

# 2 1/2" SLIDE VALVE 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.



### DIATOMACEOUS EARTH FILTER

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

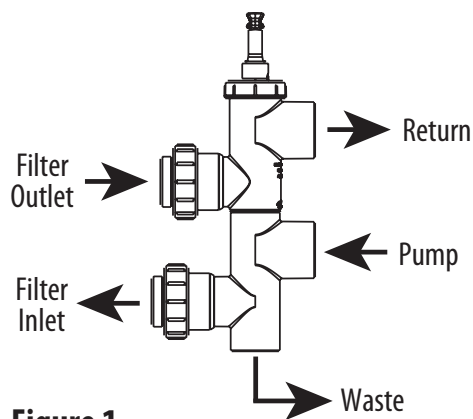


Figure 1

### SAND FILTER

Filter ports are plumbed to valve as shown in Figure 2 for use on sand filters. (600-1500UCP)

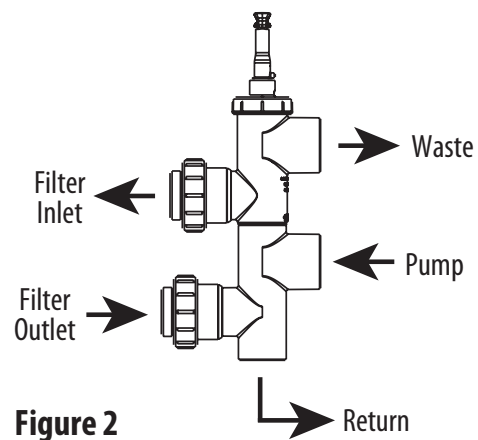


Figure 2

The valve body and supplied 2 1/2" 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.



# Waterway™

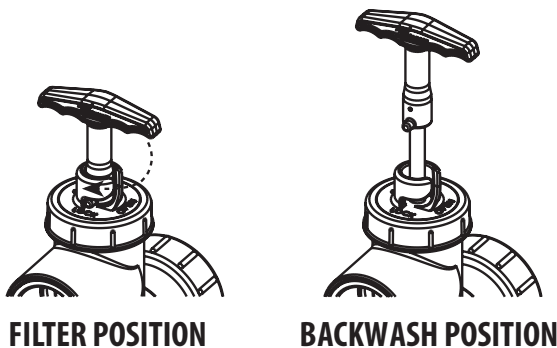
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## OPERATION WITH D.E. FILTER SYSTEM

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

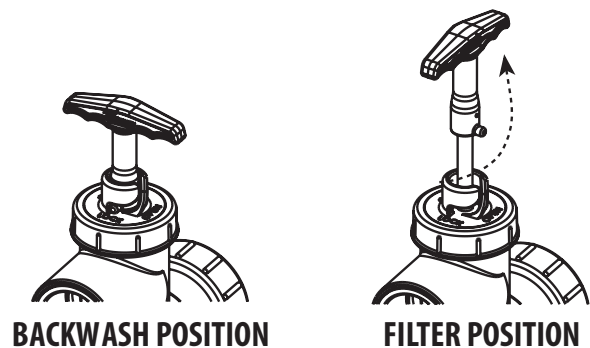
**BACKWASH POSITION:** To backwash filter, TURN OFF PUMP. Turn valve handle counterclockwise to OPEN position. Pull handle straight UP as far as it will go. Turn valve handle counterclockwise until it stops in the LOCK position. This will keep handle from moving down. Restart pump. Water flow is reversed 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.



## OPERATION WITH SAND FILTER SYSTEM

**FILTER POSITION:** For normal filtering, the Handle should be in the UP position, with pointer to Filter Lock position. This will keep the Handle from moving down. Use this position for vacuuming as well.

**BACKWASH POSITION:** To backwash filter, TURN OFF the pump. Turn the Handle clockwise; push the Handle straight down as far as it will go. Turn the Handle clockwise until it stops in the BACKWASH lock position. Restart the Pump. Water flow is reversed through the filter, and water and debris are directed out the waste port. After backwashing, TURN OFF the pump. Turn the valve handle counterclockwise to Filter position. Pull the handle up and turn clockwise to Filter lock position. Proceed as in the filter instruction for STARTING filter.



## 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	802-0009	Split Pin
9	820-1050	Piston Rod
10	505-1061	Piston O-Ring Housing
11	802-1050	1/8" x 1 1/2" Cotter Pin
12	806-1000	Piston Gasket
12a	550-4710	Piston Gaskets (sold as a set of 2)
13	421-4071	Reducer Bushing - 2" Spigot x 1 1/2" S
14	421-4201	Reducer Socket - 2 1/2" to 2"
15a	505-1051	Slide Valve Body - D.E. Filter
15b	505-1051UCP	Slide Valve Body - Sand Filter
16	805-0232	O-Ring - 2 1/2" Union
17	411-5081	Ell - 90° Street - 2" x 2"

