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Two Way Drum Pump System

Installation & Maintenance Guide

Two Way Drum Pump System is the most reliable device for handling spills and overflows using just compressed air as a power source. It can be used for sopping up or transferring waste water, sludge, tramp oil, hydraulic oil, lubricant, coolant, chips, and other liquids.



Version 1.0



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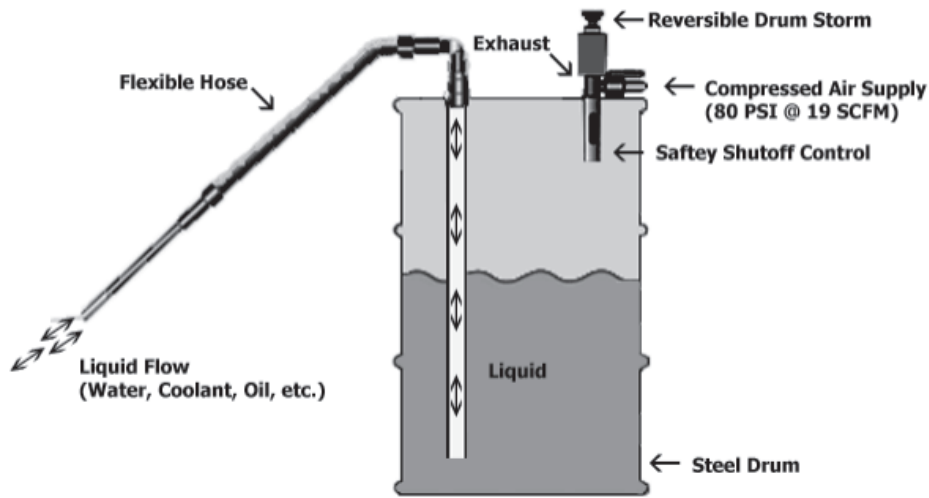
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01 System Parts

02 Recommended Hose Runs

03 Compressed Air Supply



WARNING: Under **NO CIRCUMSTANCE** is the Two Way Drum Pump System to be used with any material with a low flashpoint or with flammable liquids such as mineral spirits, alcohol, fuel oil, kerosene or gasoline.

01 System Parts

Stainless Steel Two Way Drum Pump System Unit || 10 ft. x 1-1/2" Hose || Two 19" Pick-Up Wands || Crevice Tool || Skimmer || Heavy Duty floor tool || PVC Standpipe with Quick Release Elbow.

NOT INCLUDED: Drum, Filters, and Shut-off valve.

02 Recommended Hose Runs

LENGTH OF RUN	SIZE OF PIPE/HOSE
1 - 25ft	Use 1/4" pipe or 3/8" air hose
25 - 50ft	Use 3/8" pipe or 1/2" air hose
50ft and above	Use 1/2" pipe or larger

03 Compressed Air Supply

**All filters should be installed within 10-15ft of the Drum Storm. It's important to use supplied fittings to minimize possibility of air restriction.

Water removal

Minimum 10 micron filter, with an automatic (float type) drain.

Oil removal

Use a minimum 30 micron oil filter installed downstream from the water filter if oil is a concern. Again this should be fitted with an automatic (float type) drain.

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04 How to use the Two Way Drum Pump

1. Utilize a closed head 55 gallon (208 liter) steel drum that is free of contaminants and in good condition.
2. Thread the Two Way Drum Pump System into the ¾" NPT hole of the drum.
3. Insert the white PVC standpipe with the quick release elbow into the 2" NPT threaded hole on the drum.
4. Slide the vacuum hose onto the quick release elbow and secure with a hose clamp. The appropriate tool for the application can be inserted into the other end.
5. Attach a compressed air shut-off valve to the Stainless Steel Two Way Drum Pump System. Now attach the compressed air hose to the manual shut off valve. It's very important that a clean dry source of compressed air is used.
6. **To fill the drum**, fully immerse the vacuum tube into the liquid, and turn the knob on top of the pump to the fill position. **To empty the drum**, simply turn the knob on top of the pump to the empty position, then turn on the compressed air. A 'popping sound' from the drum is normal as the Two Way Drum Pump System begins to fill or empty the drum.

05 Cleaning

As long as a clean dry source of compressed air is used, the Two Way Drum Pump System should not require maintenance. The system has no moving parts inside except for the adjusting knob and handle. If cleaning needs to be done, immerse the entire unit into a mild degreasing solvent. Use a compressed air gun to clean the excess contaminants and cleaning solution. When finished, be sure the float moves freely.

06 Troubleshooting

There are many factors that can cause the reduction in vacuum and/or flow. Undersized airlines, restrictive fittings, clogged filter elements, leaky vacuum hose/cuffs, and any threaded inlets are common areas to check.