

SOLENOID CONTROL VALVE TYPE EVB 82

FEATURES

The solenoid valve EVB 82 is intended for the automatic shutt off the water pipes of large size until the size DN 300. Normally closed, the remote opening of the solenoid valve is made by the application of an electric current on the pilot. It has a manual lever. The water must be clear of particles and the installation of a protection's strainer upstream is recommended. Respect the sense of the flow. Do not use on compressible fluids (Compressed air..).

AVAILABLE MODELS

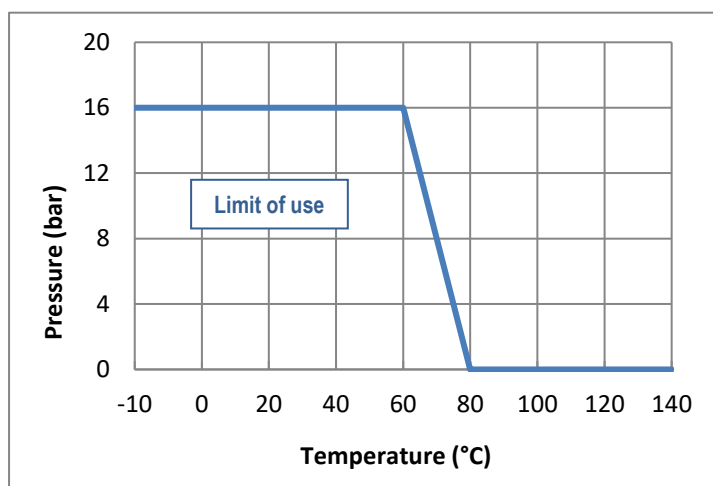
Cast iron body PN 16, connecting with flanges PN 16.
Diameter DN 50 to DN 300.
Voltages 230V CA, 110V CA, 48V CA, 24V CA/CC, 12V CC.
Normally closed.

REGULATION AND STANDARDS OF CONSTRUCTION

Article 4 § 3 – Use forbidden on group I gases

LIMITS OF USE

Fluids	Water
Max allowed fluid pressure : PS	16 bar
ΔP Upstream-downstream	$0,3 \text{ bar} < \Delta P < 10 \text{ bar}$
Max allowed fluid temperature : TS	$-10^{\circ}\text{C} / +80^{\circ}\text{C}$
Room temperature	$-10^{\circ}\text{C} / +60^{\circ}\text{C}$
Duty factor	ED 100%



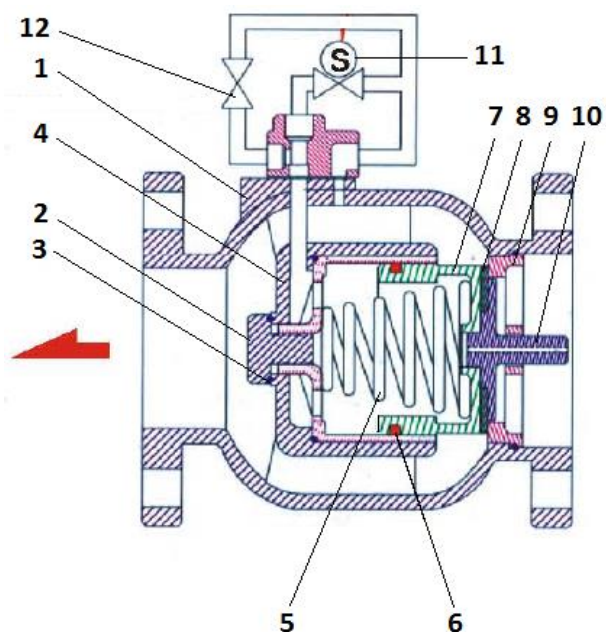
Information given as an indication only, and subject to possible modifications

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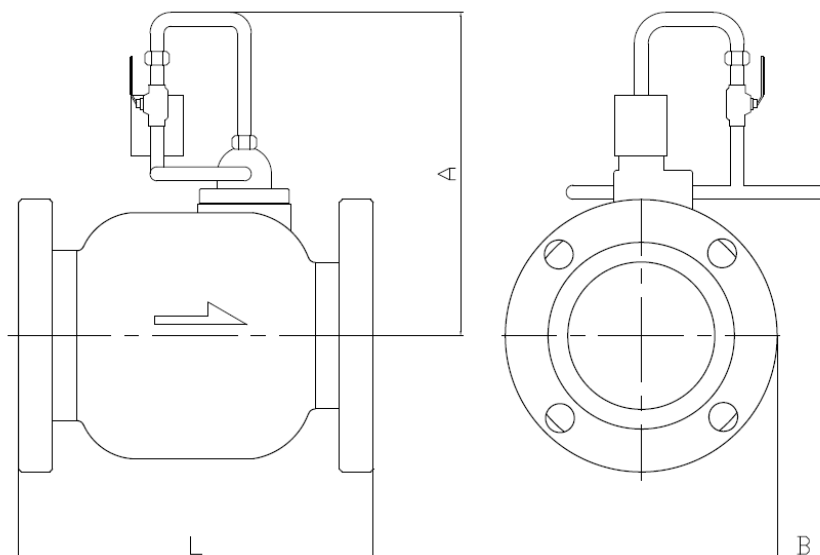
CONSTRUCTION

