

TPV SERIES 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 0,38 to 151 LPM, 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 12,0 Bar

Multiple Body Styles

Choose from various styles to meet any installation requirement.

Flow Control

Fine tune the valve's downstream pressure to ensure optimal performance throughout the zone.

Robust Solenoid Design

Ensures reliable opening and closing.

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
- ✓ Encapsulated injection-molded solenoid with a captured plunger
- ✓ Removable flow control handle to ensure vandal-resistance
- ✓ Self-aligning bonnet permits fast and easy servicing



Effluent
Options
Available



DC Latching
Solenoid
Option

SPECIFICATIONS

Operational

- Flow Range: 0,38-151,4 LPM
- Operating Pressure: 0,7-12,0 Bar
- Burst pressure safety rating: 68,9 bar
- Solenoid: 24 Vac (50 Hz) Standard (P/N 118-5983)
 - Inrush: 0.4 amps
 - Holding: 0.2 amps

Dimensions

- 130 x 70 x 127mm (H x W x L)

Options Available

- EFF-Kit-50Hz - Effluent Water Solenoid Assembly and Watering Tag
- DCLS-P- Potted DC Latching Solenoid Assembly

Warranty

- Five years

PRODUCT HIGHLIGHT



Flow Control

The precise flow control with ergonomic handle allows fine tuning of the downstream pressure to prevent high pressure situations that can lead to misting, poor nozzle performance, or system damage and premature wear.



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.

TPV PRESSURE LOSS DATA

Flow Rate (LPM)	0.38	0,94	18,9	37,8	56,8	75,7	113,6	151,4	189,3
Pressure Loss (Bar)	0,14	0,14	0,24	0,27	0,21	0,23	0,48	0,90	1,34

TPV SERIES VALVES MODEL LIST

Model	Description
AC SOLENOIDS	
TPV100BSP	TPV 1" Female x Female, 50Hz/BSP, without Flow Control
TPVF100BSP	TPV 1" Female x Female, 50Hz/BSP, with Flow Control
TPV100MMBSP	TPV 1" Male x Male, 50Hz/BSP, without Flow Control
TPVF100MMBSP	TPV 1" Male x Male, 50Hz/BSP, with Flow Control
DC-LATCHING SOLENOIDS	
TPVF100BSPDC	TPV 1" FxF, Electric Globe, with Flow Control, BSP, DCLS-P
TPV100BSPDC	TPV 1" FxF, Electric Globe, without Flow Control, BSP, DCLS-P
TPVF100MMBSPDC	TPV 1" MxM, Electric Globe, with Flow Control BSP, DCLS-P
TPV100MMBSPDC	TPV 1" MxM, Electric Globe, without Flow Control BSP, DCLS-P

Specifying Information—TPV Series Valves

TPVX100XXXX					
Model	Flow Control	Size	Body Style	Threads, Solenoid	Optional
TPV	X	100	XX	XXX	XX
TPV—TPV Valve	F—With Flow Control	100— 1"	MM—Male X Male	BSP- BSP Threads, 50Hz Solenoid	DC—DCLS-P Latching Solenoid

Example: A 1" TPV Valve Male with flow control would be specified as: **TPV100MMBSP**