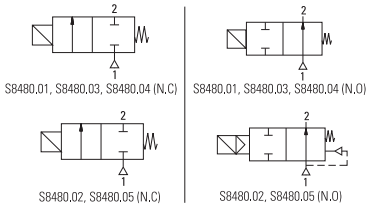
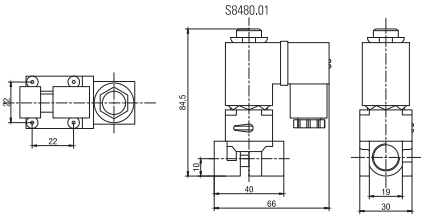
ISOLATION & PLASTIC SOLENOID VALVES
S8480 / S8490 SERIES (G1/8", G1/4")

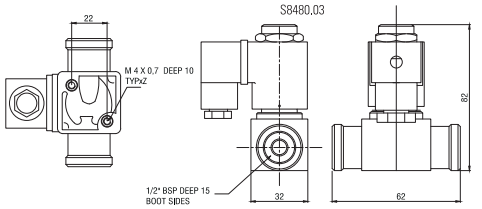


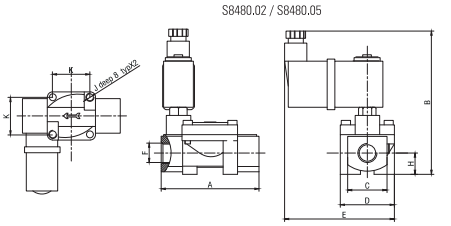
NORMALLY CLOSED
2/2 WAY
DIRECT OPERATED
ΔP=0

GENERAL FEATURES
• These solenoid valves are recommended for use in application where corrosive fluid must be controlled, such as chemical process . water treatment . analysis device etc ... (for S8480.01-S8480.03 and S8480.04)
• These solenoid valves are recommended for use in application where high flow at high pressure is required. (for S8480.02 and S8480.05)
• The typical applications are; industrial furnaces. heating equipments. burners. oil and gas. autoclaves. dental equipments. instrumentation. car washers. machine industries and irrigation (for S8480.02 and S8480.05)
• Minimum operating differential pressure 0,5 (for S8480.02 and S8480.05). no differential pressure requied for S8480.01-S8480.03 and S8480.04
• Suitable for non-aggressive liquids (water.acid, light oil (2E) etc ...). gaseous fluids (air. inert gases etc ..) (for S8480.01 . S8480.03 and S8480.04)(don't use acid for S8480.02 and S8480.05)
• Suitable to work only with AC 8W-5,5W and DC 1 OW-5,5W coils (for S8480.01 normally closed and normally open). Suitable to work only with AC SW (for S8480.03 normally closed) . AC1 OW-5,5W and DC 10W coils (for S8480.03 normally open). Suitable to work only with AC 65VA and DC 38W coils (for S8480.04 normally closed)
• All valves are assembled with seal coil nut, lower coil gasket and impregnated coil (for S8480.03)
• Plastic manual override (only S8480.01 ° normally closed types)
• Working Temperature : -20 °C / +80 °C (for S8480.01-S8480.02-S8480.05) and +5"C / +50"C (for S8480.03-S8480.04)
• Specifiy is application is pressure or vacuum (for S8480.03-S8480.04-S8480.05). They can be used for industrial and irrigation control and automation systems .On request normally open but that type has not manual override .. To order valves manufactured to your spesific requirements, please contact our technical department. Not suitable for use with dangerous fluids listed in Group 1.Compact and low weight valve enabling easy and quick installation .High reliability . quality and performance. long life . corrosion resistance
• Coils interchangeable. Flow factor Kv of each valve is indicated. so that the flow Q can be calculated as a function of pressure.Solenoid valves must be used with filtered fluids. Solenoid valve can be mounted in any position without affecting operation; vertical with coil upwards preferred. Standard pipe connection is G (BSP) (ISO 228- 1) and on request other pipe connections are available (NPT (ANSI 1.20.3))
• On request explosion proof coil









ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED% 1 OD, Coil Insulation Class: H (1 BO"C), Coil Impregnation: °Polyester Fiber Glass
Coil Encapsulation Material	: Fiber Glass Reinforced, AmbientTemperature : from -20 °C ; +50 °C
Protection Degree	: IP 65 (EN 60529) with coil duly fitted with the plug connector
Electric Plug Connection	: DIN 46340 3-poles connectors (DIN 43650)
Connector Specification	: ISO 4400 / EN 175301-803, Form A, Spade plug (Cable Ø 6-8 mm)
Electrical Safety	: IEC 335
Standard Voltages	: For AC 12V, 24V, 48V, 11 DV, 230V For DC 12V, 24V, 48V, 110 V
Other voltages on request	
Voltage Tolerances	: For AC and DC %-5 ; %+ 1 D. Frequencie : 50 Hz. other frequencies on request (60 Hz)

On request; connector with LED
Specify coil voltage with order

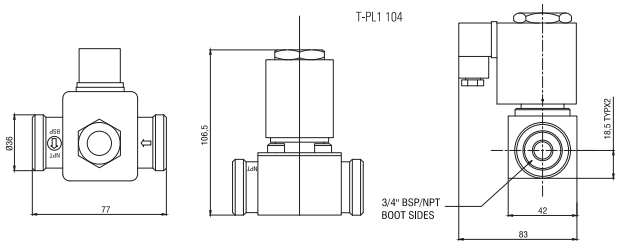
MATERIALS IN CONTACT WITH FLUID

Body	: Reinforced PPA (for S8480.01), PVC (for S8480.03 and S8480.04), Nylon 66 (for S8480.02-S8480.05)
Internal Parts	: Stainless Steel
Sealing	: FPM (VITON)
Shading Ring	: Copper
Seats	: Reinforced PPA
Core Tube	: Stainless Steel
Springs	: Stainless Steel

On request; sealing can be EPDM

Fluids Temperature for EPDM from -20°C ; +80°C
S8480.01 normally open pressure range is from 0 bar to 1 bar.
S8480.03 normally open pressure range is from 0,4 bar to 0,5 bar.
Note: Normally open series pressure range 0-1 bar.

Dimensions (mm)								
Size	A	B	C	D	E	H	J	K
3/8"	58	86	22	32	65	11	M5X0.8	22
1/2"	70	90	27	38	68	13,5	M5X0.8	22



Valve Type / Order no	Connection Size	Orifice Size	Pressure min	Pressure max	KV	Fluid Temperature °C min	Fluid Temperature °C max	Seal	Weight
S8480	G	mm	bar	bar	lt/min				kg
S8480.01.045	1/4"	4,5	0	2,5	5	-20	90	VITON	0,2
S8480.03.080	1/2"	8	0	0,7	10	-20	50	VITON	0,35
S8480.04.140	3/4"	14	0	3	45	-20	50	VITON	0,4

Valve Type / Order no	Connection Size	Orifice Size	Pressure min	Pressure max	KV	Fluid Temperature °C min	Fluid Temperature °C max	Seal	Weight
S8490	G	mm	bar	bar	lt/min				kg
S8490.01.045	1/4"	4,5	-1	0	5	-20	90	VITON	0,2
S8490.03.080	1/2"	8	-0,4	0,5	10	-20	50	VITON	0,35
S8490.04.140	3/4"	14	-1	0,5	45	-20	50	VITON	0,4

TSS8480EN260925