

**TORO®**

## 252 SERIES VALVES

**WATER  
SMART®**

Toro® 252 Series valves are ruggedly built and ready to withstand the wide array of conditions seen in light commercial applications. With several configurations to choose from 252 Series valves are available in globe/angle 1", 1 1/2", or 2" electric or hydraulic models, and come standard with flow control. Offering the same glass-filled Nylon bonnet and commercial-grade ABS body construction as the 250/260 Series valves, the 252 Series valves are rated for service pressures up to 150 psi. The valve diaphragm is a single piece construction and made with fabric-reinforced rubber for long-term tear and stretch resistance. A hard-working, yet economical valve, the 252 Series is an ideal choice to meet all of your light commercial requirements.

## FEATURES & BENEFITS

### Heavy-Duty Toro Solenoid

Provides dependable operation and long life.

### Fabric-Reinforced Rubber Diaphragm

Provides long-term resistance to tears and stretches.

### Flow Control Handle

Adjusts the flow of each zone on a system.



### Robust ABS Material

Ensures the valve can withstand high pressures and flow without compromise.

### Additional Features

- ✓ 24" lead wires on 1 1/2" and 2" electric models, and 18" lead wires on 1" electric model
- ✓ Self-cleaning, stainless steel metering pin (electric)
- ✓ Tough, glass-filled Nylon bonnet
- ✓ Single-piece diaphragm



*Effluent  
Options  
Available*

## WATER MANAGEMENT HIGHLIGHT



### External Bleed

The external bleed allows manual operation of the valve without electrically charging the solenoid. System flushing can also be accomplished using the external bleed with debris and other material being flushed out of the port.

### 252 SERIES MODEL LIST

Model	Description
<b>FEMALE NPT GLOBE/ANGLE WITH FLOW CONTROL</b>	
252-06-04	1"
252-26-06	1 1/2"
252-26-08	2"
252-21-06	1 1/2" Normally Open
252-21-08	2" Normally Open

## SPECIFICATIONS

### Operational

- Recommended Flow Range:
  - 1": 5.0 to 25 gpm
  - 1 1/2": 25 to 70 gpm
  - 2": 60 to 150 gpm
- Operating Pressure: 20 to 150 psi
- Solenoid: 24 VAC, 50/60 Hz
  - Inrush: 0.30 amps, 7.20 VA
  - Holding: 0.20 amps, 4.80 VA
- Burst pressure safety rating: 750 psi

### Options Available

- Effluent Water Indicator Flow Control Knob (89-7855)

### Dimensions

- 1": 6 3/4" H x 4 1/2" W
- 1 1/2": 7 3/4" H x 6" W
- 2": 9 1/2" H x 7" W

### Warranty

- Two years



### Globe and Angle In One Valve

The all-in-one globe and angle configuration allows flexibility in design and installation. Angle installations allow for less friction loss across the piping system while globe configurations are standard in many irrigation systems.

### 252 SERIES FRICTION LOSS DATA

Size	Type	Config.	gpm Flow												
			5	10	20	25	30	40	50	60	70	80	100	120	150
1 1/2"	Hydraulic	Globe				1.0	1.0	2.0	3.0	4.0	5.5	6.5			
		Angle				1.0	1.0	1.5	1.5	3.0	4.0	5.0			
2"	Hydraulic	Globe								1.5	2.0	2.0	3.5	5.0	8.0
		Angle								1.0	1.0	1.5	2.0	3.0	5.0
1"	Electric	Globe	3.0	4.0	5.0	6.0	7.0	9.5							
		Angle	2.0	3.5	4.5	4.5	5.0	7.5							
1 1/2"	Electric	Globe				1.5	1.0	2.0	3.0	4.0	5.0	7.0			
		Angle				1.5	1.0	1.5	2.0	3.0	3.0	5.0			
2"	Electric	Globe								2.0	2.0	2.5	3.5	5.5	8.0
		Angle								1.0	1.0	2.0	3.0	4.0	5.0

Note: For optimum performance when designing a system, be sure to calculate total friction loss to ensure sufficient downstream pressure. For optimum regulation performance, size regulating valves toward the higher flow ranges. Flow rates are recommended not to exceed 5 psi loss.

■ = Debris-resistant models

### Specifying Information—252 Series Valves

252-XX-0X		
Model	Activation Type	Size
252	XX	0X
252—252 Series Valve	06—1" Electric 21—Normally Open Hydraulic 26—1 1/2" or 2" Electric	4—1" 6—1 1/2" 8—2"

Example: A 1 1/2" electric 252 Series Valve, would be specified as: **252-26-06**

Note: DC Latching Solenoid not available.



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 Specifications subject to change without notice.  
 For more information, contact your local Toro distributor.  
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