

## 250/260 Series Plastic Valves

### 1" (25mm) Electric, Normally Open Hydraulic and Pin-Type Hydraulic Models

Highly versatile residential/commercial valves for use in light-to-moderate debris water. Three activation types for easy design, installation and maintenance.

#### Features

- Manual flow control: adjustable to zero flow (250 Series)
- Manual bleed screw
- Energy-efficient solenoid
- 18" (45cm) lead wires (electric models) for easy-access installation
- Self-cleaning, stainless steel metering pin (electric models)
- Stainless steel diaphragm differential spring for smooth, positive closing
- Single-piece rubber diaphragm for reliable, leak-free valve closing
- Durable engineering plastic and stainless steel construction for exceptional stability
- Tough, glass-filled Zytel® cap provides stability under pressure
- Recycled water flow-control knob available



#### Specifications

- Flow range: 5.0–40.0 GPM (20–150 LPM)
- Operating pressure: 20–150 psi (1,4–10 Bar)
- Burst pressure safety rating: 750 psi (50 Bar)
- Body styles:
  - 1" (25mm) female-threaded inlet and outlet
- Solenoid: 24 V ac (50/60Hz)
  - Inrush: 0.30 amps, 7.20 VA
  - Holding: 0.20 amps, 4.80 VA
- Dimensions:
  - 250 Series (with flow control): 6" H x 4½" W (152 x 114mm)
  - 260 Series (without flow control): 4½" H x 4½" W (114 x 114mm)

#### 250/260 Series Friction Loss Data—U.S.

Size	Model	GPM Flow						
		.5	10	15	20	25	30	40
1" (25mm)	Hydraulic	<1.0	1.0	2.0	3.0	4.0	6.0	9.5
1" (25mm)	Electric		4.4	4.5	5.0	5.0	7.0	9.5

**Note:** For optimum sprinkler performance when designing a system, calculate total friction loss to ensure sufficient downstream pressure. Values listed in psi.

#### 250/260 Series Friction Loss Data—Metric

Size	Model	LPM Flow						
		20	40	60	80	100	125	150
1" (25mm)	Hydraulic	<0,1	0,1	0,1	0,2	0,3	0,5	0,6
1" (25mm)	Electric		0,3	0,3	0,3	0,4	0,5	0,6

**Note:** For optimum sprinkler performance when designing a system, calculate total friction loss to ensure sufficient downstream pressure. Values listed in bar.

For kPa values, multiply tabular values by 100.  
For Kg/cm<sup>2</sup> values, multiply tabular values by 1,02.



#### Specifying Information

2X0	0X	04
Flow Control	Activation Type	
5—w/Flow Control 6—w/o Flow Control	0—Pin-type Hydraulic 1—Normally Open Hydraulic 6—Electric	

**Example:** A 1" (25mm) 250 Series Valve with flow control and pin-type hydraulic activation, would be specified as: **250-00-04**