

Solenoid valves

RN 180



The RN 180 solenoid valve is designed for optimal handling of large flow rates, making it suitable for irrigating sports and agricultural facilities with flow rates from 200 l/min to 1,100 l/min. RN 180 is available with 2" and 3" female threads and 24 Vac and 9 Vdc voltages. Certified as PN12, all its components are tested up to 14 bar before leaving the factory.

Technical Features

- Threads available: 2" F, 3" F
- Solenoid type: 24 Vac - normally closed, 9 Vdc - latching
- Minimum pressure: 1 bar
- Maximum pressure: 15 bar
- Minimum operating flow rate: 200 l/min
- Maximum operating flow rate: 1100 l/min
- Minimum operating temperature: 4°C
- Maximum operating temperature: 70°C
- Diaphragm type: In assembled parts
- Manufacturing material: Glass fiber PA 6 30%
- Manual opening with security key (provided)
- Solenoid inrush absorption 24 Vac: 0,43 A
- Absorption at solenoid maintenance 24 Vac: 0,21 A
- PN 12

Codice	Name	Model
100.1802510	RN 180	24VAC - 2"F
100.1803410	RN 180	24VAC - 3"F
100.1883410	RN 180	24VAC - 3"F - PR
100.1882510	RN 180	24VAC - 2"F - PR
164.1802510	RN 180	9VDC - 2"F
164.1803410	RN 180	9VDC - 3"F
164.1882510	RN 180	9VDC - 2"F - PR
164.1883410	RN 180	9VDC - 3"F - PR

Model	H	P	L
3"M	25 cm	24 cm	17 cm
3"F	25 cm	25.3 cm	17 cm
2"F	25 cm	25.3 cm	17 cm

l/min	200 l/min	300 l/min	400 l/min	500 l/min	600 l/min	700 l/min	800 l/min	900 l/min	1000 l/min	1100 l/min
2"	0.07 bar	0.09 bar	0.12 bar	0.14 bar	0.16 bar	0.19 bar	0.25 bar	0.31 bar	0.38 bar	0.47 bar
3"	0.05 bar	0.07 bar	0.09 bar	0.12 bar	0.14 bar	0.16 bar	0.18 bar	0.23 bar	0.28 bar	0.35 bar



9 Vdc solenoid

Battery-operated controllers control 9Vdc latching solenoids. The control unit will send an electrical signal at the start of irrigation to open the solenoid valve and a signal at the end of irrigation to close the solenoid valve.



Solenoid 24 Vac

The controllers control 24 Vac normally closed solenoids. The control unit will supply the solenoid with a 24 Vac electrical signal for the entire irrigation time to open the electrovalve.