

Solenoid Valve for Agricultural Irrigation and Spraying Applications, Compatible with Corrosive Fluids

G1/8", G1/4", G3/8", G1/2", G3/4" ve G1"



• NORMALLY CLOSED • 2/2 WAY

• DIRECT ACTING

Direct-acting solenoid valves are available in G1/8", G1/4", G3/8", G1/2", G3/4" and G1" sizes. Designed as 2/2-way normally closed, they are suitable for agricultural irrigation and spraying systems where corrosive, acidic, or alkaline fluids are present

General Features

- Wide range of pressure, flow rate, and orifice options available
- Solenoid valves must be used with a filter.
- Can be mounted in any position without affecting operation; coil upright vertical position is recommended
- TORK SS8460 direct-acting stainless steel solenoid valve: 2-way, normally closed, compact body
- TORK S8453 direct-acting PVC body solenoid valve: 2-way, normally closed, compact body
- Operating temperature: -10 °C / +160 °C
- Pressure differential: 0 bar

Electrical Characteristic

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85)
Coil Impregnation	: Reinforced Fiberglass
Ambient Temperature	: -10°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	: 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...)
On request; Connector with LED, PWM Socket Specify coil voltage with order	



Materials in contact with fluid

Body	: AISI 316 Stainless Steel (SS8460) or PVC (S8453)
Internal Parts	: Stainless Steel
Sealing	: Viton
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	:Stainless Steel

Options

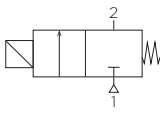
Female connection: BSP; (On request NPT)
On request Atex (exproof) coil.

Technical Features

Max. Viscosity : 5°E (-37cST or mm2/s)
Response Time : Opening time : 30 ms
Closing Time : 30 ms

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Solenoid Valve Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Sealing	Weight
	SS8460-NI S8453	G	mm	Bar	Bar	Lt/min	Option VITON	kg
	SS8460.00.018	1/8"	1,8	0	16	1,6	✓	0,44
	SS8460.00.025	1/8"	2,5	0	12	3,2	✓	0,44
	SS8460.00.030	1/8"	3	0	10	4,6	✓	0,44
	SS8460.00.040	1/8"	4	0	9	6,4	✓	0,44
	SS8460.00.050	1/8"	5	0	7	9,2	✓	0,44
	SS8460.00.060	1/8"	6	0	6	11	✓	0,44
	SS8460.01.018	1/4"	1,8	0	16	1,6	✓	0,44
	SS8460.01.025	1/4"	2,5	0	12	3,2	✓	0,44
	SS8460.01.030	1/4"	3	0	10	4,6	✓	0,44
	SS8460.01.040	1/4"	4	0	9	6,4	✓	0,44
	SS8460.01.050	1/4"	5	0	7	9,2	✓	0,44
	SS8460.01.060	1/4"	6	0	6	11	✓	0,44
	SS8460.02.040	3/8"	4	0	9	6,4	✓	0,44
	SS8460.02.050	3/8"	5	0	7	9,2	✓	0,44
	SS1050.02.060	3/8"	6	0	6	11	✓	0,44
	SS8460.02.070	3/8"	7	0	7	12,4	✓	0,44
	SS8460.02.080	3/8"	8	0	3	13,5	✓	0,44
	SS8460.02.090	3/8"	9	0	2	19	✓	0,44
	SS8460.03.050	1/2"	5	0	7	9,2	✓	0,44
	SS8460.03.060	1/2"	6	0	6	11	✓	0,44
	SS8460.03.070	1/2"	7	0	5	12,4	✓	0,44
	SS8460.03.080	1/2"	8	0	3	13,5	✓	0,44
	SS8460.03.090	1/2"	9	0	2	16	✓	0,44
	SS8460.04.050	3/4"	5	0	7	9,2	✓	0,79
	SS8460.04.060	3/4"	6	0	6	11	✓	0,79
	SS8460.04.070	3/4"	7	0	5	12,4	✓	0,79
	SS8460.04.080	3/4"	8	0	3	13,5	✓	0,79
	SS8460.05.050	1"	5	0	7	9,2	✓	0,77
	SS8460.05.060	1"	6	0	6	11	✓	0,77
	SS8460.05.070	1"	7	0	5	12,4	✓	0,77
	SS8460.05.080	1"	8	0	3	13,5	✓	0,77
	S8453.01.030	1/4"	3	-1	6	4,6	✓	0,4
	S8453.01.040	1/4"	4	-1	4	6,4	✓	0,39
	S8453.02.040	3/8"	4	-1	4	6,4	✓	0,39
	S8453.02.070	3/8"	7	-1	1	12,4	✓	0,39
	S8453.03.070	1/2"	7	-1	1	12,4	✓	0,39
	S8453.04.070	3/4"	7	-1	1	12,4	✓	0,39
	S8453.03.070	1/2"	7	-1	1	12,4	✓	0,41
	S8453.05.070	1"	7	-1	1	12,4	✓	0,41

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C40012VDC18W	12VDC 18W	SOĞUK	19,56	19,56	1,63	20
		SICAK	14,52	14,52	1,21	106
C40024VDC18W	24VDC 18W	SOĞUK	20,88	20,88	0,87	25
		SICAK	14,64	14,64	0,61	116
C40110VDC18W	110VDC 18W	SOĞUK	19,96	19,96	0,18	23
		SICAK	13,56	13,56	0,123	115
C40012VAC15VA	12VAC 15VA	SOĞUK	23,81	16,43	1,3	25
		SICAK	-	15,86	1,262	79
C40024VAC15VA	24VAC 15VA	SOĞUK	25,82	15,02	0,62	22
		SICAK	-	13,91	0,57	81
C40110VAC15VA	110VAC 15VA	SOĞUK	30,65	15,17	0,137	24
		SICAK	-	13,96	0,126	80
C40230VAC15VA	230VAC 15VA	SOĞUK	31,4	15,64	0,068	25
		SICAK	-	14,41	0,063	80
C40230VAC15VA	230VAC 24VA	SOĞUK	45,1	23,92	0,0154	23
		SICAK	-	21,62	0,0154	100