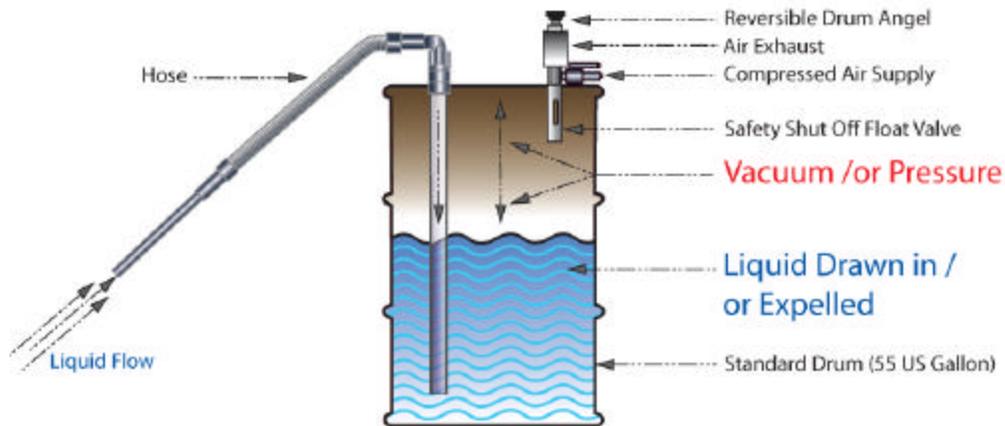


## X-STREAM REVERSIBLE DRUM ANGEL INSTALLATION AND MAINTENANCE

### Reversible Drum Angel



**NOTE: NOT TO BE USED WITH FLAMMABLE LIQUIDS!**

**SYSTEM PARTS:**

- Reversible Drum Angel Unit
- PVC pipe attached to large drum hole adaptor
- Crevice Tool
- Skimmer Tool
- Heavy Duty Floor Tool
- Two (2) Straight extension wands
- 10 feet hose and clamp to attach to drum adaptor

**NOT INCLUDED:** Drum, shut off valve, filters.

**WARNING:** Do NOT USE with any material with a low flashpoint or with flammable liquids such as alcohol, mineral spirits, fuel oil, kerosene or gasoline.

**SAFETY FEATURES:** The powerful Drum Angel can fill or empty a drum in less than 2 minutes. An automatic safety shutoff prevent spills or over filling. A pressure relief system prevent s over pressurizing the drum. There is an additional design feature to prevent liquid from accidentally going up into the Drum Angel that is proprietary to Nex Flow. (This is not necessarily preventable in competitive systems).

**INSTALLATION GUIDELINES:** Compressed air lines should be sized to keep pressure drop minimal – air lines should be ¼” pipe up to 25 foot (7.6 m) lengths, 3/8” pipe up to 50 foot (15.2 m) lengths. Do not use restrictive fittings or connections that could cause excessive pressure drop which can reduce the performance of the Drum Angel. The air usage of the Drum Angel is 18 SCFM at 80 PSIG (5.5 bar). Proper filtration is required to remove dirt and moisture which can clog the Drum Angel. We recommend a minimum 10 micron filter with auto drain sized to handle 18 SCFM at 80 PSIG or more. An oil removal filter with a minimum of 0.30 micron filtration and with an auto drain is recommended if oil could be a problem in the air lines and would be mounted downstream of the water removal filter. Filters should be muted within 10 to 15 feet (3 to 5 meters) within the location of the Drum Angel.

**USING THE REVERSIBLE DRUM ANGEL:** Utilize a drum that is in good condition and is free of contaminants. The Reversible Drum Angel mounts into the small ¾” NPT threaded hole of a 55 gallon (208 liter drum) as per diagram above. Insert the white PVC suction tube into the 2” NPT threaded hole and secure by turning clockwise. Attach the threaded elbow adaptor to the suction tube (clockwise). Slide the vacuum hose onto the quick release elbow fitting and secure with hose clamp. Secure the quick release elbow to the adaptor (lever locks). Insert the tool that best suits the application at the other end of the vacuum hose. Connect the compressed air line via a shut off valve (not included) from the filter to the Drum Angel. Tighten to prevent leaks. Open the shut-off valve to supply air into the Drum Angel. The drum may make a “popping” sound which is normal as the Reversible Drum Angel begins to either empty or fill the drum.

**MAINTENANCE:** Maintenance is usually not required as long as there is proper filtration to keep out moisture and dirt. The system has no moving parts inside except for the adjusting knob and handle. Performance can be hindered by dirty filter elements. In this case the filter elements may need to be changed. If the Drum Angel requires cleaning simply immerse the entire unit in a mild degreasing solvent. After cleaning, be sure the float moves freely. Use an air gun to remove the cleaning solution and contaminants.

Usually the Drum Angel does not require disassembly. However, if disassembled, reassemble in the same manner including o-rings supplied to assure proper setting for optimum operation.

Always clean the vacuum hose and attachments after every use.

**If any questions or assistance is required:**

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