

254/264 Valves



| |
|-------------------------------|
| $\frac{3}{4}$ " , 1" |
| Electric |
| Globe |
| Residential, Light Commercial |

Application: These durable valves are designed for contractors who prefer male inlets and male or barbed outlets and need a valve that can withstand the pressures of large residential and light commercial applications.

Features

- Male inlets along with male or barbed outlets meet the installation requirements of contractors
- Single-piece rubber diaphragm for reliable, leak-free closing
- Tough, glass-filled Zytel cap and body allow this valve to be rated up to 150 psi
- Manual flow control adjustable to zero flow
- Self-cleaning, stainless steel metering pin
- External manual bleed
- 18" (45cm) lead wires
- Single-piece rubber diaphragm
- Recycled water flow-control knob available
- Available with or without flow control
- Low-inrush solenoid
- Two-year warranty

254/264 Series Friction Loss Data—U.S.

| Size | Model | GPM Flow | | | | | | | | | | | | |
|------------------------|----------|----------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|--|
| | | .5 | 1 | 3 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | |
| $\frac{3}{4}$ " (20mm) | Electric | <1.0 | <1.0 | <1.0 | 1.5 | 3.0 | 6.5 | | | | | | | |
| 1" (25mm) | Electric | | | | 2.0 | 2.0 | 2.3 | 3.1 | 4.0 | 5.4 | 7.0 | 8.7 | 10.5 | |

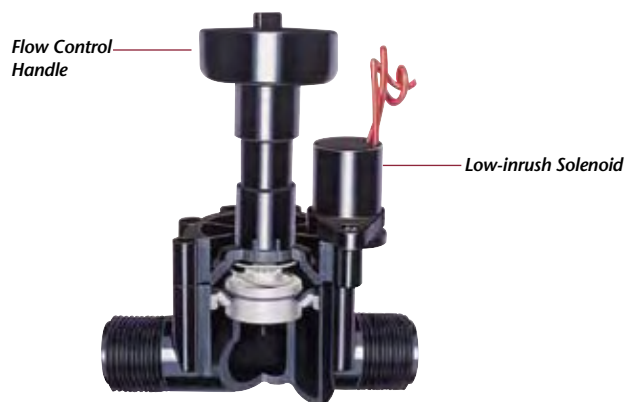
Note: For optimum sprinkler performance when designing a system, calculate total friction loss to ensure sufficient downstream pressure. Flow rates are recommended not to exceed 5 psi loss. Values are listed in psi.

254/264 Series Friction Loss Data—Metric

| Size | Model | LPM Flow | | | | | | | |
|--------------------------|----------|----------|-----|-----|-----|-----|-----|-----|-----|
| | | 2 | 25 | 50 | 75 | 100 | 125 | 150 | 175 |
| 20mm ($\frac{3}{4}$ ") | Electric | <0,1 | 0,1 | 0,4 | 0,7 | | | | |
| 25mm (1") | Electric | | 0,1 | 0,2 | 0,2 | 0,3 | 0,4 | 0,6 | 0,8 |

Note: For optimum sprinkler performance when designing a system, calculate total friction loss to ensure sufficient downstream pressure. Flow rates are recommended not to exceed 0,3 bar loss. Values are listed in bar.

For kPa values, multiply tabular values by 100. For Kg/cm², multiply tabular values by 1,02.



Specifications

Recommended flow range (by size):

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|--|
| $\frac{3}{4}$ " (20mm): 0.25–15.0 GPM (1–57 LPM) |
| 1" (25mm): 5.0–30.0 GPM (19–114 LPM) |

Operating pressure (by size):

| |
|---|
| $\frac{3}{4}$ " (20mm): 10–150 psi (0,7–10 Bar) |
| 1" (25mm): 20–150 psi (1,4–10 Bar) |

Solenoid:

| |
|---|
| 24 V ac |
| $\frac{3}{4}$ " (20mm): Inrush: 0.25 amps, 6.00 VA Holding: 0.19 amps, 4.56 VA |
| 1" (25mm): Inrush: 0.30 amps, 7.20 VA Holding: 0.20 amps, 4.80 VA |

Dimensions (by size):

| |
|--|
| $\frac{3}{4}$ " (20mm): – 3" H x 4" W (76 x 102mm) |
| 1" (25mm): – 254 (with flow control): 6" H x 4½" W (152 x 115mm) – 264 (w/o flow control): 4½" H x 4½" W (115 x 115mm) |

Burst pressure safety rating:

750 psi (50 Bar)

Body configurations

| Type | Size | |
|----------------------|-----------------|----|
| | $\frac{3}{4}$ " | 1" |
| M x M | ✓ | ✓ |
| M x B | | ✓ |
| Flow Control with | ✓ | ✓ |
| Flow Control without | ✓ | ✓ |

Specifying Information

| Flow Control | Body Style | Size |
|--|---|--|
| 5—w/Flow Control 6—w/o Flow Control | 0—Male Thread x Male Thread 1—Male Thread x Barb | 3— $\frac{3}{4}$ " (20mm) 4—1" (25mm) |

Example: A 1" (25mm) electric 264 Series Valve without flow control with a male thread barb, would be specified as: **264-16-04**