

SERIES 80 NYLON VALVES

Reliable, Durable
Control and
Master Valves

APPLICATIONS

- Residential or commercial landscape irrigation applications
- For mild corrosive and mild acidity levels in the water
- For remote control, master valve and automated operations
- Reclaimed/reuse applications including municipally treated reclaimed water designated for irrigation

SPECIFICATIONS

- Recommended flow range:
 $\frac{3}{4}$ " - 0.01 to 26 GPM
 1" - 0.01 to 44 GPM
 1 $\frac{1}{2}$ " - 0.25 to 110 GPM
 2" - 0.25 to 176 GPM
- Minimum operating pressure: 7 psi
- Maximum operating pressure: 150 psi
- Water temperature: up to 140° F
- 24VAC solenoid standard \pm 10% voltage
- Solenoid inrush current: 0.220A
- Solenoid holding current: 0.095A
- Optional solenoids: 24VDC, 12VDC, 12VDC-latching and 120VAC
- Integral stainless steel EasyClean® filter for 1 $\frac{1}{2}$ " and 2" models only
- Adjustable pressure regulator option available: 1.5" and 2" Model
 Normally Closed Option: $\frac{3}{4}$ " - 2"
 Normally Open Option: 1 $\frac{1}{2}$ " - 2"

MATERIALS

- Body, bonnet and seat: glass reinforced polyamide (GRP)
- Diaphragm: Buna-N rubber
- Nuts, bolts and washers: stainless steel 304
- Spring: stainless steel AISI 302

FEATURES & BENEFITS

EASIEST OPERATION AND LOWEST MAINTENANCE COSTS

New and improved manual selector allows for hassle-free internal bleed without manipulating the position of the solenoid. Innovative labyrinth inlet eliminates the need for internal filters, reducing service costs for end users, contractors and Distributors.

FLOW CONTROL STANDARD ON ALL MODELS

Manual zone control from fully closed to maximum capacity at no extra charge.

HIGH EFFICIENCY, LONGER LASTING SOLENOID

Inrush and holding current are 50-60% lower than the industry average which allows the industry's longest wire runs from valve to controller. Low sensitivity to dirt and voltage fluctuations.

PROVEN RELIABILITY WITH RECLAIMED WATER

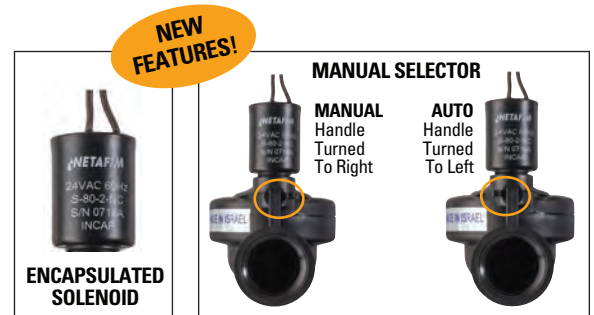
Over a decade of field-proven, consistent performance under the harshest water conditions. Durable and corrosion-resistant materials.

2-WIRE SYSTEM COMPATIBILITY

Works with all major manufacturer 2-Wire control systems.



