



DE SLIDE VALVE MANUAL

CMP 25831-004-000 (Replacement for Hayward SP0410X502S*)

25831-004-000 Slide Valve (HWD SP0410X502S) 2" DE is designed specifically for use with Hayward Micro-Clear™ High Rate DE Filters. It is fitted with locking nuts to align and join to the couplings on the filter unit. The valve has two positions to provide for normal filter operation and backwash cleaning.

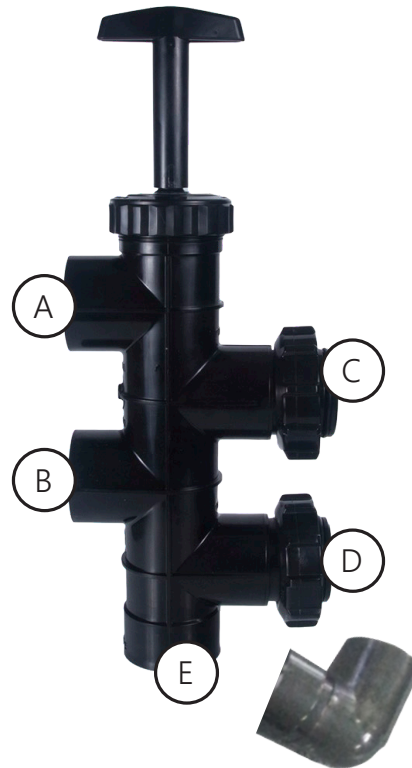
INSTALLATION

Align port C and port D of the valve with tank so that the handle is pointed towards 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 the valve assembly to filter per filter manufacturer instructions. Connect the pump to Port B; the pool return line to Port A; and the waste line to Port E.

The waste line elbow is supplied loose to allow for proper positioning based on system piping and location. Once the waste line direction is determined, solvent cement the 2" elbow adapter to Port E (bottom of valve). If a 1-1/2" waste line 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. Eliminate excess glue "drip down" inside of valve body. Allow the glue to cure completely after gluing before returning the piston assembly to the down or filter position.



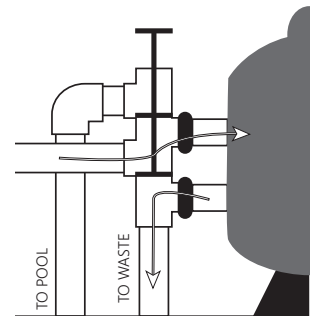
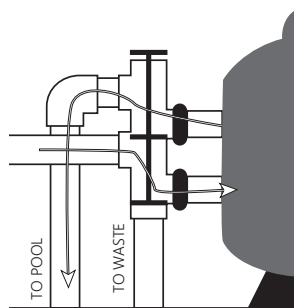
OPERATION

FILTER POSITION. For normal filtering, handle should be in the DOWN position, with pointer to LOCK. Also use in this position for vacuuming.

BACKWASH: To backwash filter, turn off pump. Turn valve handle counterclockwise to OPEN position. Pull handle straight UP as far as it will go. Restart pump. Water flow is reversed through filter and water and DE powder are directed out the valve waste line (Port E). After backwashing, turn off pump. Push valve handle DOWN and turn to LOCK position.

FILTER: HANDLE DOWN

BACKWASH: HANDLE UP



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:

Slide Valve Piston Assembly: 25831-000-100

90 Elbow: 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