

SERIES 80 NYLON CONTROL VALVES

LOWER FRICTION LOSS FOR IMPROVED PERFORMANCE



3/4" and 1" GLOBE ELECTRIC CONTROL VALVES



1 1/2" & 2" GLOBE ELECTRIC CONTROL VALVES



1 1/2" & 2" ANGLE ELECTRIC CONTROL VALVES

AUTOMATIC VALVE OPERATION

Also Available - Series 80 Valve with Aqua Pro Single Zone Valve Controller



PRODUCT ADVANTAGES

- Exceptional low inrush and holding current allows the longest wire run from valve to controller.
- Very low friction loss allows valve use with a wider range of flows.
- Simple inline installation with minimal maintenance requirements for maximum dependability.
- Flow control stem allows manual control from full closure to maximum capacity.
- Durable, corrosion resistant materials.
- Clog-free labyrinth inlet for command water assures the valve is suitable for dirty water applications.

FEATURES DESIGNED FOR GREENHOUSE AND NURSERY APPLICATIONS

- Suitable for high pressure applications with quick reaction to opening and closing.
- Stable solenoid to voltage fluctuations with low sensitivity to dirt - no diode solenoid.
- Tight sealing valve with fully supported diaphragm.
- Integrated check valve ensures valve remains closed until the controller designates opening.
- Optimal for vertical installations.

APPLICATIONS

- Greenhouse and Nursery irrigation including hydroponic and mist systems
- For mild corrosive and mild acidity levels in the water
- For remote control, master valve, automated or manual operations

SPECIFICATIONS

- Recommended Flow Ranges:
 - 3/4" valve - .01 to 26 GPM *
 - 1" valve - .01 to 44 GPM *
 - 1 1/2" valve - .25 to 110 GPM
 - 2" valve - .25 to 176 GPM
- Valve Configurations:
 - 3/4" and 1" valves - Globe
 - 1 1/2" and 2" valves - Globe or Angle
- Standard 2-Way Electric Normally Closed Valve
- Minimum Operating Pressure: 7 psi
- Maximum Operating Pressure: 150 psi
- Maximum Water Temperature: 140° F
- Standard Solenoid Voltage: 24VAC ± 10% voltage
- Solenoid Inrush Current: .22A
- Solenoid Holding Current: .095A
- Optional Solenoid Voltage: 24VDC, 12VDC, 12VDC latching, 120VAC

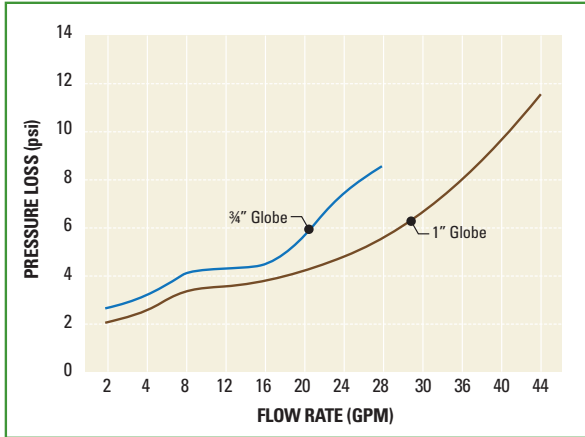
MATERIALS

- Body, Bonnet, Diaphragm Seat: Glass Reinforced Polyamide (GRP)
- Nuts, Bolts, Washers: Stainless Steel 304
- Spring: Stainless Steel AISI 302

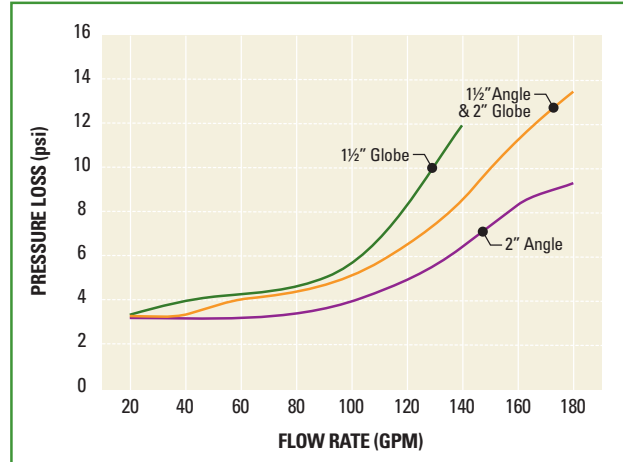
* Minimum flow tested by Center for Irrigation Technology, Fresno, California, November 2010

SERIES 80 NYLON CONTROL VALVES

3/4" & 1" FLOW RATE VS. PRESSURE LOSS *



1 1/2" & 2" FLOW RATE VS. PRESSURE LOSS *



* Tested by Center for Irrigation Technology, Fresno, California, November 2010

FLOW RATE AND PRESSURE LOSS

FLOW (GPM)	PRESSURE LOSS (psi)	
	3/4" GLOBE	1" GLOBE
2	2.5	2.0
4	3.0	2.5
8	4.0	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	-	8.0
40	-	9.5
44	-	11.5

FLOW RATE AND 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	8.5	8.5	6.5
160	-	-	11.5	8.5
180	-	-	13.5	9.5

ORDERING INFORMATION STANDARD 24VAC VALVES

VALVE SIZE	ITEM NUMBER	MODEL NUMBER
3/4" GLOBE	71640-007355	61ET.75GH2
1" GLOBE	71640-007406	61ET1GH2
1 1/2" GLOBE	71640-007425	61ET1.5GH2
1 1/2" ANGLE	71640-007426	61ET1.5GH2-AN
2" GLOBE	71640-007660	61ET2GH2
2" ANGLE	71640-007665	61ET2GH2-AN

DIMENSIONS

SIZE	LENGTH	WIDTH	HEIGHT	WEIGHT
3/4" GLOBE	3 15/16"	3"	4 3/8"	.62 LBS
1" GLOBE	4 1/8"	3"	4 1/2"	.64 LBS
1 1/2" GLOBE	6 9/16"	6 1/2"	6 3/8"	2 LBS
1 1/2" ANGLE	3 1/2"	6 1/2"	6 13/16"	1.8 LBS
2" GLOBE	6 9/16"	6 1/2"	6 5/8"	2 LBS
2" ANGLE	3 1/2"	6 1/2"	6 13/16"	1.8 LBS

OPTIONAL VOLTAGES

VALVE SIZE	VOLTAGE
ALL SIZES	12VDC
	12VDCL
	24VDC
	120VAC

OPTIONAL VOLTAGES:
Call Netafim USA for Item and Model Numbers for Series 80 Nylon Control Valves with optional voltages.



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