

## Series 80

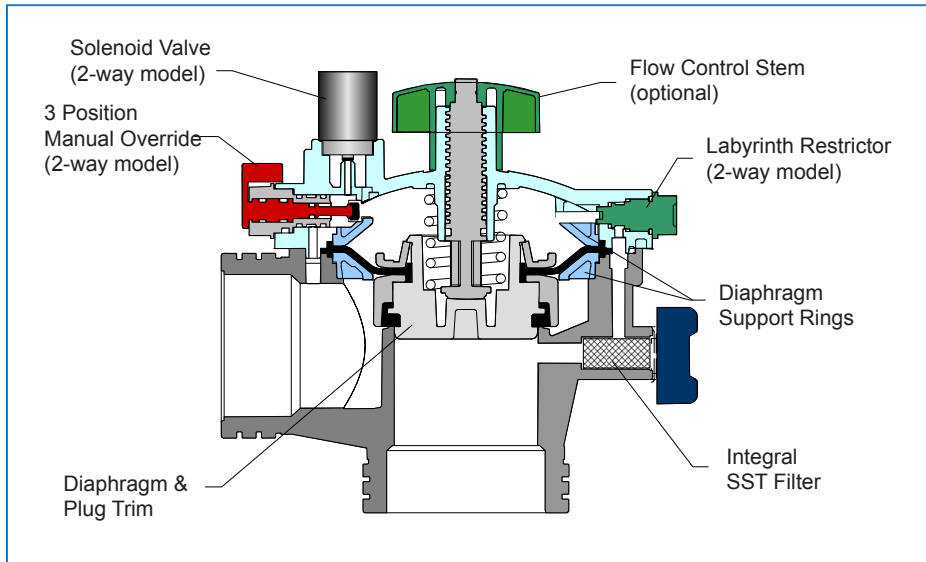
# Globe & Angle Irrigation Valves

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 EasyClean® filter





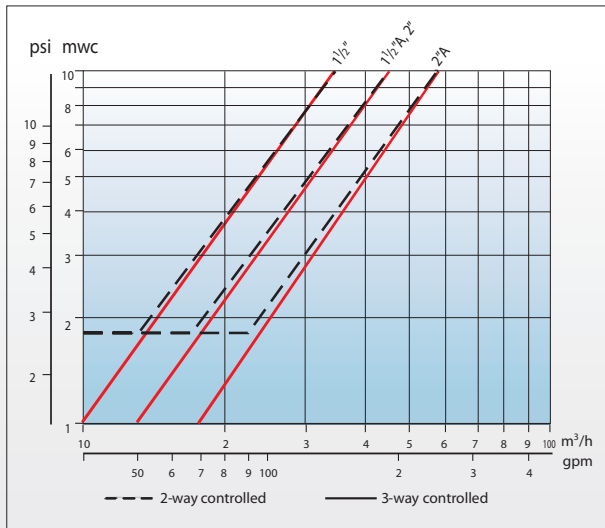
## Technical Data

### Pressure losses

		Pressure loss (3-way valves)							
		40mm, 1 1/2"				50mm, 2"			
Flow		Angle		Straight		Angle		Straight	
gpm	m <sup>3</sup> /h	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

		40mm, 1 1/2"		50mm, 2"	
		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 - Straight Center to outlet-Angle	mm	88	165	88	165
	inch	3.46	6.5	3.46	6.5



### Operation Data

		40mm, 1 1/2"	50mm, 2"
Max. Flow	m <sup>3</sup> /hr	25	40
	gpm	110	176
Pressure range	bar	0.5 - 10	
	psi	7 - 145	
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