

Solenoid valves RN 160 PRO



The RN 160 solenoid valve is the ideal solution for irrigating large commercial facilities and public parks. Capable of handling flow rates from 70 l/min to 300 l/min, this model is available with 1", 1" 1/4, 1" 1/2 and 2" female threads, and with voltages from 24 Vac and 9 Vdc. Certified as PN12, all its components are tested up to 14 bar before leaving the factory.

Technical Features

- Available threads: 1" F, 1"1/4 F, 1"1/2 F, 1"1/2 MxU, 2" F, 2" MxUN
- Solenoid type: 24 Vac - normally closed, 9 Vdc - latching
- Minimum pressure: 1 bar
- Maximum pressure: 15 bar
- Minimum operating flow rate: 75 l/min
- Maximum operating flow rate: 325 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
- PN 12

Codice	Name	Model
100.5700911	RN 160 PRO	24VAC - 1" F
100.5701211	RN 160 PRO	24VAC - 1"1/4 F
100.5701511	RN 160 PRO	24VAC - 1"1/2 F
100.5701516	RN 160 PRO	24VAC - 1"1/2 MxUN
100.5701711	RN 160 PRO	24VAC - 2" F
100.5701716	RN 160 PRO	24VAC - 2" MxUN
100.5781511	RN 160 PRO	24VAC - 1"1/2 F - PR
164.5701511	RN 160 PRO	9VDC - 1"1/2 F
164.5701516	RN 160 PRO	9VDC - 1"1/2 MxUN
164.5701711	RN 160 PRO	9VDC - 2" F
164.5701716	RN 160 PRO	9VDC - 2" MxUN
164.5781511	RN 160 PRO	9VDC - 1"1/2 F - PR

Model	H	P	L
1"F	18.4 cm	14.5 cm	10.6 cm
1"1/4F	18.4 cm	14.8 cm	10.6 cm
1"1/2F	18.4 cm	15.7 cm	10.6 cm
2"F	18.4 cm	18.3 cm	10.6 cm
2"MxUN	18.4 cm	17.5 cm	10.6 cm

l/min	50 l/min	75 l/min	100 l/min	125 l/min	150 l/min	175 l/min	200 l/min	225 l/min	250 l/min	275 l/min
1"	0.35 bar	0.35 bar	0.37 bar	0.39 bar	0.49 bar	0.65 bar	0.81 bar	1.01 bar	1.25 bar	n. a. bar
1"1/4	0.09 bar	0.13 bar	0.20 bar	0.22 bar	0.30 bar	0.35 bar	0.45 bar	0.55 bar	0.68 bar	0.83 bar
1"1/2	0.06 bar	0.09 bar	0.16 bar	0.14 bar	0.20 bar	0.26 bar	0.38 bar	0.40 bar	0.51 bar	0.56 bar
2"	n. a. bar	n. a. bar	n. a. bar	n. a. bar	0.10 bar	0.11 bar	0.14 bar	0.15 bar	0.24 bar	0.27 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.

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.