Solenoid valves

RN 150

The RN 150 solenoid valve is ideal for handling small flow rates from 10 l/min to 25 l/min and for small residential systems connected to the municipal water supply. Available in different configurations of diameters (¾" to 1") and voltage (24 Vac and 9 Vdc). The presence of the ring nut of the patented Manifold system allows significant time savings during installation, but more importantly, it allows the solenoid valve to be replaced in a matter of seconds, directly from inside the valve box and without the use of tools.

Technical Features

- Available threads: 1/2" F, 3/4" M, 3/4" F, 1" F, 1" M, 1" MxU
- Solenoid type: 24 Vac - normally closed, 9 Vdc - latching
- Minimum pressure: 1 bar
- Maximum pressure: 15 bar
- Minimum operating flow rate: 20 l/min
- Maximum operating flow rate: 90 l/min
- Minimum operating temperature: 4°C
- Maximum operating temperature: 70°C
- Diaphragm type: In co-molded 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
- 24 Vac solenoid version for electrical control units
- 9 Vdc solenoid version for battery-powered control units
- PN 12

Codice	Name	Model
100.4500511	RN 150	24VAC - 1/2"F
100.4500711	RN 150	24VAC - 3/4"F
100.0153400	RN 150	24VAC - 3/4"F
100.4400711	RN 150	24VAC - 3/4" M
100.4500911	RN 150	24VAC - 1"F
100.0150100	RN 150	24VAC - 1"F
100.4400911	RN 150	24VAC - 1" M
100.0154100	RN 150	24VAC - 1" M
100.4400915	RN 150	24VAC - 1" MxUN
100.0152000	RN 150	24VAC - 1" MxUN
164.4500711	RN 150	9VDC - 3/4"F
164.0153400	RN 150	9VDC - 3/4"F
164.4500911	RN 150	9VDC - 1"F
164.0150100	RN 150	9VDC - 1"F
164.0154100	RN 150	9VDC - 1" M
164.4400915	RN 150	9VDC - 1"MxUN
164.0152000	RN 150	9VDC - 1"MxUN

Model	H	P	L
3/4"M	11.4 cm	11.5 cm	7.1 cm
1"M	11.4 cm	11.6 cm	7.1 cm
1/2"F	11.4 cm	9.2 cm	7.1 cm
3/4"F	11.4 cm	9.2 cm	7.1 cm
1"F	11.4 cm	11.6 cm	7.1 cm
1"MxUN	11.4 cm	12.8 cm	7.1 cm

l/min	10 l/min	20 l/min	30 l/min	40 l/min	50 l/min	60 l/min	70 l/min	80 l/min	90 l/min	100 l/min
1/2" F	0.45 bar	0.58 bar	0.65 bar	0.73 bar	0.80 bar	0.88 bar	1.04 bar	1.27 bar	1.60 bar	n. a. bar
3/4" F	0.50 bar	0.59 bar	0.72 bar	0.78 bar	0.80 bar	0.86 bar	0.88 bar	1.13 bar	1.25 bar	n. a. bar
3/4" M	0.34 bar	0.50 bar	0.54 bar	0.59 bar	0.59 bar	0.57 bar	0.58 bar	0.64 bar	0.70 bar	n. a. bar
1" F	0.34 bar	0.50 bar	0.54 bar	0.59 bar	0.59 bar	0.57 bar	0.58 bar	0.64 bar	0.70 bar	n. a. bar
1" M	0.41 bar	0.47 bar	0.49 bar	0.61 bar	0.65 bar	0.68 bar	0.72 bar	0.76 bar	0.80 bar	n. a. bar

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.

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.

Manifold system

The patented Rain Manifold System allows easy installation of solenoid valves and during valve box maintenance allows quick removal of the solenoid valve.