



## Series 80

# 80-1", 80-3/4" Turf Irrigation Valves

New electric valve for gardens, parks  
and golf courses

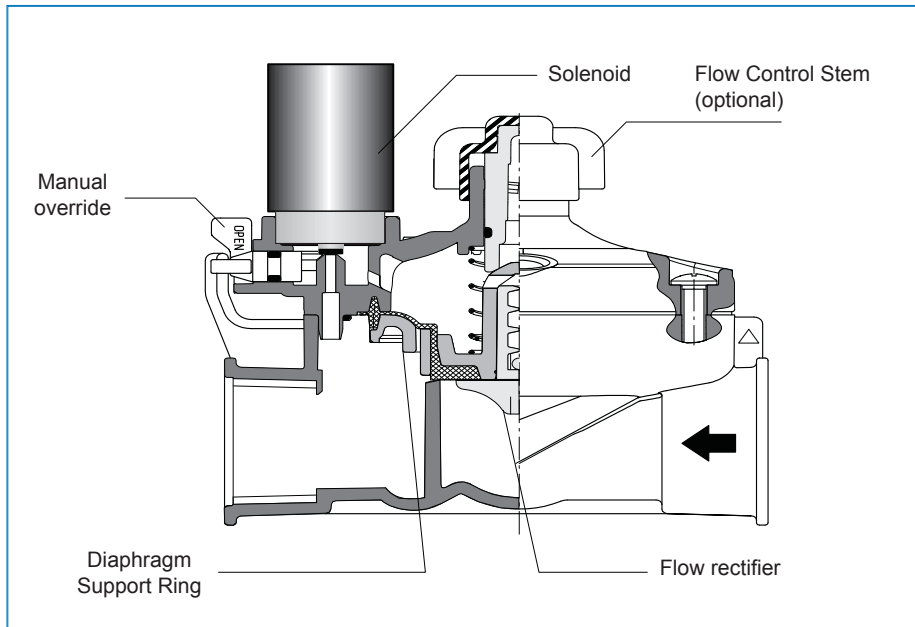
### Features and Benefits

- Simple, reliable and economical
- Globe- pattern valve, activated by a fully- supported diaphragm
- Durable, corrosion free materials
- Unique clog- free labyrinth inlet of the activation water
- Operation at wide range of flow rates, from near zero to the maximal flow
- Internal bleed manual override opening
- Removable flow control stem handle (optional)

No filters

No cleaning needle

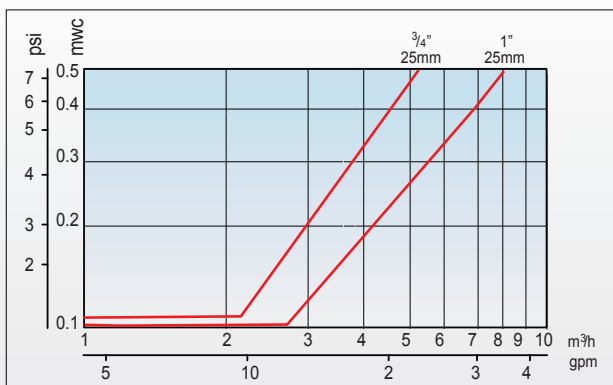




## Technical Data

### Pressure losses

| flow |                   | Pressure loss       |      |       |      |
|------|-------------------|---------------------|------|-------|------|
|      |                   | 80- $\frac{3}{4}$ " |      | 80-1" |      |
| gpm  | m <sup>3</sup> /h | psi                 | bar  | psi   | bar  |
| 2.2  | 0.5               | 1.42                | 0.10 | 1.42  | 0.10 |
| 4.4  | 1                 | 1.60                | 0.11 | 1.42  | 0.10 |
| 8.8  | 2                 | 1.65                | 0.11 | 1.42  | 0.10 |
| 13.2 | 3                 | 2.90                | 0.20 | 1.65  | 0.11 |
| 17.6 | 4                 | 4.35                | 0.30 | 2.61  | 0.18 |
| 22.0 | 5                 | 6.82                | 0.47 | 3.63  | 0.25 |
| 26.4 | 6                 |                     |      | 4.83  | 0.33 |
| 30.8 | 7                 |                     |      | 6.09  | 0.42 |



