

General Purpose Solenoid Valves S1030 Series (G3/8", G1/2", G3/4", G1", G1 1/4", G1 1/2", G2")

GENERAL FEATURES

- Wide pressure range, a flow rate and orifice options.
- Solenoid valves are used with the filter.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.

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	: IP65 (ISO 60529) On request; IP68
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	: AC 12V 15VA, 24V 15VA, 48V, 15VA, 110V 15VA, 230V 15VA, DC 12V 18W, 24V 18W, 48V 18W, 110V 18W

On request other voltages

Voltages Tolerance : AC -15% , +10% DC -18% , +10%

Frequency : 50 Hz (60 Hz...)

On request; Connector with LED, PWM Socket

Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel, Brass
Sealing	: NBR (On request; EPDM, VITON)
Shading Ring	: Copper (EN 12735-1)
Seats,Core Tube,Springs	: Stainless Steel, Brass

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 or mm2/s)

Response Time : Opening Time : 400-1600 ms

Closing Time : 1000-2000 ms

SEALS FEATURES

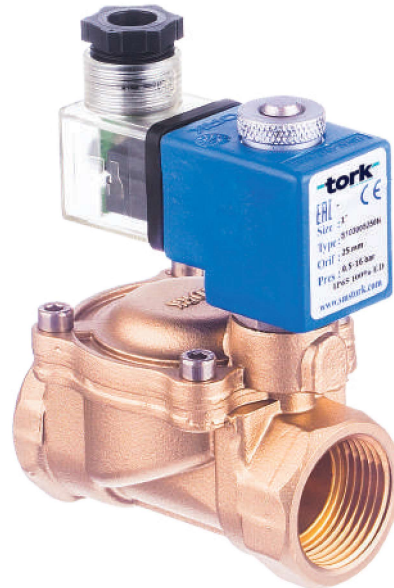
NBR : -10°C...+80°C

EPDM : -10°C...+130°C

VITON : -10°C...+160°C

PTFE : -10°C...+160°C

RUBY : -10°C...+160°C

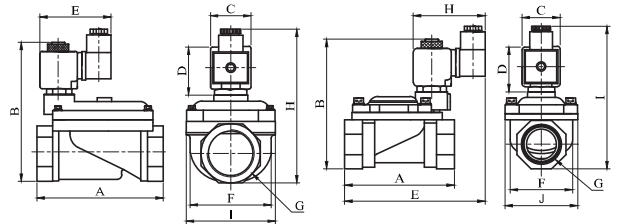


NORMALLY CLOSED

2 WAY

PILOT OPERATED

ΔP=0.5



Dimensions (mm)

	G	A	B	C	D	E	F	J	H	I
3/8"	69	97	32	45	106,5	38	52	76	112	
1/2"	69	97	32	45	106,5	40	52	76	112	
3/4"	81,3	107,9	32	45	115,8	42,1	52	76	121	
1"	87,9	115,3	32	45	122,4	51,5	60,9	76	127,5	
1 1/4"	141	143	32	45	76	96,5	-	156	110,7	
1 1/2"	139	143	32	45	76	96,5	-	156	110,7	
2"	145,6	153	32	45	76	96,5	-	165,5	110,7	

Coils	Nominal Values	Cold/Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)	
C40012VDC18W	12VDC 18W	COLD	19,56	19,56	1,63	20	
		HOT	14,52	14,52	1,21	106	
C40024VDC18W	24VDC 18W	COLD	20,88	20,88	0,87	25	
		HOT	14,64	14,64	0,61	116	
C40110VDC18W	110VDC 18W	COLD	19,96	19,96	0,18	23	
		HOT	13,56	13,56	0,123	115	
C40012VAC15VA	12VAC 15VA	COLD	23,81	16,43	1,3	25	
		HOT	-	15,86	1,262	79	
C40024VAC15VA	24VAC 15VA	COLD	25,82	15,02	0,62	22	
		HOT	-	13,91	0,57	81	
C40110VAC15VA	110VAC 15VA	COLD	30,65	15,17	0,137	24	
		HOT	-	13,96	0,126	80	
C40230VAC15VA	230VAC 15VA	COLD	31,4	15,64	0,068	25	
		HOT	-	14,41	0,063	80	
C40230VAC24VA	230VAC 24VA	SOĞUK	45,1	23,92	0,0154	23	
		HOT	-	21,62	0,0154	100	

Solenoid Valve Symbol	Valve Type/Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal			Weight
				Bar	Bar		NBR	Opsiyon Viton	EPDM	
	S1030	G	mm	Bar	Bar	l/min	✓	✓	✓	kg
	S1030.02	3/8"	12,5	0,35	16	48	✓	✓	✓	0,69
	S1030.03	1/2"	12,5	0,35	16	48	✓	✓	✓	0,73
	S1030.04	3/4"	20	0,5	16	120	✓	✓	✓	0,81
	S1030.05	1"	25	0,5	16	170	✓	✓	✓	0,98
	S1030.06	1 1/4"	30	0,5	12	250	✓	✓	✓	2,65

STANDARDS

• Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 120,3)) are available on request.

• TORK solenoid valves 97/23/EC, are available for