Proportional Soleonid Valve SP1010 Series (G1/8",G1/4")

NORMALLY CLOSED
2/2 WAY
DIRECT ACTING

GENERAL FEATURES

• Changing the voltage between 0-24 VDC to the coil, changes the flow rate of the valve proportionally.
• 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.
• With an additional purchase of TORK's own design Proportional Control Card, %0 - %100 flow rate can be controlled with 4 - 20 mA.



ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85)
Coil Impregnation	: Polyester Fiber Glass
Ambient Temperature	: -20°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	: DC 24V 18W (On request other voltages)
Voltages Tolerance	: DC -5%, +10%

MATERIALS IN CONTACT WITH FLUID

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

OPTIONS

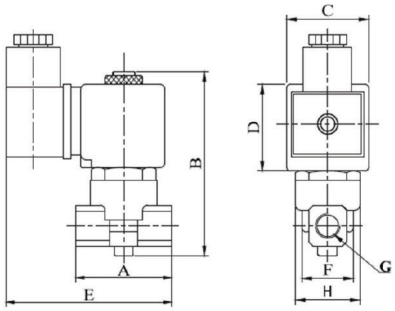
Female connection: BSP; (On request NPT)
• On request CR-Ni plated, PTFE coated done
• On request Atex (exproof) coil.

TECHNICAL FEATURES

Max. Viscosity	: 5°E (~37cST veya mm²/s)
Hysterisis	: <5%
Repeatability	: <%3
Sensitivity	: <%3

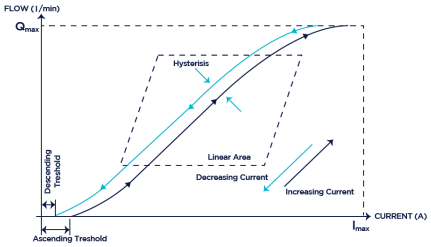
SEALS FEATURES

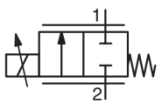
NBR	: -20°C...+80°C
EPDM	: -30°C...+130°C
VİTON	: -20°C...+160°C
PTFE	: -10°C...+160°C
RUBY	: -10°C...+160°C



Dimensions (mm)							
G	A	B	C	D	E	F	H
1/8"	40	83	32	39	78	22.3	25.6
1/4"	40	83	32	39	78	22.3	25.6

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C40024VDC18W	24VDC 18W	COLD	20,88	20,88	0,87	25
		HOT	14,64	14,64	0,61	116



Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal				Weight
								Option			
	SP1010	G	mm	Bar	Bar	Lt/dk	NBR	Viton	EPDM	PTFE	kg
	SP1010.00.010	1/8"	1	0*	10*	0.6	✓	✓	✓	✓	0,36
	SP1010.00.018	1/8"	1.8	0*	8*	1.6	✓	✓	✓	✓	0,36
	SP1010.00.020	1/8"	2	0*	6*	2.2	✓	✓	✓	✓	0,36
	SP1010.00.025	1/8"	2.5	0*	4*	3.2	✓	✓	✓	✓	0,36
	SP1010.00.030	1/8"	3	0*	3*	4.6	✓	✓	✓	✓	0,36
	SP1010.00.040	1/8"	4	0*	2*	6.4	✓	✓	✓	✓	0,36
	SP1010.01.010	1/4"	1	0*	10*	0.6	✓	✓	✓	✓	0,35
	SP1010.01.018	1/4"	1.8	0*	8*	1.6	✓	✓	✓	✓	0,35
	SP1010.01.020	1/4"	2	0*	6*	2.2	✓	✓	✓	✓	0,35
	SP1010.01.025	1/4"	2.5	0*	4*	3.2	✓	✓	✓	✓	0,35
	SP1010.01.030	1/4"	3	0*	3*	4.6	✓	✓	✓	✓	0,35
	SP1010.01.040	1/4"	4	0*	2	6.4	✓	✓	✓	✓	0,35

*Specific Pressures can be done on request.

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.