

TORO.

Count on it.



TPV Series Valves

Valves

The search for a full-featured yet economically priced, residential and commercial valve is over thanks to Toro's 1" valve offering—the TPV Series. These full-featured, rugged, debris-resistant valves range in flow from 0.1 to 40 GPM, making them ideal for everything from drip to high-flow residential and light-commercial applications.

Features & Benefits

Tough Double-Beaded, Chloramine and Ozone-Resistant Santoprene® Diaphragm
Ensures a consistent, leak-proof seal all the way up to 175 psi.

Multiple Body Styles

Choose from various styles to meet any installation requirement.

Wide Range of Flows and Pressure

One valve for all site specific needs.

Robust Solenoid Design

Ensures reliable opening and closing.

Water Management Highlight



Flow Control

The precise flow control with ergonomic handle allows fine tuning of the downstream pressure to prevent pressure spikes that damage sprinklers and moderate high pressures that cause misting and poor nozzle performance.



Effluent
Options
Available



DC Latching
Solenoid
Option

Specifications

Dimensions

- 5 1/8" H, 2 3/4" W, 5" L

Operating Specifications

- Flow Range: 0.1 to 40 GPM
- Operating Pressure: Electric – 10 to 175 psi
- Burst pressure safety rating: 1000 psi
- Solenoid: 24 VAC (50/60 Hz) Standard (102-7053)
 - Inrush: 0.4 amps
 - Holding: 0.2 amps

Additional Features

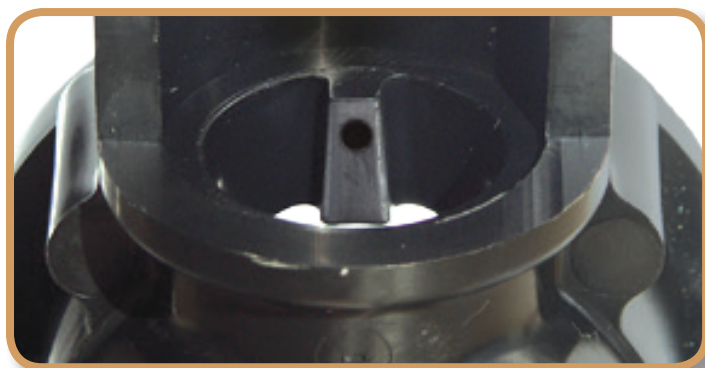
- Operates in low-flow and landscape drip applications when a filter is installed upstream
- Built with either AC or DC Latching Solenoids
- Manual Operation without the use of a controller—Internal and External Bleed
- Captured hex/Phillips screws
- Optional flow control allows precise zone adjustment and manual shutoff
- Encapsulated injection-molded solenoid with a captured plunger
- Removable flow control handle to ensure vandal-resistance
- Slip models feature patented Glue Stop™
- Self-aligning bonnet permits fast and easy servicing
- Large directional flow arrows

Options Available

- EFF-Kit-60Hz - Recycled Water Solenoid Assembly and Watering Tag
- DCLS-P - Potted DC Latching Solenoid Assembly

Warranty

- Five years



Glue Stop™

TPV Slip-by-Slip models include a patented feature which ensures that the installer can not block the downstream port of the valve during installation with primer and cement.

Models

AC Solenoids

Model	Description
• TPV100	1" Female NPT, In-Line, w/o Flow Control
• TPVF100	1" Female NPT, In-Line, w/Flow Control
• TPV100MM	1" Male Thread x Male Thread, In-Line, w/o Flow Control
• TPVF100MM	1" Male Thread x Male Thread, In-Line, w/Flow Control
• TPV100S	1" Slip x Slip, In-Line, w/o Flow Control
• TPVF100S	1" Slip x Slip, In-Line, w/Flow Control
• TPV100MB	1" Male Thread x Barb, In-Line, w/o Flow Control
• TPVF100MB	1" Male Thread x Barb, In-Line, w/Flow Control

DC Solenoids

Model	Description
• TPVF100DC	1" Female NPT, In-Line, w/ Flow Control, DCLS-P
• TPVF100MMDC	1" Male Thread x Male Thread, In-Line, w/Flow Control, DCLS-P
• TPVF100SDC	1" Slip x Slip, In-Line, w/Flow Control, DCLS-P
• TPVF100MBDC	1" Male Thread x Barb, In-Line, w/Flow Control, DCLS-P

TPV Friction Loss data

GPM Flow	.10	.25	5	10	15	20	30	40
PSI Loss	2.0	2.0	3.5	3.9	3.0	3.3	7.0	13

Specifying Information—TPV

TPVF100XXXX				
Description	Flow Control	Size	Body Style	Solenoid
TPV	E	100	XX	XX
TPV—TPV Valve	F—With Flow Control	100—1"	MM—Male X Male S—Slip MB—Male X Barb	DC—DCLS-P Latching Solenoid
Example: A 1" TPV Valve with slip configuration and flow control would be specified as: TPVF100S				

