

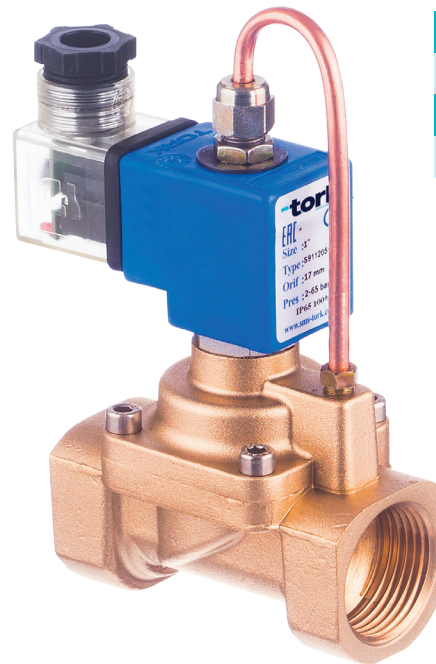
General Purpose Solenoid Valves S9112 Series (G1/8", G1/4", G3/8", G1/2", G3/4", G1")

GENERAL FEATURES

- TORK series S9112 (NO)Pilot control solenoid valves 2/2 way
- Suitable for non-aggressive liquids (water, light oil etc...) gaseous fluids (air, oxygen gas and hydrogen gas etc...)
- Minimum operating differential pressure 2 bar
- High reliability, quality and performance ;long life .
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/ECC Low Voltage Directive (LVD) Coils interchangeable
- Filter have to mount before valve
- Standart pipe connection is G (BSP) (ISO 228-1) and on request; , other pipe connection 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, 110V
 On request other voltages
 Voltages Tolerance : AC -15%, +10% DC -5%, +10%
 Frequency : 50 Hz, other frequencies on request; (60Hz)
 On request; Connector with LED, Specify coil voltage with order



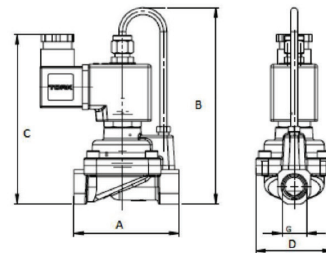
NORMALLY OPEN
2 WAY
PILOT OPERATED
ΔP=2

MATERIALS IN CONTACT WITH FLUID

- Body : Brass
 Internal Parts : Stainless steel
 Diaphragm : NBR+PTFE On request;
 VITON+PTFE
 Shading Ring : Copper
 Core, Tube, Spring : Stainless Steel

TECHNICAL FEATURES

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



Dimensions (mm)				
G	A	B	C	D
1/8"	75	133.9	115.7	52.5
1/4"	75	133.9	115.7	52.5
3/8"	72	133.9	115.7	52.5
1/2"	80	135.5	117.2	52.5
3/4"	78	142.3	124	52.5
1"	85	130.5	148.8	52.5

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
C40230VAC15VA	230VAC 24VA	COLD	45,1	23,92	0,0154	23
		HOT	-	21,62	0,0154	100

DIAPHRAGM

- NBR : -10°C...80°C
 VITON: -10°C...160°C
 PTFE : -10°C...160°C

Solenoid Valve Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Fluid Temperature		Seal		Weight
				Bar	Bar		°C		NBR + PTFE	Option VITON + PTFE	
	S9112	G	mm	Bar	Bar	L/min	min	max			✓
	S9112.00	1/8"	12.5	2	65	25	-10	+80	✓	✓	0.68
	S9112.01	1/4"	12.5	2	65	30	-10	+80	✓	✓	0.71
	S9112.02	3/8"	12.5	2	65	48	-10	+80	✓	✓	0.8
	S9112.03	1/2"	14.5	2	65	70	-10	+80	✓	✓	0.97
	S9112.04	3/4"	17	2	65	90	-10	+80	✓	✓	2.65
S9112.05	1"	17	2	65	90	-10	+80	✓	✓	2.55	