



SERIES 80

Globe & Angle Irrigation Valves

New valve for agricultural irrigation, greenhouses, filtration systems and public turf irrigation



Features and Benefits

- Simple, reliable and economical
- Angle or straight, globe- pattern valve, activated by a fully- supported diaphragm
- Durable, corrosion free materials
- Unique clog- free labyrinth inlet of the activation water on electric 2-way valves
- 3 Position Manual override on electric 2-way valves
- Operation at wide range of flow rates, from near zero to the maximal flow
- Electric 2-way or hydraulic / electric 3-way actuation
- All of the control system's devices are assembled on the valve's bonnet.
No tubes are connected to the body
- Removable flow control stem handle (optional)
- Integral stainless-steel EASYKLIN® filter

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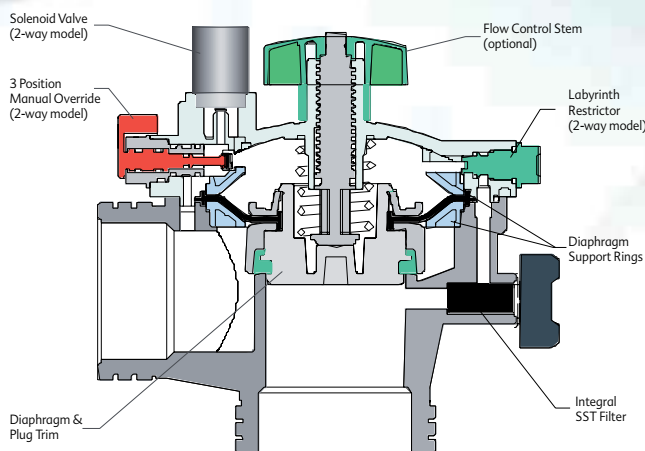
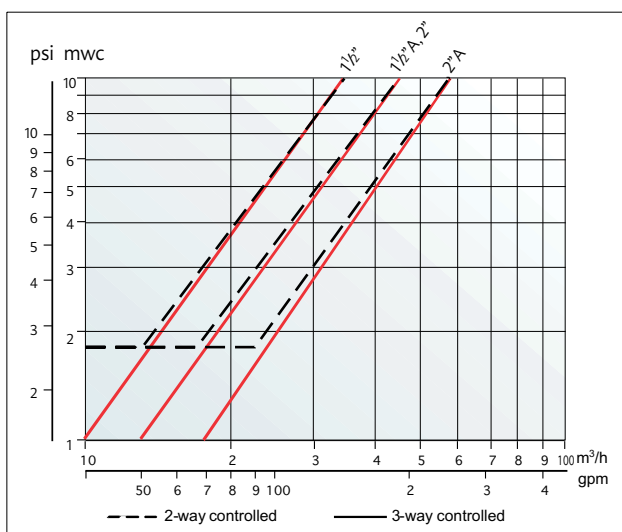
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Technical Data



Pressure losses

Flow		Pressure loss (3-way valves)							
		40mm, 1 1/2"				50mm, 2"			
gpm	m³/h	Angle		Straight		Angle		Straight	
		psi	bar	psi	bar	psi	bar	psi	bar
22	5	0.19	0.01	0.33	0.02	0.11	0.01	0.19	0.01
44	10	0.75	0.05	1.33	0.09	0.43	0.03	0.75	0.05
88	20	3	0.21	5.33	0.37	1.72	0.12	3	0.21
132	30	6.74	0.46	12	0.83	3.9	0.27	6.74	0.46
176	40					6.9	0.48	12	0.83

Dimensions

		1 1/2" \ 40mm		2" \ 50mm	
		Angle	Straight	Angle	Straight
Height	mm	171	159	171	166
	inch	6.73	6.23	6.73	6.54
Width	mm	163	163	163	163
	inch	6.42	6.42	6.42	6.42
Length - Strait	mm	88	165	88	165
Center to outlet - Angle	inch	3.46	6.5	3.46	6.5
Weight	Kg	0.8	0.9	0.8	0.9
	Lbs	1.8	2	1.8	2

Operation data

		1 1/2"/40mm		2"/50mm	
		m³/hr	gpm	bar	psi
Max.Flow	m³/hr	25		40	
	gpm		110		176
Pressure range	bar	0.5-10			
	psi	7-15			
Max.Water temp	°C	60			
	°F	140			
Max.Ambient temp.	°C	52			
	°F	125			

Electrical Specifications

- Standard: 24 VAC 50/60 Hz. ±10%
- Optional: other voltage rating or latching DC operators
- Current: 0.26 Amp Inrush; 0.12 Amp holding