

POSI ZORB Oil Water Separator Installation & Operation Procedures

Position the POSI ZORB DELIVERY SYSTEM, FILTER MODULE and an Oil Collection Container (not supplied) in an easily accessible location near your Compressor Station.

The following Filter Module Backwash Procedure MUST be performed each time you install a new Filter Module. It will purge the Filter Module of air and clarify the water by removing the fine dust created during transportation.

Filter Module Backwash Procedure:

1. Remove the 2" NPT Plug from the Inlet Port on the Filter Module. Replace with the 2" NPT (m) x 3/4" NPT (f) Reducing Bushing and a 3/4" NPT(m) x 3/4" Hose Barb Elbow
 2. Supply your required length of 3/4" Discharge Tubing (clear is recommended) (not supplied) and secure it with a Hose Clamp (not supplied) to the 3/4" Hose Barb connection. Route this Tubing to your Sanitary Sewer Floor Drain.
 3. Remove the 3/4" NPT Plug from the Outlet Port on Filter Module #PZM-15 and replace it with the 3/4" NPT (m) x 3/4" Garden Hose Adapter.
- Note: The Plug is 2" on MODULES #PZM-30 & PZM-55. Replace with a 2" NPT (m) x 3/4" NPT (f) Reducer Bushing. Then install the Garden Hose Adapter.
4. Connect one end of a Garden Hose to your Tap Water Valve. Next, connect the opposite end to the Hose Adapter on the Filter Module. **Open the Tap Water Valve ONLY One-Quarter (1/4) Turn** to Purge the Air and Fill the Filter Module with Clean Water. Continue to Backwash the Filter Module Until the Water Exiting the Discharge Hose Runs Clear.
 5. When Water runs clear, shut off the Tap Water Valve, disconnect the Garden Hose and, remove the Garden Hose Adapter Fitting from the Outlet Port. (Keep the Garden Hose Adapter Fitting for future use)

The Backwash Procedure is now complete. Prepare the Filter Module for Air Compressor Condensate Service as follows:

6. Remove the 3/4" NPT (m) x 3/4" Hose Barb Elbow and Discharge Hose from the Inlet Port and, reinstall them into the Outlet Port.
7. Install a 3/4" NPT (m) x 3/8" NPT (f) Reducer Bushing into the Inlet Port, then install a 3/8" NPT (m) x 3/8" Tubing Adapter Elbow. Next, fasten one end of the Black 3/8" Condensate Delivery Tubing to the Tubing Adapter.

Delivery System Installation:

1. Level the Delivery System.
2. Thread the 1/4" NPT (m) In-Line, Sintered Bronze, Particulate Control Air Filter into the Control Air Inlet Port. Connect a Clean, Dry, Oil-Free Compressed Air Line to the Filter.

NOTE: PROPER OPERATION OF THE DELIVERY SYSTEM REQUIRES THAT CLEAN, DRY, OIL-FREE 30-150 PSI COMPRESSED AIR BE PIPED TO THE CONTROL AIR FILTER. FAILURE TO DO SO MAY DAMAGE THE PUMP AND VOID THE WARRANTY.

WE RECOMMEND INSTALLING A COALESCING FILTER IF OIL IS PRESENT IN YOUR CONTROL AIR.

3. Install the Clear 3/4" x 18" Hose into the Oil Outlet Port with the 3/4" NPT (m) x 3/4" Hose Barb Elbow and, place the end of the hose into your Oil Collection Container (not supplied).
4. To connect the POSI ZORB Delivery System to the Filter Module, first, install a 3/8" NPT (m) x 3/8" Tubing Adapter into the 3/8" NPT Condensate Discharge Port. Then, fasten the Black 3/8" Condensate Delivery Tube (that you connected to the Filter Module in step #7) to the Tubing Adapter. Be careful not to kink the tubing.

Service Preparation Procedure:

1. Remove the Lid from the top of the Delivery System by grasping the sides of the Diffuser Chamber with both hands, and lifting the entire top straight-up. Carefully, set the Lid aside.
2. Check the Internal Pressure Gauge. It should read 20 PSI. **DO NOT ADJUST ANY HIGHER.**
3. Position the Oil Outlet Elbow, located within the Main Reservoir, so that it is pointing straight up.
4. Slowly, fill the Main Reservoir with Tap Water. (Water will automatically exit through the Pick-Up Tube and spill into the Delivery System Reservoir.
5. The rising Water Level will open the Discharge Valve by lifting the Ball Float. This will cause the pump to start cycling and push the Water through the Filter Module.
6. Watch the Discharge Hose on the Filter Module to determine that water is being pumped through the system. If it is not, add about a half-a-gallon to the Reservoir and check again. The Pump will continue to run until the receding Water Level lowers the Ball Float enough to close the valve. This will stop the Pump.

System Commissioning:

1. Replace the Lid on the Delivery System.
2. Connect your Condensate Drain Lines to the 1/2" NPT (F) Inlet Connections on the Diffuser Chamber.

Note: The Diffuser Chamber can be rotated at 90-degree intervals to ease your piping restraints. Simply remove the four Socket Head Cap Screws, position as needed and, replace the screws.

3. **SAVE ALL PLUGS AND FITTINGS!!!**
4. The POSI ZORB is ready for Service.

OPERATION:

- ✓ The POSI ZORB DELIVERY SYSTEM will automatically Start and Stop as required by the Condensate Load.
- ✓ Weekly, collect a sample of the Discharge Water in a clear glass vessel and, compare it to Tap Water checking for cloudiness.
- ✓ Replace the FILTER MODULE when cloudiness appears in the discharge water sample.

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"The Best in Condensate Drain Technology"