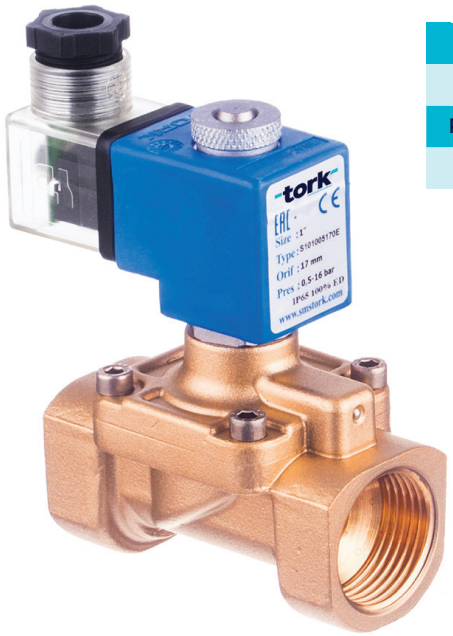
Latching Solenoid Valves
S8310 Series (G3/8", G1/2", G3/4", G1", G11/4", G11/2", G2")



LATCHING
2/2 WAY
PİLOT OPERATED
ΔP=0,5

ENERGY EFFICIENT

GENERAL FEATURES
- New design
- No continuous energy required.
- Suitable for non-aggressive liquids (water, light oil (2E) etc ...), gaseous fluids (air, inert gases etc ...)
- Working temperature: -20°C / + 80°C
- Not suitable for use with dangerous fluids listed in Group 1
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- Ideal for the automatic control of media in a wide range of applications.
- Coils interchangeable
- Solenoid valves must be used with filtered fluids.
- Solenoid valve can be mounted in any position without affecting operation; vertical with coil upwards preferred.

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 : -20°C, +60°C
Protection Degree : IP 65 (EN 60529) with coil duly fitted with the plug connector
Electric Plug Connection : DIN 46340 3-Poles Connector (DIN 43650)
Electrical Safety : IEC 335
Standard Voltages : For DC 12V,24 V Latching (Polarity(+.-). Change(-.+)
On request other voltages
Voltages Tolerance : DC -5%, +10%
On request; Connector with LED
Specify coil voltage with order

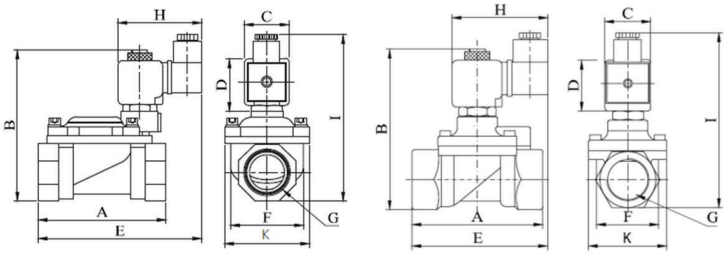
MATERIALS IN CONTACT WITH FLUID
Body : Brass
Internal Parts : Stainless Steel, Brass
Sealing : NBR
Shading Ring : Copper
Seats : Brass
Core Tube : Stainless Steel
Springs : Stainless Steel

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

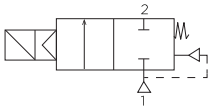
TECHNICAL FEATURES
Max. Viscosity : 5°E (~37cST or mm2/s)
Response Time : Opening Time : 400-1600 ms
Closing Time : 1000-2000 ms

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	H	I	K
3/8"	72	97.7	32	45	94.8	76	109	52.5
1/2"	80	99.2	32	45	96.2	76	110.5	52.5
3/4"	78	106	32	45	97.2	76	117.3	52.5
1"	85	112.5	32	45	98.7	76	123.8	52.5
11/4"	160.5	124.5	32	45	-	76	135.8	72
11/2"	128.5	137	32	45	-	76	148.3	95
2"	149	149	32	45	-	76	160.3	109.7



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

Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal			Weight
								Opsiyon		
	S8310	G	mm	Bar	Bar	l/min	NBR	Viton	EPDM	kg
	S8310.02	3/8"	12.5	0.5	16	45	✓	✓	✓	0,5
	S8310.03	1/2"	14.5	0.5	16	65	✓	✓	✓	0,49
	S8310.04	3/4"	17	0.5	16	120	✓	✓	✓	0,51
	S8310.05	1"	17	0.5	16	170	✓	✓	✓	0,64
	S8310.06	11/4"	30	0.5	12	390	✓	✓	✓	2,2
	S8310.07	11/2"	39	0.5	12	460	✓	✓	✓	2,1
	S8310.08	2"	46	0.5	12	580	✓	✓	✓	2,45

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

TS8310EN260925