



Modulating Float Valve Mod. IM-GAL

Hydraulic function

The hydraulic valve mod. IM-GAL is an automatic control level valve, that assures to maintain a maximum level in a water tank.

Operation principle

The valve mod. IM-GAL operates using a 2 ways horizontal float piston rod (mod.GAL) that determines the opening or the total closing of the valve accordingly on the filling level of the tank.

The float is placed within the tank, in correspondence of the required maximum level, while the valve it is settled to its outside, in the entrance pipe, and it connects itself hydraulically to the float by means of a pipe of sufficient length. The float normally maintains the valve closed. When the level of the tank begins to fall, the floating moves down and opens the discharging way, allowing to the valve to open itself progressively.

Once the tank is filled up again, the float returns to his horizontal position causing the total closing of the valve.

The valve IM-GAL manoeuvre is slow and progressive not to generate dangerous overpressures in the pipe. Its intervention speed is regulated by a needle valve, adjusted in factory and sealed.

The valve IM-GAL installation must concern the following limit functional:

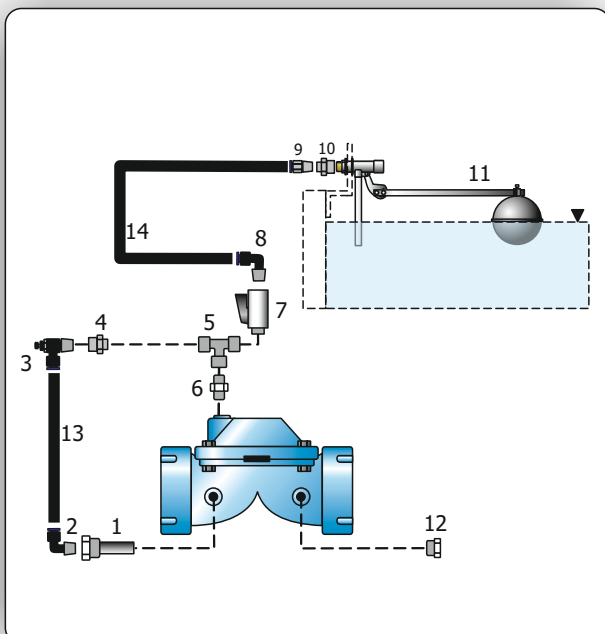
- 15 meters maximum distance between float and body valve
- 10 meters maximum drop between valve and high level
- downstream pressure must be superior to 1/3 of the upstream pressure.

Consult the manufacturer for installations outside the limit indicated.

First installation

- place the float control pilot in the reservoir or in the tank in correspondence of the wished maximum level and with the lever in horizontal position.
- connect the float control pilot to the valve control circuit with pipe of suitable diameter making sure its watertightness.
- open the ball valve and give pressure to the main pipe.

Assembly scheme



Accessories characteristics

Floater GAL 1/2"

Typo: 2 ways - modulating
Installation: horizontal
Body: brass
Piston rod: stainless steel
Sphere: polypropylene PP
Connection: Ø1/2" F BSP
Nominal Pressure: 16 bar



Available variants

Floater GAL 3/4"

Type: 2 routes - modulante
Installation: horizontal
Body: brass
Piston rod: stainless steel
Sphere: polypropylene PP
Connection: Ø3/4" F BSP
Nominal Pressure: 16 bar



Recommendations

- not disassemble to the valve or its circuit when the pipe is in pressure.
- not use with pressures superiors to the Nominal values.

LEGEND:

- 1 - Filter Ø1/4" M-1/8" F
- 2 - Elbow Ø1/8" M pipe Ø 6 mm
- 3 - Needle Valve Ø1/8" M tubo Ø 6 mm
- 4 - Reduction Ø1/8" F-Ø1/4" M
- 5 - Tee Ø1/4" F-Ø1/4" F-Ø1/4" F
- 6 - Nipple Ø1/4" M
- 7 - Ball valve Ø1/4" M-F
- 8 - Elbow Ø1/4" M pipe Ø 8 mm
- 9 - Straight Ø1/4" M pipe Ø 8 mm
- 10 - Coupling Ø1/2" F-Ø1/4" F
- 11 - Modulating Float Control Pilot GAL Ø1/2" M
- 12 - Plug Ø1/4" M
- 13 - Micropipe HDPE Ø 6 mm
- 14 - Micropipe HDPE Ø 8 mm

NOTES:

- fittings and micropipe Ø 8 mm for valves of Ø6" or superior.
- the technical characteristics can change without prior notice.