# 2 ½" SLIDE VALVE FOR D.E. FILTERS INSTALLATION GUIDE

## IMPORTANT SAFETY INSTRUCTIONS
## READ AND FOLLOW ALL INSTRUCTIONS
## SAVE THESE INSTRUCTIONS

**WARNING**

Before installing this product, read and follow all warning notices and instructions accompanying this valve. Failure to follow safety warnings and instructions can result in severe injury, death or property damage.

**CAUTION**

This valve can be used for either D.E. or sand filters. In order for the filter to function properly, the plumbing connected to the valve must be connected to the correct port. Refer to the figures below when making plumbing connections.

**WARNING**

Always turn pump off before changing valve position. ***Changing valve positions while pump is running can damage the slide valve and may result in personal injury or property damage.***



**WARNING**

Failure to follow these instructions may result in internal components becoming glued to the valve body, damaging the valve and voiding the warranty.

## IMPORTANT NOTICE

***Attention Installer!*** These instructions contain important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.



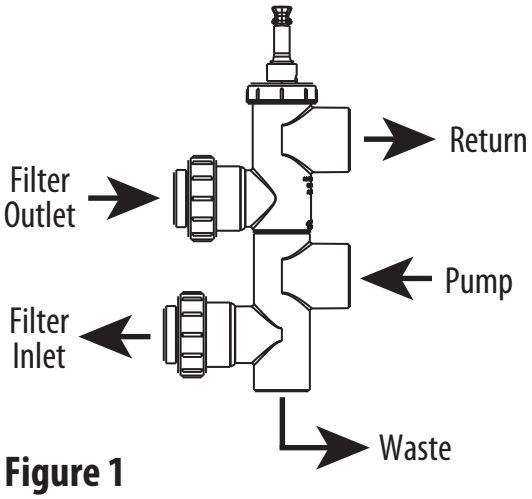



**Figure 1**

## DIATOMACEOUS EARTH FILTER

Filter ports are plumbed to valve as shown in Figure 1 for use on D.E. filters. (**600-1500**)

The valve body and supplied 2 ½" x 2" socket reducers are molded from CPVC. When solvent welding PVC pipe or reducers into the valve body, be sure to use the correct PVC solvent. Follow solvent manufacturer's instruction carefully. Be sure not to let excess solvent drip down inside the valve body when plumbing to ports.

### WARRANTY

**For product registration visit: www.waterwayplastics.com.**
**For Warranty questions or claims please contact point of purchase.**

Designed, Engineered & Manufactured in the USA.

2200 East Sturgis Road, Oxnard CA 93030 • Phone 805.981.0262 • Fax 805.981.9403
www.waterwayplastics.com • waterway@waterwayplastics.com

©2025 Waterway Plastics

810-0013.0425

Free Manual PDF downloaded from: https://watersoftenerplus.com/manuals/_pdf//manual.pdf
Back to product page: https://watersoftenerplus.com

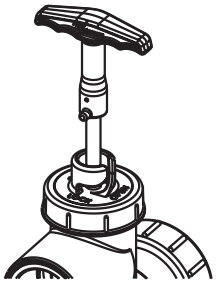
# OPERATION WITH D.E. FILTER SYSTEM

**FILTER POSITION**: For normal filtering, handle should be in the DOWN position, with pointer to Lock. Use this position for vacuuming as well.

**BACKWASH POSITION**: To backwash filter, TURN OFF PUMP. Turn valve handle counterclockwise to OPEN position. Pull handle straight UP as far as it will go. Turn valve handle counterclockwise until it stops in the LOCK position. This will keep handle from moving down. Restart pump. Water flow is reversed through filter and water and D.E. are directed out the valve waste port. After backwashing, TURN OFF PUMP. Turn handle clockwise to OPEN position. Push handle down and turn clockwise to LOCK position. Proceed as in filter instructions for STARTING and PRECOATING filter.



**FILTER POSITION**



**BACKWASH POSITION**

**SERVICING**

For proper operation, periodically remove internal and lubricate O-Rings with a Teflon or silicone base lubricant. Worn or damaged O-Rings should be replaced.

**To Remove Internal Components:** Unscrew the Top Nut counterclockwise. Carefully pull out internal component assembly. Note the alignment notch on valve body and internal component assembly. Be sure to align when reassembling. Secure assembly with Top Nut.

