



- 1", 1½", 2", NPT and BSP
- Electric/Hydraulic
- Globe, Angle

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.



Learn more at
toro.com

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.



Water Management Highlight



External Bleed

The external bleed allows perfect 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.



Specifications

Dimensions

- 1": 171 x 114mm (6¾" x 4½") H x W
- 1½": 197 x 152mm (7¾" x 6") H x W
- 2": 241 x 178mm (9½" x 7") H x W

Operating Specifications

- Recommended Flow Range:
 - 1": 18,9-75,7 LPM (5-20 GPM)
 - 1½": 94,6-264,9 LPM (25-70 GPM)
 - 2": 227,1-340,6 LPM (60-90 GPM)
- Operating Pressure: 1,3-10,3 Bar (20-150 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: 51,7 Bar (750 psi)

Additional Features

- Globe and globe/angle built into one valve
- Manual flow control
- External manual bleed
- 60cm (24") lead wires 40mm (1½") and 50mm (2") electric or 45cm (18") lead wires 25mm (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



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 Model List

Model	Description
252-26-56	1½" Female BSP, Globe/Angle, with Flow Control
252-26-58	2" Female BSP, Globe/Angle, with Flow Control

252 Series Friction Loss Data—Metric

Size	Type	Config.	LPM Flow													
			25	50	75	100	125	150	175	200	250	300	400	500	600	700
1½"	Hydraulic	Globe Angle				0,07 0,07	0,09 0,08	0,14 0,10	0,18 0,10	0,23 0,13	0,34 0,25	0,44 0,34	0,78 0,56	1,06 0,93		
2"	Hydraulic	Globe Angle									0,14 0,07	0,17 0,13	0,27 0,23	0,43 0,30	0,61 0,37	0,79 0,52
1"	Electric	Globe Angle	0,2 0,2	0,30 0,26	0,34 0,31	0,42 0,32	0,53 0,40	0,65 0,51								
1½"	Electric	Globe Angle				0,10 0,09	0,11 0,08	0,14 0,10	0,18 0,12	0,23 0,16	0,32 0,21	0,47 0,33	0,84 0,52	1,20 0,70		
2"	Electric	Globe Angle									0,14 0,07	0,17 0,13	0,28 0,23	0,45 0,30	0,61 0,37	0,79 0,52

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 0,3 Bar (5 psi) loss.  = Debris-resistant models

Specifying Information—252

252-XX-X-X			
Model	Activation Type	Thread Type	Size
252	XX	X	X
252—252 Series Valve	06—1" Electric 21—Normally Open Hydraulic 26—1½" or 2" Electric	0—NPT 5—BSP	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.

toro.com

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