10% Frequency : 50 Hz, other frequencies on request; (60 Hz ...)

On request; connector with LED Specify coil volt age with order

MATERIALS IN CONTACT WITH FLUID

Body : Cast Iron

Internal Parts : Stainless Steel, Brass

Sealing : NBR

Shading Ring : Copper (EN 12735-1)

Seats : Brass

Core Tube : Stainless Steel Springs : Stainless Steel

OPTIONS

Female connection: BSP; (On request NPT)

• On request CR-Ni plated, PTFE coated done

On request Atex (exproof) coil.

TECHNICAL FEATURES

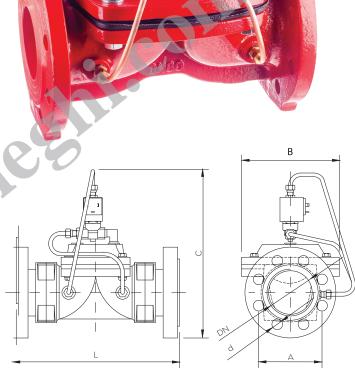
Max. Viscosity : 5°E (~37cST veya mm²/s)

Response Time

Opening time: 400 ms- 1600 ms Closing Time: 1000 ms- 2000 ms Maximum Allowable Pressure: 25 bar (for S1081) 10 bar (for S1079)

Useful Informations

1 bar:14,5 PSI:10 mH20:10 N/cm2:1 kg/ cm 2:100000Pa, 1 PSI:69 mbar,1 m3/h:4,405 GPM:16,7 L/ d 1 Gallo n / minute:0,227 m3/h, Cv:1,16 Kv, 0°C:89,6F Sealings: NBR: Nitrile-Butylene Elastomer



Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Pressure min/max		Kv	Fluid Temperature		Seal	Weight
	S1072 / S1082	DN	Bar	Bar	Lt/dk	min	C max		kg
2 1 M	S1072.10	80	1	6	3380	-10	80	NBR	20.7
	S1072.12	100	1	6	3610	-10	80	NBR	22.3
	S1072.18	150	1	6	7450	-10	80	NBR	54.2
	S1072.20	200	1	6	14600	-10	80	NBR	84.9
	S1082.10	80	1.5	16	3380	-10	80	NBR	20.7
	S1082.12	100	1.5	16	3610	-10	80	NBR	22.3
	S1082.18	150	1.5	16	7450	-10	80	NBR	54.2

200

S1082.20