

N-100 SERIES – NITRO REMOTE CONTROL VALVE

FEATURES

- 100% water tested
- 150 psi (10,3 bar) rating
- Unique “reverse flow” 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
- Reverse flow design for water conservation in the event of failure
- 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 positive stops for open and closed positions
- Marine-grade S20P 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/60HZ	24VAC/50HZ
Inrush: 9.48 VA	Inrush: 10.66 VA
Holding: 5.11 VA	Holding: 5.97 VA

- Do not use nominal voltage ratings listed above for sizing of valve wire

MODELS

- N-100-H** 1" FIP*
- N-100F-H** 1" FIP with flow control*
- N-100S-H** 1" SLIPxSLIP
- N-100SF-H** 1" SLIPxSLIP with flow control
- N-100MB-H** 1" Male x Barb
- N-100MBF-H** 1" Male x Barb with flow control

* International: specify ISO



N-100-H



N-100F-H



N-100S-H



N-100MB-H

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www.weathermatic.com



N-100SF-H



N-100MBF-H

N-100 SERIES VALVE PRESSURE LOSS

STANDARD		METRIC	
Flow gpm	Loss psi	Flow m ³ /hr	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