



# SAND SLIDE VALVE MANUAL

CMP 25831-014-000 (Replacement for Hayward SP0410X602S\*)

25831-014-000 Slide Valve (HWD SP0410X602S) 2" SAND is designed specifically for use with Hayward Pro-Series™ High Rate Sand Filters. It is fitted with locknuts to align an O-ring to the couplings on the filter unit. The valve has two positions to provide for normal filter operation and backwash cleaning.

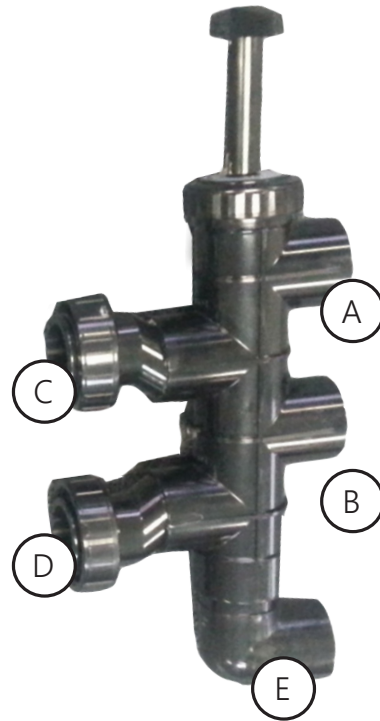
## INSTALLATION

Align port C and port D of the valve with tank so that the handle is toward the top of the tank, push valve into ports and turn the valve nuts snugly on tank fittings. It is not necessary to cinch valve nuts to tank fitting beyond hand tightness.

Install valve assembly to filter per filter instructions. Connect the pump to Port B; the pool return line to Port E; and the waste line to Port A.

The return line elbow is supplied loose to allow for proper positioning based on system piping and location. Once the return line direction is determined, solvent cement the 2" elbow adapter to Port E (bottom of valve). If a 1-1/2" connection is desired, solvent cement an appropriate reducing adapter into the elbow.

**CAUTION:** Excessive glue during plumbing may cause piston assembly to become glued to the valve body. It is recommended that you remove the entire piston assembly before plumbing and gluing. Always eliminate excess glue "drip down" inside of valve body. Allow the glue to cure completely after gluing before returning piston assembly to the down or filter position.

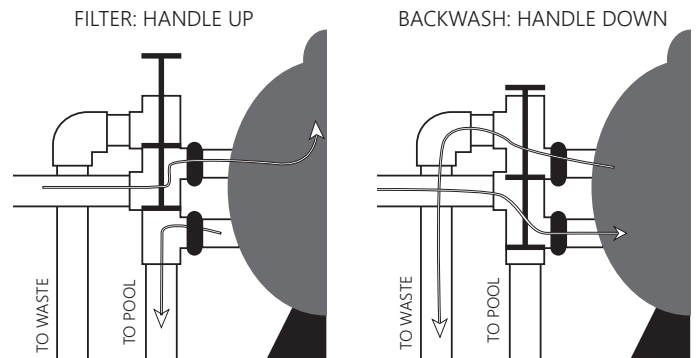


## OPERATION

**FILTER POSITION:** For normal filtering, the slide valve handle should be in the UP position, with pointer to LOCK. Also use in this position for vacuuming.

**BACKWASH:** To backwash the filter, turn off the pump. Turn the valve handle counterclockwise and to the OPEN position. Push the handle straight DOWN as far as it will go and lock it, and only then restart the pump. Water flow is reversed thru the filter, and water and dirt are directed out the valve waste line (Port A).

After backwashing, turn off pump. Pull valve handle UP and turn to LOCK position.



**WARNING**  
ONLY MOVE THE HANDLE WITH THE PUMP OFF

## SERVICING

For proper operation, periodically remove piston assembly and lubricate O-rings with only silicone based lubricants. Other lubricants may damage valve components. Worn or damaged O-rings should be replaced. Note that the bottom piston O-ring is slightly smaller than the top O-ring. Be sure to replace with exact sizes in the proper locations. Use of incorrect O-rings may cause binding and leakage.

To Remove Piston: Unscrew piston locking nut counterclockwise. Carefully pull out handle and piston assembly.

Note: The alignment notch in valve body and piston assembly. Be sure to align when reassembling. Secure assembly with the locking nut.

To change piston shaft O-ring: Remove piston assembly. Pull out drive pin, and remove handle and shaft from bonnet. Remove worn O-ring from groove in bonnet, being careful not to damage O-ring groove. Lubricate new O-ring liberally and replace in internal bonnet groove. Replace parts and secure with drive pin. Replace the piston assembly into valve body.

### REPLACEMENT PARTS:

**Piston Assembly (SPX0410BA): 25831-000-100**

**Street 90 2" Slip × 2" Spigot: 21013-204-000**

## WINTERIZING

Open waste line and place handle in BACKWASH Position. If possible, remove, clean and lubricate the piston assembly and store in an airtight container or sealed plastic bag that protect seals from light and air; store away from heat.

It is recommended that if the piston assembly is going to be left in the valve body during the winter, then it should be lubricated first to ensure that the piston assembly will actuate easily after several months without movement.

## TROUBLESHOOTING GUIDE

Problem: Leaking to Waste

1. *Dirt is on main piston assembly seals, valve seals or damaged, or o-rings were improperly replaced:* Service piston as described under "Servicing"
2. *Damaged Shaft such as scratches on the o-ring area:* replace piston assembly.
3. *Scratched valve bore:* replace valve
4. *Heat damage to valve bore:* replace valve

Problem: Leaking around shaft, exiting from cap area

1. *Dirt on small shaft seal or damaged seal:* Service piston as described under "Servicing"
2. *Damaged cap or piston shaft:* replace cap or piston assembly

Problem: Leak between top cap and valve body

1. *Dirt or damage to large cap o-ring:* service piston as described under "Servicing"
2. *Valve body damaged by heat:* replace valve

Problem: Handle is difficult to actuate

1. *Main piston seals and/or small shaft seal needs lubrication or they are damaged due to improper use of replacement o-rings:* service piston as described under "Servicing"
2. *Valve body is heavily scratched:* lubricate seals frequently. If the valve remains difficult to actuate, replace the valve
3. *Valve body damaged by heat:* replace valve