

PRODUCT TECHNICAL SPECIFICATIONS

SOLENOID VALVES



1. EXTENT

Solenoid Valves operating with 9V and 24V for automatic irrigation controls in landscape irrigation systems

2. IMPLEMENTATION

Provides flow control in landscaping and irrigation systems.

3. MATERIAL PROPERTIES

- Guaranteed Pressure Value; Max. 10 Bar

Working range: 1.0 – 10.0 bar; 100 – 1000 kPa

Maximum Working Temperature: 66°C

Body Material: PVC

Mounting Thread: Internal Thread – BSP / NPT

For 1"; Flow rate range: 0.05 – 9.0 m³/hour; 0.7 – 150 lt/min

For 1 ½"-2"; Flow rate range; 5 – 27 m³/hour – 75 – 450 lt/min

- Ideal for automatic control of the product in wide application options
- Replaceable coil (9V-24V common thread)
- Durable diaphragm seal
- Easy maintenance and cleaning
- 100% test and control
- Manual air release and on-off feature

SOLENOID SPECIFICATIONS;

For 24V Solenoid:

- Min. 19VAC Max 28VAC working voltage
- 24VAC 60Hz inrush current value 370mA, Holding current value 230mA
- 24VAC 50Hz inrush current value 400mA, Holding current value 250mA
- Internal resistance 23 Ohm

For 9V Solenoid:

- Type, Bistable Latching Solenoid = double (state) latching Solenoid
- Min. 6VDC Max 11VDC working voltage
- 2A inrush current value, pulse duration Max. 50ms
- Internal resistance 7 Ohm

4. APPEARANCE

When viewed without a magnifying glass, the internal and external surfaces of solenoid valves shall be smooth and clean, free from any flaking, pitting or other surface defects that would prevent their compliance with this International Standard.

No component of the insert shall show any signs of damage, scratches, pitting, swelling, blistering or cracking that would compromise the conformity of the part to the provisions of this International Standard.

5. PACKAGING

Solenoid valves are placed on the market in the specified quantity packaged in a box to prevent damage during transportation.

6. MARKING

Solenoid Valves offered to the market on the product or parcel;

- Brand information (POELSAN),
- Design Pressure (PN),
- Nominal Diameter ("),
- Connection type (BSP/NPT)
- Manufacturing Date
- Name of the product, code,
- Dimensions of the product,
- Quantity of the product,
- Company name, address and other information (brand etc.),

7. USAGE INFORMATION

- Teflon tape etc. should be used in the assembly of the threaded part,
- The air bleed screw on the valve should be used to remove air from the system,
- Solenoid valves can be installed in any position without affecting the process; it is recommended to be vertical with the coil up.

8. PRODUCT DIMENSIONS

Material Code	Material Name
SV100B	1" SOLENOID VALVE WITHOUT FLOW ADJUSTMENT - 9 V
SV100E	1" SOLENOID VALVE WITHOUT FLOW ADJUSTMENT - 24V
SV151B	1 ½" SOLENOID VALVE FLOW ADJUSTABLE - 9V
SV151E	1 ½" SOLENOID VALVE FLOW ADJUSTABLE - 24V
SV201B	2" SOLENOID VALVE FLOW ADJUSTABLE - 9V
SV201E	2" SOLENOID VALVE FLOW ADJUSTABLE - 24 V

- 1" Dimensions (W-L-H); 70 – 112 – 134 mm
- 1 ½" Dimensions (W-L-H); 109 – 139.5 – 195 mm
- 2" Dimensions (W-L-H); 129.5 – 164 – 218 mm