

**TORO.****Count on it.**

# TPV & TPVF

## Series Valves

### RESIDENTIAL VALVES

These full-featured, rugged, debris-resistant valves feature flow ranges from 0.1 to 40 GPM, making them ideal for everything from drip to high-flow residential and commercial applications.

*TPV100**TPV100MB**TPV100MM**TPV100S**TPVF100**TPVF100MB**TPVF100MM**TPVF100S*

## INNOVATIVE

- DBS Technology™ on all models
- Glue Stop™ on slip models
- Captured screws, spring and solenoid plunger

## VERSATILE

- Slip, threaded and barbed body styles
- Optional flow control
- Optional DC Solenoids

## ROBUST

- Chloramine and ozone resistant SANTOPRENE® diaphragm
- Rated from 10-175 psi
- 5 year warranty

SPECIFICATIONS

# TPV & TPVF Series Valves

## Features & Benefits

The search for a full-featured, competitively 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 0.1 to 40 GPM, making them ideal for everything from drip to high-flow residential and commercial applications. Choose from a variety of inlet and outlet selections to ensure that all site specific requirements are met. The patented DBS Technology™ (Debris Bypass System) ensures valve functionality in nearly all dirty water applications without the use of filters. Add a 5-year warranty and rest assured that the TPV Series will become your workhorse valve for all professional installations.



DBS Technology™ (Debris Bypass System)

DBS Technology™ is a patented metering pin and diaphragm assembly that allows for small

particles to pass through the valve without clogging. This self-flushing valve requires no filters, yet is ideal for systems with dirty water or water with debris, silt or sand.

### Additional Features

- Rugged, Double-Beaded Santoprene diaphragm
- Patented DBS Technology™ (Debris Bypass System)
- Slip models feature patent pending Glue Stop™
- Captured screws and spring
- Built with either AC or DC 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
- Large directional flow arrows
- RW60-Kit - Recycled Water (Lavender) Solenoid Assembly (24 VAC, 60 Hz) and Warning Tag
- DCLS-P - Potted DC Latching Solenoid Assembly
- Five year warranty

### Glue Stop™

TPV Slip-by-Slip models include a patent pending feature which protects the downstream "bleed" port of the valve during installation. The Glue Stop™ feature effectively blocks unwanted glue migration that could lead to valve failure. It's a safety-system built to handle what a valve installation can dish out.



### 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
- Inrush: 0.4 amps
- Holding: 0.2 amps
- 5 1/8" H, 2 3/4" W, 5" L

### TPV Friction Loss data

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

### Specifying Information—TPV

TPV <u>X</u> 100 <u>XXXX</u>				
Description	Flow Control	Size	Body Style	Solenoid
TPV	<u>X</u>	100	<u>XX</u>	<u>XX</u>
TPV—TPV Valve	F—With Flow Control	100 — 1"	MM—Male X S—Slip MB—Male X Barb	DC—DCLS-P Latching Solenoid
Example: A 1" TPV Valve with female NPT threads and flow control would be specified as: TPVF100				



Robust Diaphragm

The thick double-beaded diaphragm ensures a smooth and positive sealing. Being

ozone-resistant means the durability of the diaphragm is not compromised should the water be ozone treated. And for systems with heavy salt content, it's also chloramine-resistant. The diaphragm fits into the valve in any axial position allowing for simple servicing should the need ever arise.