

THREADED BSP SOLENOID VALVE

TECHNICAL PASSPORT

EV6100

PILOT OPERATED SOLENOID VALVE NORMALLY CLOSED - STAINLESS STEEL BODY

APPLICATION

Solenoid valves are used for applications requiring perfect control of fluid flow.

Area of use: water distribution network, irrigation system, power generation, plumbing industrial washing machines, car wash plants, cooling of machine tools, water jet cleaners, autoclaves, irrigation systems, etc..



Fluids : Clear water, hot water, steam, aggressive fluids.



GENERAL CHARACTERISTICS

Range : from DN3/8" to DN2".

Pilot operated solenoid valve.

High flow rate, short reaction time.

Robust and reliable design.

Internal parts (tube, plunger, spring) in stainless steel.

FPM seal.

Protection class IP65.

The solenoid valves are mounted on horizontal piping in the direction indicated by the arrow on the body with the coil on top.

STANDARDS

Connection	BSP threaded connection according to ISO 228-1.
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The photographs and technical art works are not contractual. The specifications of the presented products are open to modifications without previous advice

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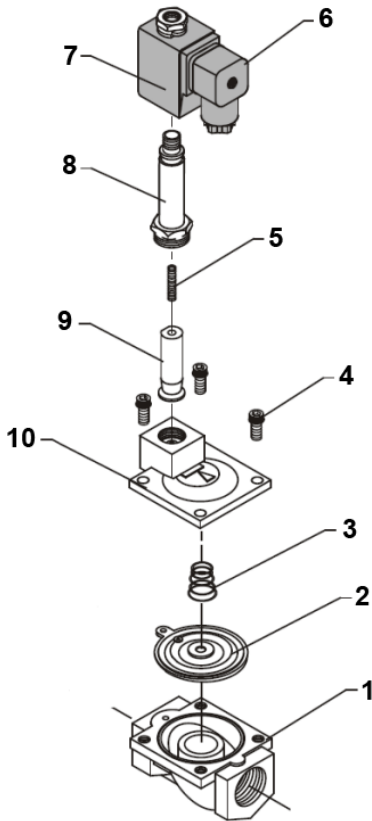


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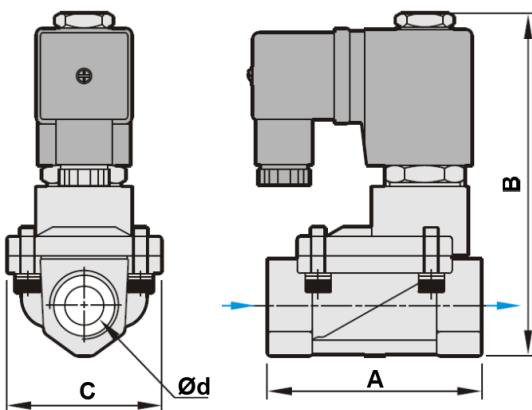
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CONSTRUCTION



Pos.	Description	Material
1	Body	Stainless steel 1.4408
2	Diaphragm	FPM
3	Spring	Stainless steel
4	Screw	Stainless steel 1.4301
5	Spring	Stainless steel
6	Connector	Plastic
7	Coil	PBT + 30% fiber of glass
8	Tube guide	Stainless steel 1.4301
9	Plunger	Stainless steel 1.4301
10	Cover	Stainless steel 1.4408

DIMENSIONS



DN		$\varnothing b$	A	B	C	Weight (kg)
mm	inch					
10	3/8"	13	66.5	106.5	48	0.75
15	1/2"	13	66.5	106.5	48	0.74
20	3/4"	25	99	126.5	70	1.57
25	1"	25	99	126.5	70	1.44
32	1 1/4"	38	131	145.5	96	2.66
40	1 1/2"	38	131	145.5	96	2.45
50	2"	50	160	160.5	112	3.80

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HYDRAULIC CHARACTERISTICS

DN		Kv (m³/h)	Differential pressure (bar)		Operating time (s)
mm	inch		Maximum	Minimum	
10	3/8"	3.4	10	0.5	2.-60 ms
15	1/2"	3.4	10	0.5	2.-60 ms
20	3/4"	8.9	10	0.5	2.-60 ms
25	1"	8.9	10	0.5	2.-60 ms
32	1"1/4	15.8	10	0.5	50-80 ms
40	1"1/2	21.3	10	0.5	50-80 ms
50	2"	34.1	10	0.5	50-80 ms

ELECTRIC CHARACTERISTICS

Coil	Current	Voltage (V)				Frequency		Power consumption
		24	48	110	230	50 Hz	60 Hz	
AC Coil		24	48	110	230	50 Hz	60 Hz	18.1 VA
DC Coil		12	24					15 W

Coil classified F, Duty 100%. Connecting by connector T30.

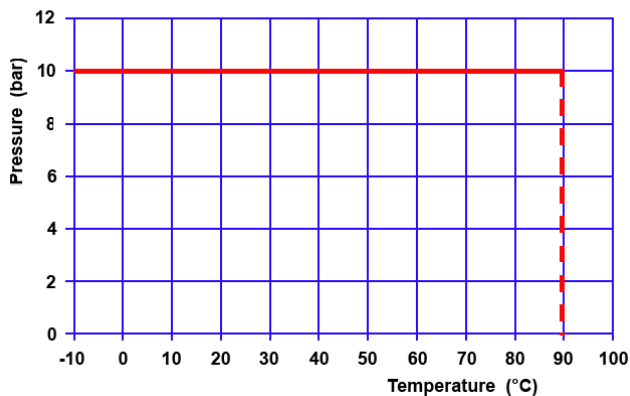
WORKING CONDITIONS

Fluid pressure : 0.5 - 10 bar

Working temperature: -10°C / +90°C (NBR)

Ambient working temperature : -20°C / +60°C

(In direct current, over 40°C of ambient temperature, the maximum differential pressure can be reduced.)



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