

TORO

Count on it.

SPECIFICATIONS

TPV & TPVF

Series Valves



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.

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.



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.

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.

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

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 1/4" H, 2 1/4" W, 5" L

TPV Friction Loss data

GPM Flow	PSI Loss
10	2.0
25	2.0
5	1.5
10	1.9
15	3.0
20	3.3
30	7.0
40	11

Specifying Information—TPV

TPVX100XX.XX				
Designation	Flow Control	Size	Body Style	Solenoid
TPV	X	100	X X	X X
TPV—TPV Valve	W—With Flow Control	100—1"	MM—Male X Male S—Slip MB—Male X Barb	DC—DCLS-P Latching Solenoid

Example: A 1" TPV Valve with female NPT thread and flow control would be specified as: TPVW100



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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

In a digital era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Toro Tpv Valve Manual**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we will delve into the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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Table of Contents Toro Tpv Valve Manual

1. Understanding the eBook Toro Tpv Valve Manual
 - The Rise of Digital Reading Toro Tpv Valve Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Toro Tpv Valve Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Toro Tpv Valve Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Toro Tpv Valve Manual
 - Personalized Recommendations
 - Toro Tpv Valve Manual User Reviews and Ratings
 - Toro Tpv Valve Manual and Bestseller Lists
5. Accessing Toro Tpv Valve Manual Free and Paid eBooks

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- Toro Tpv Valve Manual eBook Subscription Services
- Toro Tpv Valve Manual Budget-Friendly Options
- 6. Navigating Toro Tpv Valve Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Toro Tpv Valve Manual Compatibility with Devices
 - Toro Tpv Valve Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Toro Tpv Valve Manual
 - Highlighting and Note-Taking Toro Tpv Valve Manual
 - Interactive Elements Toro Tpv Valve Manual
- 8. Staying Engaged with Toro Tpv Valve Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Toro Tpv Valve Manual
- 9. Balancing eBooks and Physical Books Toro Tpv Valve Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Toro Tpv Valve Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Toro Tpv Valve Manual
 - Setting Reading Goals Toro Tpv Valve Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Toro Tpv Valve Manual
 - Fact-Checking eBook Content of Toro Tpv Valve Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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