SPECIFICATIONS

TPV & TPVF

Series Valves



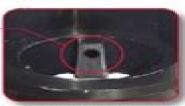
DBS TechnologyTM (Debris Bypass System)

DBS Technology⁷⁰ is a partented metering pin and diaphragm assembly that allows for small

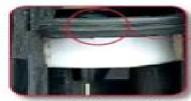
particles to pass through the valve without clogging. This self-flushing valve requires no filters, yet is ideal for systems with dirty water or water with debris, silt or sand.

Clue Stop***

TPV Slip-by-Slip models include a patent pending feature which protects the downstream "bleed" port of the valve during



installation. The Glue Stop¹⁰⁰ 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.



Robust Diaphragm

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

ozone-resistant means the durability of the diaphragmi 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.

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 TechnologyTM (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.

Additional Features

- Rugged, Double-Beaded Santoprener diaphragm
- Patented DBS Technology ***
 (Debris Bypass System)
- Sip 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
- Fivre year warranty.

Operatina Specifications

- Flow Range: 0.1 to 40 GPM
- Operating Pressure: Electric = 10 to 175 PSI
- Burst pressure safety rating: 1000 PSI
- Solenoid: 24 VAC (S0/60 Hz) Standard
- Innush: 0.4 amps
- Holding: 0.2 amps
- . 5 W" H, 2 W" W, 5" L

TPV Exiction Loss data

THE RESIDENCE	W. LOSS BOOKS
GPM Row	PM Low
.90	2.0
.25	27.0
.5	35
10	3.9
1.5	3.0
280	3.3
340	7.0
440	8.5

Specifying Information-TPV

TPVX100XXXX				
and bottom	Control	- Selection	Book Style	Sedemoid
TEW	N.	100	26.36	8.8
TPVtPV Value	F-With Flow Control	100—1*	MANA Made X Made 5—Stip Mill Made X Bade	DC—DCLS-P tanching Solivroid



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Toro Tpv Valve Manual

Michael A. Crabtree

Toro Tpv Valve Manual:

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architecture network system technology and control loop performance evaluation Author a holder of more than 150 patents and author of over a hundred publications in control valve technology shares his expertise on designing control loops and selecting final control elements The easy to read text provides shortcuts through complex sizing and noise calculation formulas including for liquids and cavitation and gives practical advice on how to apply control valves for safety reduced energy costs loop stability and easy maintenance **G.E.C. Valve Manual** General electric company, Manual on Look Valves ,1953 Radio Valve Manual , The Services Radio Valve Manual ,1944 Osram Valve Manual General Electric Company,1953 Valve Handbook Hans Palmertz,1993 Radio Valve Manual Bernards (Publishers), Ltd,1943

Toro Tpv Valve Manual Book Review: Unveiling the Magic of Language

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