**To Change Piston O-Ring Housing (#10, 505-1061):** Remove internal component assembly. Remove Cotter Pins and slide Gaskets and Piston O-Rings off the Piston Shaft. Be sure to reassemble the new Piston O-Rings correctly. Lubricate liberally. Replace internal component assembly into valve body.

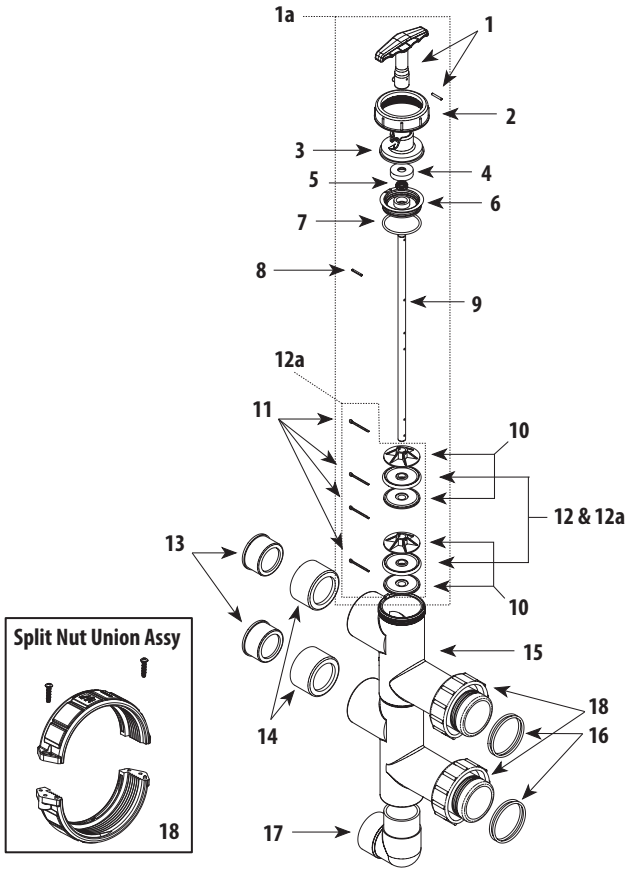
**To Change Piston Shaft O-Ring (#5, 805-0206):** Remove internal component assembly. Remove Cotter Pins and Roll Pin. Slide all the parts off the Piston Shaft. Remove worn Piston Shaft O-Rings, being careful not to damage the O-Ring groove. Lubricate new O-Ring liberally and replace on Piston Shaft with the rest of the parts. Replace internal component assembly into valve body.

**WINTERIZING**

Open waste line and place handle in BACKWASH position.

## SLIDE VALVE REPLACEMENT PARTS

| # | *Part No.* | *Description* |
|---|---|---|
| 1 | **550-4700** | Handle with Roll Pin |
| 1a | **500-1600** | Piston Shaft Assembly |
| 2 | **415-5091** | 2" Union Nut |
| 3 | **505-1021** | Indexing Cap |
| 4 | **505-1041** | Washer |
| 5 | **805-0206** | Piston Shaft O-Ring |
| 6 | **505-1031** | Cap |
| 7 | **805-0228** | Cap O-Ring |
| 8 | **802-0200** | Split Pin |
| 9 | **820-1050** | Piston Rod |
| 10 | **505-1061** | Piston O-Ring Housing |
| 11 | **802-1050** | ⅛" x 1 ½" Cotter Pin |
| 12 | **806-1000** | Piston Gasket *(2 needed - sold separately)* |
| 12a | **550-4710** | Piston Gaskets *(sold as a set of 2)* |
| 13 | **421-4071** | Reducer Bushing - 2" Spigot x 1½" S |
| 14 | **421-4201** | Reducer Socket - 2 ½" to 2" |
| 15 | **505-1051** | Slide Valve Body - D.E. Filter |
| 16 | **805-0232** | O-Ring - 2 ½" Union |
| 17 | **411-5081** | Ell - 90° Street - 2" x 2" |
| 18 | **400-5271B** | Split Nut Union Assembly (2) |




©2025 Waterway Plastics



Free Manual PDF downloaded from: https://watersoftenerplus.com/manuals/_pdf//manual.pdf
Back to product page: https://watersoftenerplus.com