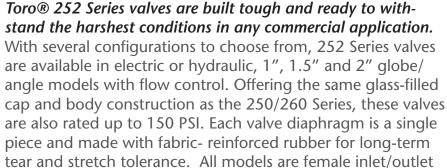


# **252 Series Valves**

## Valves



## 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.





## **252 Series Valves**

## 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 ½" Normally Open
• 252-21-08	2" Normally Open

#### **Dimensions**

- 1" 6 3/4" H x 4 1/2" 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**



#### 252 Series Friction Loss Data

Size	Turne	Config.	GPM Flow												
Size Type	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 Activation Type Size							
252	XX	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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