



Programmable Valve Mod. IM-PROG

Hydraulic Function

The hydraulic valve mod. IM-PROG is an automatic electrohydraulic on-off valve equipped with an electronic battery programmer that allows to open and to close the valve accordingly to a 7 days calendar.

Operation Principle

The valve mod. IM-PROG is controlled by a 3 ways electrohydraulic valve latch type (mod.EL-BI) that controls the opening and the closing accordingly to the daily timetables memorized in the programmer (mod.PROG).

The low consumption latch type solenoid puts in communication the chamber with the pressurized water, maintaining the valve normally closed.

When the programmer activates the solenoid, the water in the chamber will be discharged to the atmosphere and the valve opens totally.

When finish the time of programmed irrigation, the valve returns to close totally.

The solenoid is powered by the same programmer who works with alkaline battery of 9 V DC.

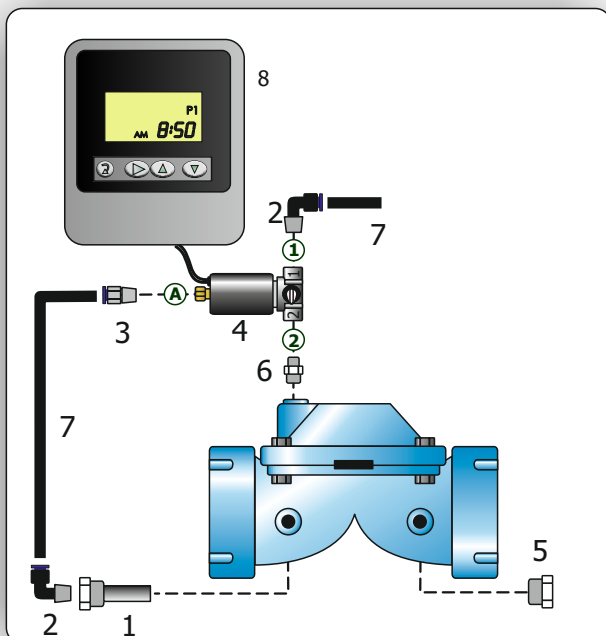
The programmer (mod.PROG) allows to select the days and the irrigation schedules accordingly different programming options (an irrigation every day, an irrigation in selected days, more irrigations in selected days).

For the programmer instructions check the manual of 1 Station Programmer mod.PROG.

First Installation

- activate the irrigation programmer and follow the instructions for setting the wished program.
- IM-PROG valve does not require specific operations during first installation, only needs to execute some opening and closing maneuvers to evacuate all the air from the control chamber.

Assembly Scheme



Accessories Features



3 Way Latch Solenoid EL-BI

Type: 3 way - 2 wire - Latch
Body: nylon
Connections: Ø1/8" F BSP
Nominal Pressure: 10 bar
Tension: 9-12V DC
Protection: IP66



Programmer PROG

Assembly: stainless steel support
Temperature: -10° ÷ 60°C
Battery: alkaline 9V DC
Protection: IP67

Recommendations

- do not disassemble the valve or its circuit when the pipe is in pressure.
- do not use with pressures beyond Nominal values.
- substitute the battery every 12 months

LEGEND:

- 1 - Filter Ø1/4" M-1/8" F
 - 2 - Elbow Ø1/8" M pipe Ø 6 mm
 - 3 - Straight Ø1/8" M pipe Ø 6 mm
 - 4 - Solenoid EL Ø1/8" F
 - 5 - Plug Ø1/4" M
 - 6 - Reduction Nipple Ø1/4" M-1/8" M
 - 7 - Micropipe HDPE Ø 6 mm
 - 8 - Programmer PROG
- Ⓐ - Water Inlet
① - Discharge
② - Common

NOTES:

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