

Cyrogenic Solenoid Valve S9610 - S9710 Series (G1/8", G1/4", G1/2")

GENERAL FEATURES

- Liquid nitrogen (-320 ° F / -194 ° C), liquid argon (-303 ° F / -184 ° C), and liquid oxygen (-297 ° / -181 ° C)
- Internal Parts : Stainless Steel
- Seals : PTFE
- Fluid Temperature : -196°C to +90°C
- Ambient Temperature : max +50°C

ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85)
Coil Impregnation	: Polyester Fiber Glass
Protection Degree	: IP68
Electrical Safety	: IEC 335
Standard Voltages	: AC 12V 15VA, 24V 15VA, 48V 15VA, 110V 15VA, 230V 15VA, 230V 24VA DC 12V 18W, 24V 18W, 48V 18W, 110V 18W

On request other voltages

Voltages Tolerance : AC -15%, +10% DC -5%, +10%

Frequency : 50 Hz (60 Hz...)

In order, please specify coil voltage. For details, please look at coil section.

MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel
Sealing	: Graphite Teflon
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel

OPTIONS

Female connection: BSP; (On request NPT)

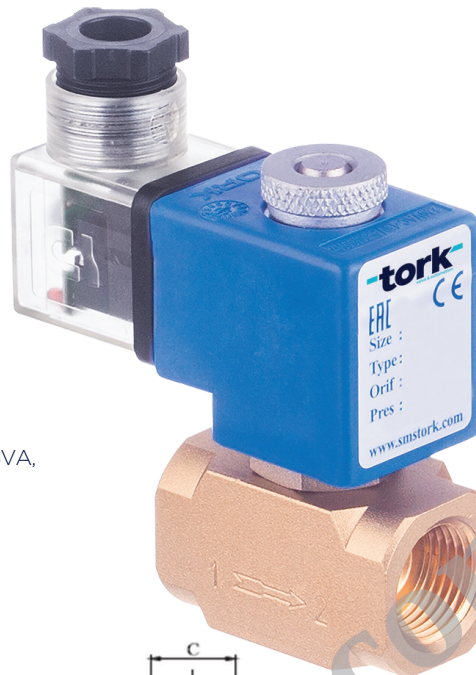
- On request Atex (exproof) coil.

TECHNICAL FEATURES

Max. Viscosity : Max. 21 mm2/s

Response Time : Opening time : 30 - 40 ms

Closing Time : 30 - 40 ms

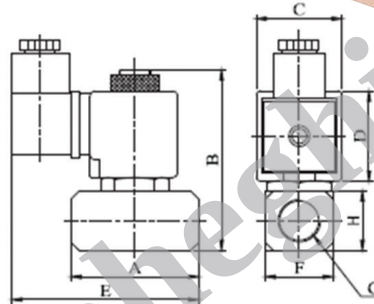


NORMALLY CLOSED

2/2 WAY

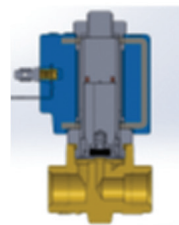
DIRECT ACTING

ΔP=0

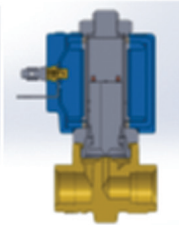


Dimensions (mm)

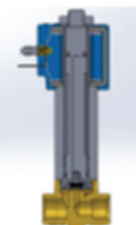
G	A	B	C	D	E	F	H
1/8"	50	80.5	32	38.9	79.5	25	25
1/4"	50	80.5	32	38.9	79.5	25	25
3/8"	50	80.5	32	38.9	79.5	25	25
1/2"	50	80.5	32	38.9	79.5	25	25



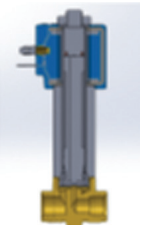
Short Tube
Flat Sealing



Short Tube
Conic Sealing



Long Tube
Flat Sealing



Long Tube
Conic Sealing

Solenoid Valve Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal	Weight	Tube, Sealing Features
	S9610 - S9710	G	mm	Bar	Bar	Lt/dk	PTFE	kg	
	S9610.00.010T	1/8"	1	0	100	0.6	✓	0,68	Short Tube, Flat Sealing
	S9610.00.018T	1/8"	1.8	0	50	1.6	✓	0,68	Short Tube, Flat Sealing
	S9610.00.030T	1/8"	3	0	16	4.6	✓	0,68	Short Tube, Flat Sealing
	S9610.00.045T	1/8"	4.5	0	8	7.5	✓	0,68	Short Tube, Flat Sealing
	S9610.00.030T - BK	1/8"	3	0	16	4.6	✓	0,68	Short Tube, Flat Sealing
	S9610.00.045T - BK	1/8"	4.5	0	8	7.5	✓	0,68	Short Tube Flat Sealing
	S9610.01.010T	1/4"	1	0	100	0.6	✓	0,67	Short Tube, Flat Sealing
	S9610.01.018T	1/4"	1.8	0	50	1.6	✓	0,67	Short Tube, Flat Sealing
	S9610.01.030T	1/4"	3	0	16	4.6	✓	0,67	Short Tube, Flat Sealing
	S9610.01.045T	1/4"	4.5	0	8	7.5	✓	0,67	Short Tube, Flat Sealing
	S9610.01.030T - BK	1/4"	3	0	16	4.6	✓	0,67	Short Tube, Conic Sealing
	S9610.01.045T - BK	1/4"	4.5	0	8	7.5	✓	0,67	Short Tube, Conic Sealing
	S9610.02.070T	1/2"	7	0	5	12.4	✓	0,63	Short Tube, Flat Sealing
	S9610.02.070T - BK	1/2"	7	0	5	12.4	✓	0,63	Short Tube, Conic Sealing
	S9710.00.030T	1/8"	3	0	16	4.6	✓	0,95	Long Tube, Flat Sealing
	S9710.01.030T	1/4"	3	0	16	4.6	✓	0,95	Long Tube, Flat Sealing