

**N-100 SERIES – NITRO
REMOTE CONTROL VALVE**

FEATURES

- 100% water tested
- 150 psi (10,3 bar) rating
- Unique “reverse flow” porting design permits equal pressure distribution on both sides of the diaphragm, regardless of line pressure providing zero stress to prevent “stretching,” a common cause of valve failure
- Normally closed valve for water conservation
- Diaphragm's self cleaning ports constantly flex, inhibiting sand and silt from blocking valve action
- Molded shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has stops for open and closed positions
- High efficiency M24E solenoid with stainless steel actuator
- Engineering grade PVC body and cover with combination hex, slot and Phillips retaining screws
- Non-rising flow control stem throttles valve from full open to closed position on flow control models

ELECTRICAL

- Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups

24VAC/60 Hz	24VAC/50 Hz
Inrush: 9.77 VA	Inrush: 10.5 VA
Holding: 6.2 VA	Holding: 6.88 VA

- Do not use nominal voltage ratings listed above for sizing of valve wire (see wire sizing, pg. 32)

MODELS

- N-100** (1 in. FIP)*
- N-100F** (1 in. FIP with flow control)*
- N-100S** (1 in. SLIPxSLIP)
- N-100SF** (1 in. SLIPxSLIP with flow control)
- N-100MB** (1 in. Male x Barb)
- N-100MBF** (1 in. Male x Barb with flow control)

* International: Specify ISO

PRESSURE LOSS

Flow gpm	Loss psi	METRIC	
		Flow m ³ /h	Loss bar
0-4	1.2 Max.	0-1,0	0,09 Max.
4	1.2	1,0	0,09
6	1.7	1,5	0,14
8	2.5	2,0	0,19
10	3.0	2,5	0,22
12	3.4	3,0	0,25
14	3.8	3,5	0,28
16	4.1	4,0	0,30
18	4.4	4,5	0,32
20	4.6	5,0	0,33
22	4.8	5,5	0,35
24	5.1	6,0	0,38
26	5.4	6,5	0,41
28	5.8	7,0	0,45
30	6.3	7,5	0,47
32	6.6	8,0	0,50
35	7.3	8,5	0,51



N-100



N-100F



N-100S



N-100SF



N-100MB



N-100MBF