

RN 180

Electric valves

DESCRIPTION

Rain RN180 is the family of electric valves dedicated for agriculture and big installations with high flow.

2 kg of weight made of virgin nylon plus 30% of fibreglass is the starting condition for the excellence for an electric valve for these applications.

Strong and reliable is studied to face even extreme conditions of flow, also thanks to its safe closing process to prevent water hammer.

TECHNICAL INFORMATION

- PA 6 30% fibreglass
- Self cleaning stainless-steel metering pin
- Stainless-steel diaphragm differential spring for smooth closing
- Solenoid certificate CE, IP 68 9
- PN12 tested piece by piece at 14 bar
- Bleed handle for manual opening with internal bleed
- Energy efficient solenoid 0,2 amp, 4,8 VAC
- Flow Control
- Standard solenoid: 24 VAC
- Available solenoid 12 VDC; 24 VDC; 110 VAC; 9 (6-40) VDC Latching

OPERATING CONDITIONS

- Pressure: min 1.0 bar - max 12.0 bar
- Temperature: +4° C/70° C
- Flow rate: from 200 l/min to 1100 l/min



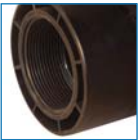
1. BLEED HANDLE FOR MANUAL OPENING



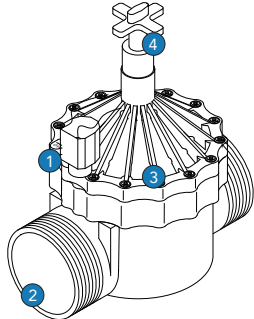
3. ASSEMBLED DIAPHRAGM



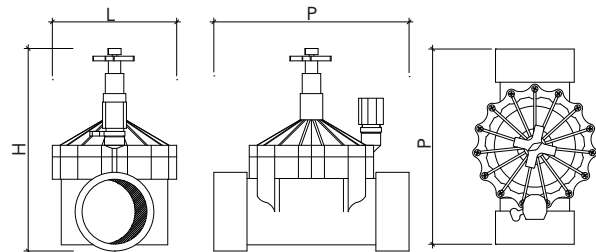
2. THREADS AVAILABLE: MALE, FEMALE



4. FLOW CONTROL ADJUSTMENT HANDLE AVAILABLE



Code	Models
100.1802510	RN 180 2" F W/FC 24VAC
100.1803510	RN 180 3" M W/FC 24VAC
100.1803410	RN 180 3" F W/FC 24VAC



RN 180 - LOSS OF CHARGE (in bar)		
	2"	3"
200 l/min	0.07	0.05
300 l/min	0.09	0.07
400 l/min	0.12	0.09
500 l/min	0.14	0.12
600 l/min	0.16	0.14
700 l/min	0.19	0.16
800 l/min	0.25	0.18
900 l/min	0.31	0.23
1000 l/min	0.38	0.28
1100 l/min	0.47	0.35

RN 180 - DIMENSIONS (in cm)			
	3" M	3" F	2" F
H	25.0	25.0	25.0
P	24.0	25.3	25.3
L	17.0	17.0	17.0

