

TORO®**TPV SERIES VALVES****WATER
SMART®**

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 0.25 to 40 GPM, making them ideal for everything from drip to high-flow residential and light-commercial applications.

FEATURES & BENEFITS

Double-Beaded, Chloramine and Ozone-Resistant Diaphragm

Ensures a consistent, leak-proof seal all the way up to 175 psi.

Multiple Body Styles

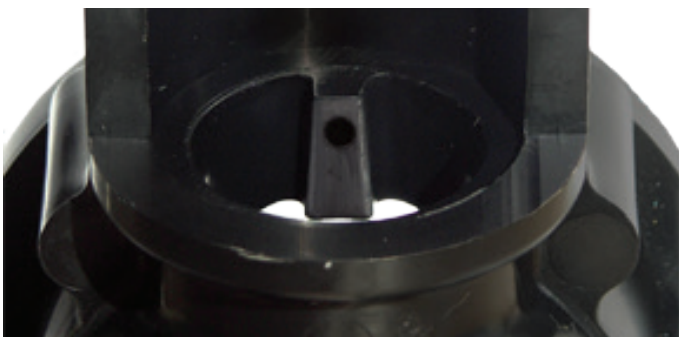
Choose from various styles to meet any installation requirement.

Wide Range of Flows and Pressure

Comprehensive product line to meet the needs of any site.

Robust Solenoid Design

Ensures reliable opening and closing.



Glue Stop

TPV Slip x Slip models include this patented feature that ensures the installer cannot block the downstream port of the valve during installation with primer and cement.



Effluent
Options
Available



DC Latching
Solenoid
Option

WATER MANAGEMENT HIGHLIGHT



SPECIFICATIONS

Operational

- Flow Range: 0.25 to 40 gpm
- Operating Pressure: Electric – 10 to 175 psi
- Burst pressure safety rating: 525 psi
- Solenoid: 24 Vac (60 Hz) Standard (P/N 118-5982)
 - Inrush: 0.4 amps
 - Holding: 0.2 amps

Dimensions

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

Options Available

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

Warranty

- Five years

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.

TPV SERIES VALVES MODEL LIST

Model	Description
AC SOLENOID ASSEMBLY	
TPV100	1" Female x Female Threads, In-Line, without Flow Control
TPVF100	1" Female x Female Threads, In-Line, with Flow Control
TPV100MM	1" Male x Male Threads, In-Line, without Flow Control
TPVF100MM	1" Male x Male Threads, In-Line, with Flow Control
TPV100S	1" Slip x Slip, In-Line, without Flow Control
TPVF100S	1" Slip x Slip, In-Line, with Flow Control
TPV100MB	1" Male Thread x Barb, In-Line, without Flow Control
TPVF100MB	1" Male Thread x Barb, In-Line, with Flow Control
DC SOLENOID ASSEMBLY	
TPV100DC	1" Female x Female Threads, In-Line, without Flow Control, DCLS-P
TPVF100DC	1" Female x Female Threads, In-Line, with Flow Control, DCLS-P
TPV100MDC	1" Male x Male Threads, In-Line, without Flow Control, DCLS-P
TPVF100MDC	1" Male x Male Threads, In-Line, with Flow Control, DCLS-P
TPVF100SDC	1" Slip x Slip, In-Line, with Flow Control, DCLS-P
TPVF100MBDC	1" Male Thread x Barb, In-Line, with Flow Control, DCLS-P

Additional Features

- ✓ Patented Debris Bypass System (DBS™) technology
- ✓ 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
- ✓ Self-aligning bonnet permits fast and easy servicing

TPV PRESSURE LOSS DATA

Flow Rate (gpm)	0.25	1	5	10	15	20	30	40
Pressure Loss (psi)	2.0	2.9	4.0	5.0	5.5	6.0	8.0	14.9

Specifying Information—TPV Series Valves

TPVF100XXXX				
Model	Flow Control	Size	Body Style	Optional
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**



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