n°	Item	Material
1	Body	Cast iron
2	Cylinder's screw	Brass
3	O-ring	NBR
4	Cylinder	Bronze
5	Spring	Stainless steel
6	U-ring	NBR
7	Piston	Bronze
8	Gasket	NBR
9	Seat	Bronze
10	Intake pressure	Bronze
11	Pilot's solenoid valve	Brass
12	manual lever	Brass



DIMENSIONS (mm)

DN	50	65	80	100	125	150	200
L	190	210	225	255	285	315	420
A	187	192	207	219	242	257	297
B	50	40	30	20	10	-	-
Weight (kg)	13,5	15,5	20,5	26,5	38,5	51,5	95,5



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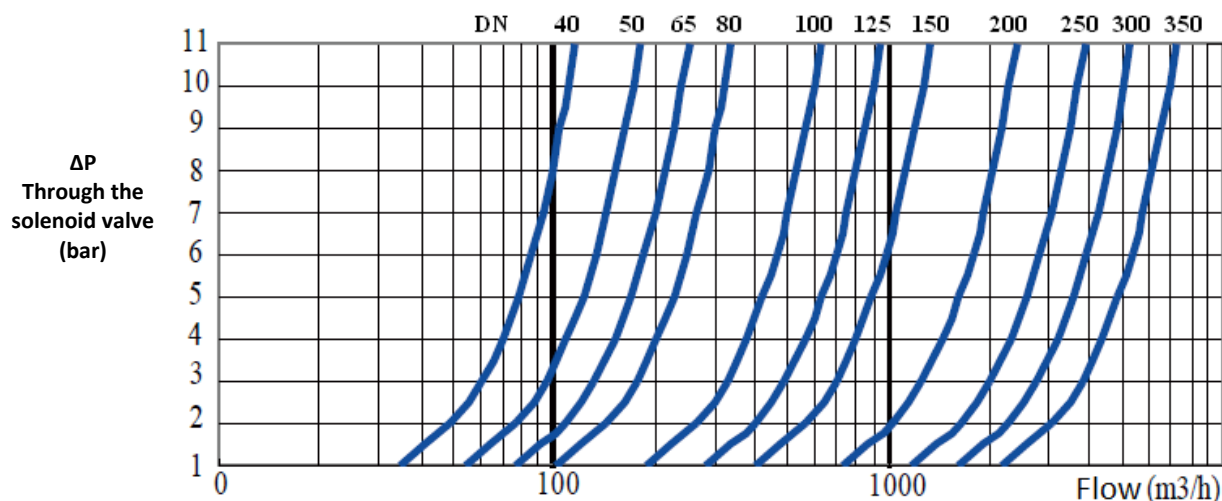
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FLOW COEFFICIENTS (Kv)

DN	50	65	80	100	125	150	200	250	300
Kv	64	89	119	222	333	470	854	1367	1880

FLOWRATE DIAGRAM (Kv)



OPTIONS

There are several options for which we ask you to consult our sales department:

1	Bronze body
2	NO Operating

INSTALLATION

1. Plan a protection's strainer upstream of the solenoid valve and stop valves upstream and downstream.
2. Respect the sense of the flow indicated on the body of the solenoid valve.
3. Avoid the assembly of the solenoid valve with pilot upside down.
4. Make sure there is enough ΔP between upstream and downstream.
5. Verify the adequacy of the flanges of the piping to the standard EN 1092-1 PN16.
6. Verify that the space between the flanges of the pipe corresponds to the face to face dimension of the solenoid valve.
7. Fix the flanges of the solenoid valve by using gaskets and adapted bolts.
8. Verify that the planned power supply voltage corresponds to that written on the coil of the pilot.
9. Proceed to the electrical connection of the pilot by using the connector of connecting.
10. Put the manual lever in the closed position.
11. Proceed to a operating test.

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