

Application

Full-featured, rugged, debris resistant valves for use in systems from low flow drip to high flow residential and light commercial applications. The patented DBS (Debris Bypass System) technology ensures valve functionality in nearly all dirty water applications.

Features and Benefits

- Tough Double-Beaded, Chloramine and Ozone-Resistant Santoprene® Diaphragm
Ensures a consistent, leak-proof seal all the way up to 1206 kPa
- Robust solenoid design
Ensures reliable opening and closing
- High Pressure and Burst Rating
- Patented DBS (Debris Bypass System) Technology™
Metering system ensures proper functionality, even in tough environments

Additional Features

- Rugged, Double-Beaded Santoprene diaphragm
- Patented DBS (Debris Bypass System) Technology
- PVC body
- Manual Operation without the use of a controller – Internal and External Bleed
- Captured hex/Phillips screws
- Optional flow control allows zone adjustment and manual shut off
- Encapsulated injection-moulded solenoid with a captured plunger
- Removable flow control handle to reduce vandal tampering
- Self-aligning bonnet permits fast and easy servicing
- Large directional flow arrows

Options Available

- DCLS-P – Potted DC Latching Solenoid Assembly

Warranty

- Five years

Operating Specifications

- Flow Range: 0.4 to 150 Lpm
- Operating Pressure:
Electric 70–1206 kPa
- Burst pressure safety rating: 6900 kPa
- Solenoid: 24 VAC (50 Hz) Standard
Inrush: 0.4 amps
Holding: 0.2 amps

Dimensions (H × W × L)

H	W	L
130 mm	70 mm	127 mm

Ordering Information

Code	Description
TPVx100xxxx	25 mm FBSP TVP valve without flow control
TPVx100xxxx	25 mm FBSP TVP valve with flow control

TPV Pressure Loss Table

Flow (Lpm)	0.4	1	19	37	57	76	113	150
Pressure Loss (kPa)	13	13	24	26	20	23	48	90



1. 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.



2. DBS (Debris Bypass System) Technology™

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 reduces the need for filters.