3/4" AND 1" GLOBE ELECTRIC CONTROL VALVE

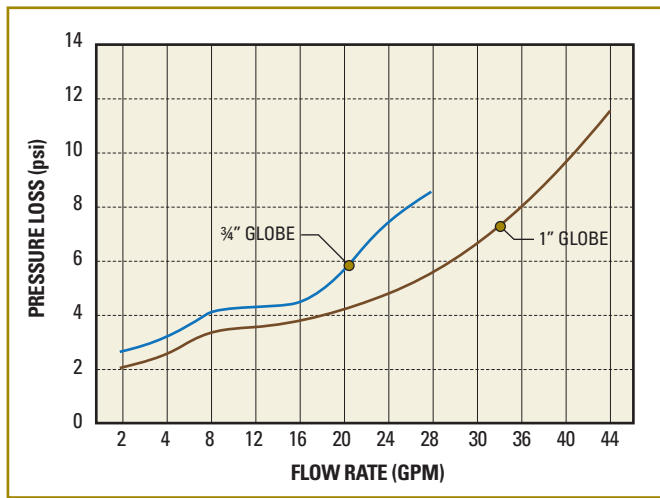


1 1/2" GLOBE MANUAL ELECTRIC MASTER OR CONTROL VALVE

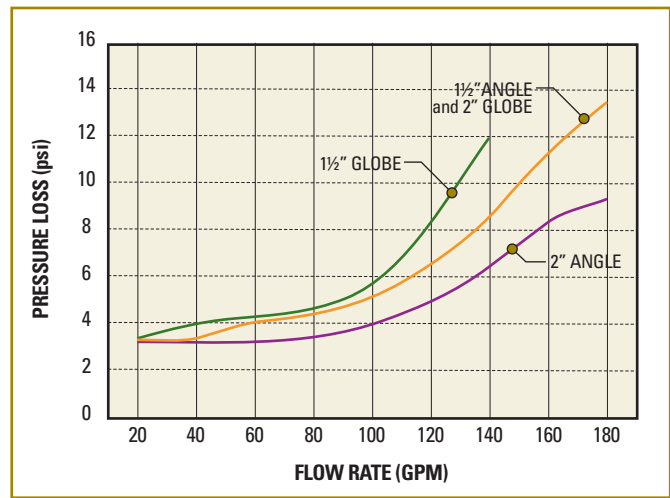


2" GLOBE PRESSURE REDUCING ELECTRIC MASTER OR CONTROL VALVE

3/4" and 1" MODELS FLOW RATE VS. PRESSURE LOSS



1 1/2" and 2" MODELS FLOW RATE VS. PRESSURE LOSS



1 1/2" and 2" MODELS FLOW RATE VS. PRESSURE LOSS

FLOW (GPM)	PRESSURE LOSS (psi)			
	1 1/2" GLOBE	1 1/2" ANGLE	2" GLOBE	2" ANGLE
20	3.3	3.3	3.3	3.3
40	4.0	3.3	3.3	3.3
60	4.3	4.0	4.0	3.3
80	4.5	4.3	4.3	3.6
100	5.5	5.0	5.0	4.1
120	8.5	6.5	6.5	5.0
140	12.0	8.5	8.5	6.5
160	-	-	11.5	8.5
180	-	-	13.5	9.5

ORDERING INFORMATION

DESCRIPTION	SIZE	MODEL NUMBER
SERIES 80* VALVES WITH STANDARD 24VAC	3/4" GLOBE	LVET.75GH2
	1" GLOBE	LVET1GH2
	1 1/2" GLOBE	LVET1.5GH2
	2" GLOBE	LVET2GH2
	1 1/2" ANGLE	LVET1.5GH2-AN
MANUAL ELECTRIC NORMALLY CLOSED	2" ANGLE	LVET2GH2-AN
	1 1/2" GLOBE	LV61METNC1.5GH3
	1 1/2" ANGLE	LV61METNC1.5GH3A
	2" GLOBE	LV61METNC2GH3
MANUAL ELECTRIC NORMALLY OPEN	2" ANGLE	LV61METNC2GH3A
	1 1/2" GLOBE	LV61METNO1.5GH3
	1 1/2" ANGLE	LV61METNO1.5GH3A
	2" GLOBE	LV61METNO2GH3
PRESSURE REDUCING ELECTRIC NORMALLY CLOSED	2" ANGLE	LV61METNO2GH3A
	1 1/2" GLOBE	LV61PRMETNC1.5GH3
	1 1/2" ANGLE	LV61PRMETNC1.5GH3A
PRESSURE REDUCING ELECTRIC NORMALLY OPEN	2" GLOBE	LV61PRMETNC2GH3
	2" ANGLE	LV61PRMETNC2GH3A
	1 1/2" GLOBE	LV61PRMETNO1.5GH3
	1 1/2" ANGLE	LV61PRMETNO1.5GH3A
	2" GLOBE	LV61PRMETNO2GH3
	2" ANGLE	LV61PRMETNO2GH3A

3/4" and 1" MODELS FLOW RATE VS. PRESSURE LOSS

FLOW (GPM)	PRESSURE LOSS (psi)	
	3/4" GLOBE	1" GLOBE
2	2.5	2
4	3	2.5
8	4	3.4
12	4.1	3.5
16	4.4	3.9
20	5.5	4.1
24	7.5	4.7
28	8.5	5.4
32	-	6.5
36	-	8
40	-	9.5
44	-	11.5

CONTROLLER TO VALVE MAXIMUM WIRE LENGTHS

GAUGE	LENGTH
12	6,800'
14	4,300'
16	2,700'
18	1,700'
20	1,000'

* Series 80 Standard Globe Valve used in LVCZ Kits.