

TPV Series

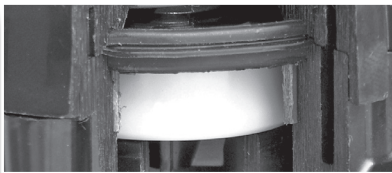
Electric Valves

V A L V E S

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.



**Debris Bypass System
Patented Vibrating Metering Pin**



**Double Beaded Ozone and
Chloramine
Resistant Santoprene
Diaphragm**

Tough Environment Durability

- DBS Technology™ (Debris Bypass System) patented vibrating metering pin and diaphragm assembly allows for small particles to pass through the valve without clogging.
- Double Beaded Ozone and Chloramine Resistant Santoprene Diaphragm ensures a smooth and positive sealing.
- Ozone resistancy means the durability of the diaphragm is not compromised when water is being treated by ozones.
- Chloramine resistant for systems with heavy salt content.
- Easy-fit diaphragm allows for simple servicing should the need ever arise.

Versatile

- Feature flow ranges from ,38 to 151 LPM (0.1 to 40 GPM).
- Designed to meet all demanding needs of drip, residential light commercial and high-pressure zones.
- Perfect valve for systems with dirty water or water with debris, silt, or sand.



TPV100BSP



TPV100MMBSP



TPVF100BSP



TPVF100MMBSP

TPV Specifications	
AC Solenoids	
Model Description	
TPV100BSP	25mm (1") Female x Female, 50Hz/BSP, without Flow Control
TPVF100BSP	25mm (1") Female x Female, 50Hz/BSP, with Flow Control
TPV100MMBSP	25mm (1") Male x Male, 50Hz/BSP, without Flow Control
TPVF100MMBSP	25mm (1") Male x Male, 50Hz/BSP, with Flow Control
DC Solenoids	
Model Description	
TPVF100BSPDC	25mm (1") FxF, Electric Globe, with Flow Control BSP/DCLS-P Latching Solenoid
TPVF100MMBSPDC	25mm (1") MxM, Electric Globe, with Flow Control BSP/DCLS-P Latching Solenoid

Note: Products may not be available in all regions.
Please consult your Toro regional sales manager for availability.

TPV Specifying Information											
<table border="1" style="margin: auto;"> <tr> <td>TPV</td> <td>X</td> <td>100</td> <td>XX</td> <td>XXX</td> <td>XX</td> </tr> </table>						TPV	X	100	XX	XXX	XX
TPV	X	100	XX	XXX	XX						
Description	Flow Control	Size	Body Style	Threads	Solenoid						
TPV—TPV Valve	F— With Flow Control	100— 1"	MM— Male x Male S— Slip MB— Male x Barb	BSP—BSP	DC— DCLS-P Latching Solenoid						
For Example: When ordering a 1" TPV Valve with female x female configuration and flow control, you would specify: TPVF100BSP											

TPV Friction Loss data—Metric								
LPM Flow	,38	,95	19	38	57	76	114	151
Bar Loss	,14	,14	,24	,29	,21	,23	,48	,90

TPV Friction Loss data—U.S.								
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

Dimensions

- 13cm H x 7cm W x 12.7 cm L
(5 1/8" H, 2 3/4" W, 5" L)

Operating Specifications

- Flow Range: ,38 to 151 LPM (0.1 to 40 GPM)
- Operating Pressure: Electric – ,69 to 12 BAR (10 to 175 psi)
- Burst pressure safety rating: 68.9 BAR (1000 psi)

Solenoid: 24 VAC (50/60 Hz) Standard
- Inrush: 0.4 amps
- Holding: 0.2 amps

Additional Features

- Multiple body styles
- High pressure and burst rating outperforms the competition in all areas
- Built with either AC or DC Solenoids
- Manual Operation without the use of a controller—Internal and External Bleed
- Captured hex/Phillips screws
- Large directional flow arrows
- Self aligning bonnet permits fast and easy servicing
- 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

Options Available

- RW50-Kit
- RW60-Kit - Recycled Water (Lavender) Solenoid Assembly (24 VAC, 60 Hz) and Warning Tag
- DCLS-P - Potted DC Latching Solenoid Assembly

Warranty

- Five years



Count on it.

Toro Irrigation Products distributed by:

Lely (UK) Ltd
1, Station Road
St. Neots
Cambridgeshire
PE19 1QH
Tel: (01480) 226800
Fax: (01480) 226881

GB Form Number: LUK200-3692

©2007 The Toro Company – All Rights Reserved.