

**TORO®**

Count on it.

# 252 Series Valves

## Valves

*Toro® 252 Series valves are built tough and ready to withstand the harshest conditions in any commercial application.* With several configurations to choose from, 252 Series valves are available in electric or hydraulic, 1", 1.5" and 2" globe/angle models with flow control. Offering the same glass-filled cap and body construction as the 250/260 Series, these valves are also rated up to 150 PSI. Each valve diaphragm is a single piece and made with fabric-reinforced rubber for long-term tear and stretch tolerance. All models are female inlet/outlet NPT and their durable plastic construction makes them an economical option for commercial applications.

### Features & Benefits

#### Heavy-Duty Toro Solenoid

Provides dependable operation and long life.

#### High-Grade Construction

Made of durable materials to resist wear.

#### Globe and Angle Configurations

Easy to use in any application.

#### Fabric-Reinforced Rubber Diaphragm

Provides long-term tear and stretch tolerance.

#### Water Flow Control Handle

Adjusts the flow of each zone on a system.

#### Robust ABS Material

Ensures the valve will resist heavy pressure and high flows without damage.

 Effluent  
Options  
Available



## Globe and Angle In One Valve

The all-in-one globe and angle configuration of the 252 Series valves 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.



## Specifications

### Female NPT In-line/Angle w/Flow Control

Model	Description
• 252-06-04	1"
• 252-26-06	1½"
• 252-26-08	2"
• 252-21-06	1 ½" Normally Open
• 252-21-08	2" Normally Open

### Dimensions

- 1" – 6 ¾" H x 4 ½" W
- 1 ½" – 7 ¾" H x 6" W
- 2" – 9 ½" H x 7" W

### Operating Specifications

- Recommended Flow Range:
  - 1" – 5.0 to 20 GPM
  - 1 ½" – 25 to 70 GPM
  - 2" – 60 to 90 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

### Additional Features

- Globe and globe/angle built into one valve
- Manual flow control
- External manual bleed
- 24" lead wires (1 ½" and 2" electric) or 18" lead wires (1" electric)
- Self-cleaning, stainless steel metering pin (electric)
- Tough, glass-filled bonnet
- Single-piece diaphragm

### Options Available

- 89-7855 – Effluent Water Indicator Valve Flow Control Knob

### Warranty

- Two years

## Water Management Highlight



### External Bleed

The external bleed allows perfect manual operation of the valve without electrically charging the solenoid. With the ability of users to bleed the valve to atmosphere, pressure is relieved and the valve can effectively open and close. System flushing can also be accomplished using the external bleed with debris and other material being flushed out of the port.



### 252 Series Friction Loss Data

Size	Type	Config.	GPM Flow														
			5	10	20	25	30	40	50	60	70	80	100	120	150		
1½"	Hydraulic	Globe															
		Angle				1.0	1.0	2.0	3.0	4.0	5.5	6.5					
2"	Hydraulic	Globe															
		Angle								1.5	2.0	2.0	3.5	5.0	8.0		
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									
1½"	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 (0,3 bar) loss.

■ = Debris-resistant models

### Specifying Information—252

252-XX-0X		
Model	Activation Type	Size
252	XX	0X
252—252 Series Valve	06—1" Electric 21—Normally Open Hydraulic 26—1½" or 2" Electric	4—1" 6—1½" 8—2"
Example: A 1½" 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. P/N 09-1053-IRC  
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