

- 1" NPT or BSP
- 0,38-151,4 LPM (0.1—40 GPM)
- Electric



Learn more at
[Toro.com](https://www.toro.com)

The search for a full-featured yet economically priced, residential and commercial valve is over thanks to Toro's newest 1" valve offering – the TPV Series. These full-featured, rugged, debris-resistant valves feature flow ranges from 0,38 to 151 LPM (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 12,0 Bar (175 psi).

Patented DBS (Debris Bypass System) Technology™

Metering system ensures proper functionality, even in tough environments.

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

DBS Technology™ (Debris Bypass System)

DBS is a patented vibrating metering pin and diaphragm assembly that allows for small particles to pass through the valve without clogging.



Specifications

Dimensions

- 130 x 70 x 127mm (5¹/₈" x 2³/₄" x 5") H x W x L

Operating Specifications

- Flow Range: 0,38-151,4 LPM (0.1-40 GPM)
- Operating Pressure: Electric; 0,7-12,0 Bar (10-175 psi)
- Burst pressure safety rating: 68,9 Bar (1000 psi)
- Solenoid: 24 VAC (50 Hz) Standard (118-5983)
 - Inrush: 0.34 amps
 - Holding: 0.2 amps

Additional Features

- Rugged, Double-Beaded Santoprene diaphragm
- Patented DBS™ (Debris Bypass System) 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 solenoid with captured hex plunger assembly
- 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-50Hz - 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 this patented feature, which ensures that the installer cannot block the downstream port of the valve during installation with primer and cement.

TPV Series Model List

BSP Options	
Model	Description
TPV100BSP	1" Female x Female, 50Hz/BSP, w/o Flow Control
TPVF100BSP	1" Female x Female, 50Hz/BSP, w/ Flow Control
TPV100MMBSP	1" Male x Male, 50Hz/BSP, w/o Flow Control
TPVF100MMBSP	1" Male x Male, 50Hz/BSP, w/ Flow Control
TPVF100BSPDC	TPV 1" FxF, Electric Globe, w/ Flow Control, BSP, DCLS-P
TPV100BSPDC	TPV 1" FxF, Electric Globe, w/o Flow Control, BSP, DCLS-P
TPVF100MMBSPDC	TPV 1" MxM, Electric Globe, w/ Flow Control BSP, DCLS-P
TPV100MMBSPDC	TPV 1" MxM, Electric Globe, w/o Flow Control BSP, DCLS-P

TPV Friction Loss Data—Metric

LPM Flow	0,38	0,94	18,9	37,8	56,8	75,7	113,6	151,4	189,3
Bar Loss	0,14	0,14	0,24	0,27	0,21	0,23	0,48	0,90	1,34

Specifying Information—TPV

TPV-X-100-XX-XXX-XX					
Model	Flow Control	Size	Body Style	Threads, Solenoid	Optional
TPV	X	100	XX	XXX	XX
TPV—TPV Valve	F—With Flow Control	100— 1"	Blank—Female X Female MM—Male X Male S—Slip MB—Male X Barb	Blank—NPT Threads, 60Hz Solenoid BSP—BSP Threads, 50Hz Solenoid	DC—DCLS-P Latching Solenoid
Example: A 25mm (1") TPV Valve with slip configuration and flow control would be specified as: TPVF100S					