

Connecting or Disconnecting an Odor-Tech Odorant Cylinder



CONNECTING A CYLINDER TO YOUR OPERATIONS

1. Receive the cylinder and assess for any damage.
2. Open the lid (57 & 120 Gal cylinders only).
3. Ensure the valves are closed. If not, close the valves.
4. Ensure the liquid valve seal has not been broken (57 & 120 Gal cylinders only). If it's broken, please contact Odor-Tech technical assistance at +1 (318) 767-0821 - ext. 106.
5. Remove the shipping plugs slowly from the valves to ensure there is no pressure under the plug.
 - a. **Caution:** Use proper Personal Protective Equipment (PPE) in case there is pressure on the cylinder (goggles, chemical gloves, hard hat...). Please refer to the Odor-Tech Safety Data Sheet.
 - b. Keep plugs for use at time of cylinder return to Odor-Tech.
6. Hoses and connect fittings are not supplied by Odor-Tech.
 - a. We recommend $\text{Ø}1/2"$ non-conductive (Parker 588N-8 or equivalent) hoses with $\text{PSI} > 2,000$ for Liquid and Vapor lines.
 - b. We recommend Quick Connect Staubli or Tomco with Viton® O-Rings (see cylinder valve dimensions on other side of this page).
7. Install the proper male quick connect fittings into the cylinder valves with Teflon® Tape.
8. Install the pressure hose onto the cylinder valve marked 'Vapor'.
9. Install the liquid hose onto the cylinder valve marked 'Liquid'.
10. Connect the liquid valve of the cylinder to the corresponding discharge points and keep it closed.
11. Pressure with regulated inert gas (Nitrogen is commonly used) to desired PSI the cylinder through the Vapor hose.

DO NOT EXCEED 150 PSI



12. Open the cylinder 'Vapor' valve and check all fittings for leaks.
13. **Check that the receiving vessel's pressure is lower than the pressure you put in the cylinder.**

If not connect the 'Liquid' hoses to a pump to discharge the cylinder and compensate the pressure loss in the cylinder with inert gas.
14. Open the cylinder liquid valve and liquid odorant will discharge into the connected vessel.
15. When Odor-Tech cylinders are refilled on-site, NEVER exceed 85% filling rate. Please refer to Odor-Tech's odorant density table in Odor-Tech Technical Data Sheets.

DISCONNECTING A CYLINDER FROM YOUR OPERATIONS

1. Cylinders must be returned empty of liquid: once empty, close the 'Vapor' cylinder valve.
2. Allow vapor to blow through the liquid hose to purge the hose of any residual liquid (the cylinder and your vessel should equalize in pressure).
3. When liquid hose is purged, close the liquid valve.
4. Carefully remove the hoses from the vapor valve and the liquid valve.
 - a. **Caution:** Proper PPE to include eye protection should be used when disconnecting hoses (goggles, chemical gloves, hard hat...). Please refer to the Odor-Tech Safety Data Sheet.
 - b. Check that hoses are free of product.
5. Spray hose ends and fittings with the O-Scent neutralizing agent to eliminate any odor. To order O-Scent please contact Odor-Tech.
6. Depressurize the cylinder to atmospheric pressure.
7. Carefully remove the quick connect fittings from the vapor and liquid valves.
8. Spray the quick connect fittings with the O-Scent neutralizing agent to eliminate odor and clean the fittings.
9. Apply Teflon Tape to shipping plugs and reinstall plugs in the liquid and vapor valves.
10. Make sure the DOT shipping information is still in place, and has not been removed, prior to returning.
11. Call Odor-Tech to arrange the return of cylinders.
12. Spray the cylinder valves and around the cylinder using O-scent neutralizing agent prior to the cylinder pick-up by the LTL carrier.

For Technical support,
contact Odor-Tech technical assistance at
+1 (318) 767 0821 ext. 106



REGULATIONS AND ODOR-TECH CYLINDER SPECIFICATIONS

The gas odorants contained in these cylinders are classified as hazardous material by the US Department of Transportation (DOT): these are Class 3 - Flammable liquid. Please refer to Odor-Tech Safety Data Sheets to learn more about gas odorant properties. Never consider these cylinders as strictly empty: they may contain residual hazardous material and shall be transported the same way as when it previously contained a greater quantity of gas odorant.

Transportation rules for packaged hazardous materials are defined in 49 CFR Part 100 – 180.

Odor-Tech cylinders are DOT 4BW240 packaging type and are equipped with a mechanical level gauge.

	5 gal	57 gal	120 gal
			
Tare Weight	26.5 lbs/12 kg	188 lbs/85.3 kg	313 lbs/142 kg
Dimensions (Height/diameter)	H 483 mm D 305 mm	H 1194 mm D 610 mm	H 1445 mm D 762 mm

Cylinder Valve Dimensions		
Vapor Valve		1/2 inches - 12.70 mm
Liquid Valve		3/4 inches - 19.05 mm

To re-order, contact: +1 318.767.0821
 Odortech.cs@arkema.com
 7591 Esler Field Road
 Pineville, LA 71360

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