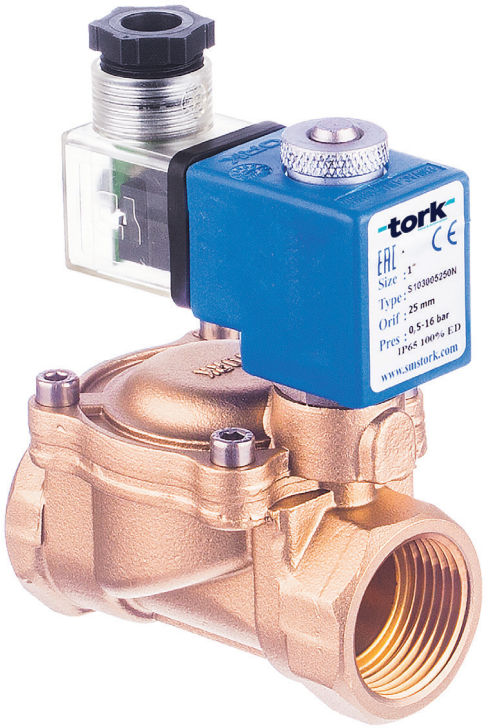
General Purpose Solenoid Valves
S8330 Series (G3/8", G1/2", G3/4", G1", G11/4", G11/2", G2")

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.



LATCHING
2/2 WAY
PILOT OPERATED
ΔP=0.5

ENERGY EFFICIENT

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	: For DC 12V,24V 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 (On request; EPDM, VİTON)
Shading Ring	: Copper (EN 12735-1)
Seats,Core Tube,Springs	: Stainless Steel, Brass

OPTIONS

Female connection: BSP; On request NPT

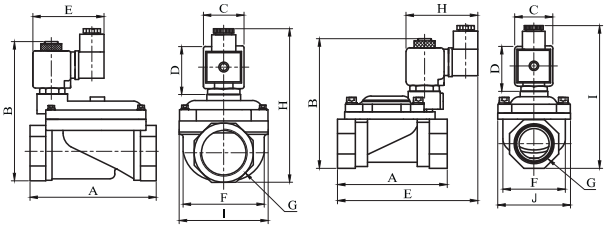
- On request CR-Ni plated, PTFE coated done.
- On request Atex (exproof) coil.

TECHNICAL FEATURES

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

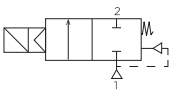
SEALS FEATURES

NBR	: -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	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
11/4"	141	143	32	45	76	96.5	-	156	110.7
11/2"	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

Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal			Weight
								Opsiyon		
	S8330	G	mm	Bar	Bar	l/min	NBR	Viton	EPDM	kg
	S8330.02	3/8"	12.5	0.35	16	48	✓	✓	✓	0,69
	S8330.03	1/2"	12.5	0.35	16	48	✓	✓	✓	0,73
	S8330.04	3/4"	20	0.5	16	120	✓	✓	✓	0,81
	S8330.05	1"	25	0.5	16	170	✓	✓	✓	0,98
	S8330.06	11/4"	30	0.5	12	250	✓	✓	✓	2,65
	S8330.07	11/2"	39	0.5	12	370	✓	✓	✓	2,55
	S8330.08	2"	46	0.5	12	450	✓	✓	✓	2,98

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.

TS8330EN260925