

Explosion Proof General Purpose Solenoid Valve

SX7130 & SX7130-LPG Series (G3/4",G1",G11/4",G11/2",2")

GENERAL FEATURES

- Wide pressure range, flow rate and orifice options are available.
- Solenoid valves should be used with filter.

WHAT IS DOUBLE COILED SOLENOID VALVE?

It is a normally closed solenoid valve designed to provide flow rate in two different level.

It is used generally at filling facilities with high load at the beginning and then to complete the filling by low flow rate.

ELECTRICAL CHARACTERISTICS

- Continuous Duty : ED %100
- Coil Insulation Class : H (180°C)(IEC 85)
- Coil Impregnation : Polyester Fiber Glass
- Ambient Temperature : -10°C, +60°C
- Protection Degree : IP67
- Electric Plug Connection: DIN 46340 3-Poles Connector (DIN 43650)
- Connector Specification: ISO 4400 / EN 175301-803 Form A,
- Spade Plug (Cable Ø6-8 mm)
- Electrical Safety : IEC 335
- Standard Voltages : AC 12V 15VA, 24V 15VA, 48V 15VA, 110V 15VA, 230V 15VA, 230V 24VA DC 12V 18W, 24V 18W, 48V 18W,
- 110V 18W

- Atex Protection Class : Ex mb IIC T4 Gb
- On request other voltages
- Voltages Tolerance : AC -15% , +10% DC -5% , +10%
- Frequency : 50 Hz (60 Hz...)
- In order, please specify coil voltage. For details, please look at coil section..

MATERIALS IN CONTACT WITH FLUID

- Body : Brass
- Internal Parts : Stainless Steel
- Sealing : Viton, FFKM
- Shading Ring : Copper (EN 12735-1)
- Seats, Core Tube, Springs: Stainless Steel

OPTIONS

Female connection: BSP; (On request NPT)

TECHNICAL FEATURES

- Max. Viscosity : 5°E (-37cST or mm²/s)
- Response Time : Opening time : 400 ms - 1600 ms
- Closing Time : 1000 ms - 2000 ms

SEALS FEATURES

- NBR : -10°C...+80°C
- EPDM : -10°C...+130°C
- VITON : -10°C...+160°C
- PTFE : -10°C...+180°C
- RUBY : -10°C...+160°C

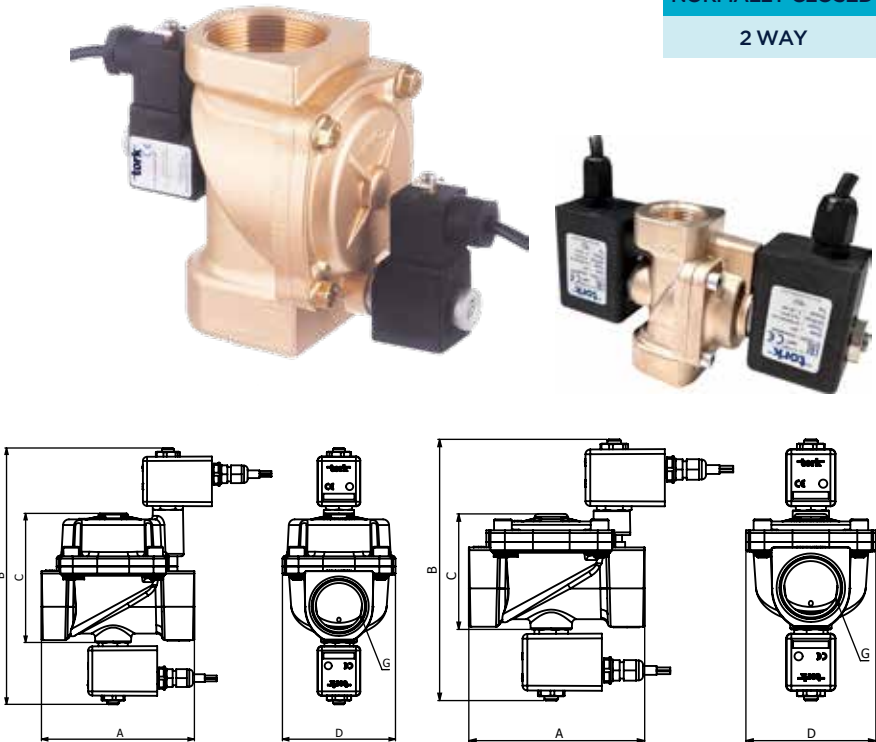
STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 1.20.3)) are available on request.
- TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

Not: Please look catalogues for more details

NORMALLY CLOSED

2 WAY



SX7130-LPG

Dimensions (mm)					
G	A	B	C	D	
3/4"	85	172	71	53	
1"	85	172	71	53	
1 1/4"	128.5	191	84.5	95	
1 1/2"	128.5	191	84.5	95	
2"	149	192	100	110	

SX7130

Dimensions (mm)					
G	A	B	C	D	
3/4"	90	172	76	53	
1"	90	172	76	53	
1 1/4"	128.5	215.5	108.5	95	
1 1/2"	128.5	215.5	108.5	95	
2"	149	192	100	110	

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C41012VDC18W	12VDC 18W	COLD	19,56	19,56	1,63	20
		HOT	14,52	14,52	1,21	106
C41024VDC18W	24VDC 18W	COLD	20,88	20,88	0,87	25
		HOT	14,64	14,64	0,61	116
C41110VDC18W	110VDC 18W	COLD	19,96	19,96	0,18	23
		HOT	13,56	13,56	0,123	115
C41012VAC15VA	12VAC 15VA	COLD	23,81	16,43	1,3	25
		HOT	-	15,86	1,262	79
C41024VAC15VA	24VAC 15VA	COLD	25,82	15,02	0,62	22
		HOT	-	13,91	0,57	81
C41110VAC15VA	110VAC 15VA	COLD	30,65	15,17	0,137	24
		HOT	-	13,96	0,126	80
C41230VAC15VA	230VAC 15VA	HOT	31,4	15,64	0,068	25
		HOT	-	14,41	0,063	80
C41230VAC24VA	230VAC 24VA	COLD	45,1	23,92	0,0154	23
		HOT	-	21,62	0,0154	100

Valve Type/ Order No	Connection Size	Main Orifice Size	Small Orifice Size	Pressure min/max		Kv	Seal		Weight
SX7130 SX7130-LPG	G	mm	mm	Bar	Bar	Lt/dk	Viton	FFKM	kg
SX7130.04	3/4"	17	2.5	0	25	90/3,2		✓	1,8
SX7130.05	1"	17	2.5	0	25	90/3,2		✓	1,75
SX7130.06	1 1/4"	39	2.5	0.5	12	370/3,2	✓		3,2
SX7130.07	1 1/2"	39	2.5	0.5	12	370/3,2	✓		3,1
SX7130.08	2"	46	2.5	0.5	12	450/3,2	✓		4,7
SX7130.04-LPG	3/4"	17	2.5	0.5	25	90/3,2	✓		1,8
	3/4"	19	2.5	0.5	25	110/3,2	✓		1,8
SX7130.05-LPG	1"	17	2.5	0.5	25	90/3,2	✓		1,75
SX7130.06-LPG	1 1/4"	39	2.5	0.5	16	370/3,2	✓		4,3
SX7130.07-LPG	1 1/2"	39	2.5	0.5	16	370/3,2	✓		4,2
SX7130.08-LPG	2"	46	2.5	0.5	12	450/3,2	✓		4,7