### Dimensions

|  |      | 20mm, $\frac{3}{4}$ " | 25mm, 1" |
|--|------|-----------------------|----------|
| Height                                   | mm   | 109                   | 112      |
|  | inch | 4.3                   | 4.4      |
| Width                                    | mm   | 75                    | 75       |
|  | inch | 3                     | 3        |
| Length - Straight Center to outlet-Angle | mm   | 98                    | 103      |
|  | inch | 3.9                   | 4.1      |
| Weight                                   | kg   | 0.28                  | 0.29     |
|  | lbs  | 0.62                  | 0.64     |

### Operation Data

|                    |                    | 20mm, $\frac{3}{4}$ " | 25mm, 1" |
|--------------------|--------------------|-----------------------|----------|
| Max. Flow          | m <sup>3</sup> /hr | 6                     | 10       |
|                    | gpm                | 26                    | 44       |
| 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.  $\pm 10\%$   
Optional: other voltage rating or latching DC operators
- Current: 0.26 Amp Inrush; 0.12 Amp holding



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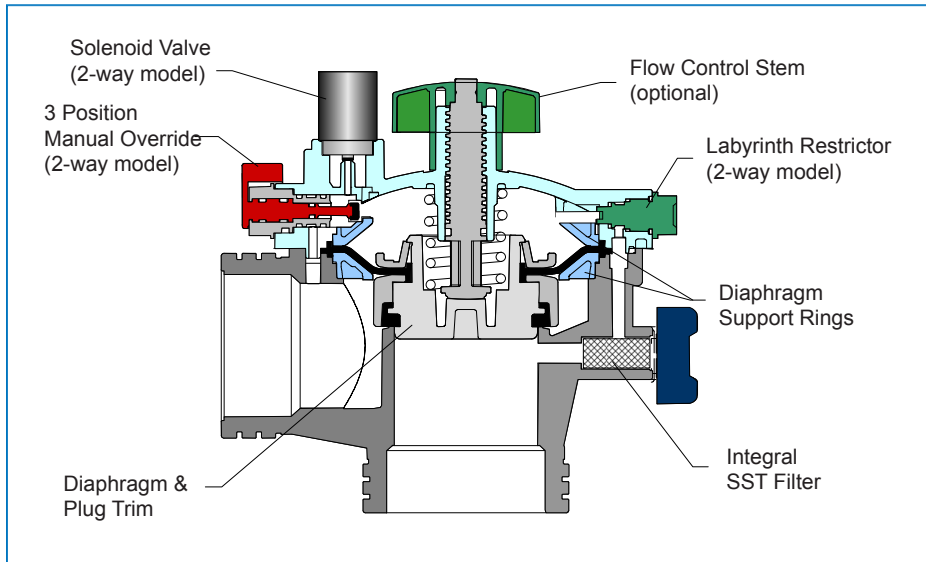
# Globe & Angle Irrigation Valves

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





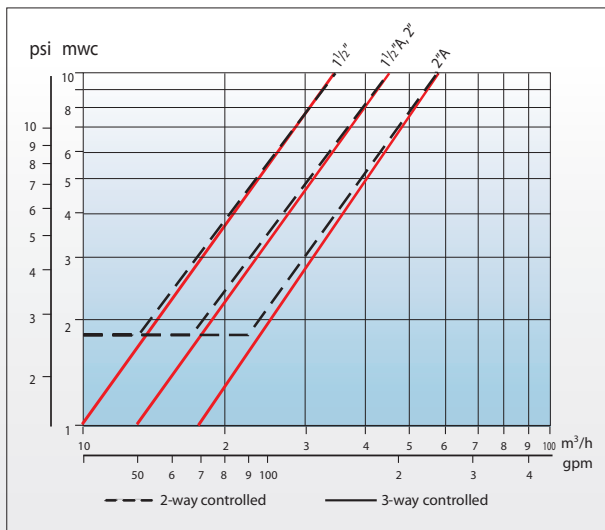
## Technical Data

### 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<br>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%  
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