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# **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.



**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.

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

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#### TORO.

#### 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	11⁄2″
• 252-26-08	2″
• 252-21-06	1 <sup>1</sup> ⁄ <sub>2</sub> " Normally Open
• 252-21-08	2" Normally Open
D'	

#### **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 <sup>1</sup>⁄<sub>2</sub>" 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

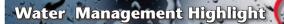
- Globe and globe/angle built into one valve
- Manual flow control
- External manual bleed
- 24" lead wires (1 1/2" and 2" electric) or 18" lead wires (1" electric)
- Self-cleaning, stainless steel metering pin (electric)
- Tough, glass-filled bonnet
- Single-piece diaphragm

#### **Options Available**

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

#### Warranty

Two years



#### 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 F	Friction	Loss	Data
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Size	Tuno	Config.	GPM Flow												
5126	Туре		5	10	20	25	30	40	50	60	70	80	100	120	150
1½"	Hydraulic	Globe Angle				1.0 1.0	1.0 1.0	2.0 1.5	3.0 1.5	4.0 3.0	5.5 4.0	6.5 5.0			
2"	Hydraulic	Globe Angle								1.5 1.0	2.0 1.0	2.0 1.5	3.5 2.0	5.0 3.0	8.0 5.0
1"	Electric	Globe Angle	3.0 2.0	4.0 3.5	5.0 4.5	6.0 4.5	7.0 5.0	9.5 7.5							
1½"	Electric	Globe Angle				1.5 1.5	1.0 1.0	2.0 1.5	3.0 2.0	4.0 3.0	5.0 3.0	7.0 5.0			
2"	Electric	Globe Angle								2.0 1.0	2.0 1.0	2.5 2.0	3.5 3.0	5.5 4.0	8.0 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- <u>XX</u> -0 <u>X</u>					
Model	Size				
252	<u>XX</u>	0 <u>X</u>			
252—252 Series Valve	06—1" Electric	4—1″			
	21—Normally Open Hydraulic	6—1½″			
	26—1½" or 2" Electric	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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