



DRY ICE TRAP

PUMP ACCESSORY

- **Traps vapors/liquid to:**
 - Improve pump efficiency
 - Prolong pump life
- **Includes trap, lid, fittings, and tubing**

DRY ICE TRAP

DESCRIPTION

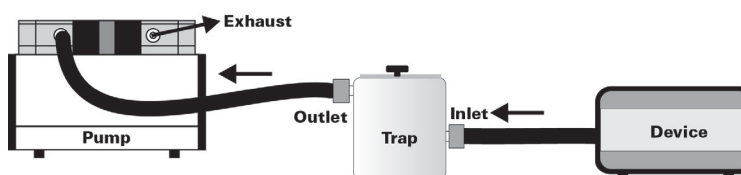
The model UST 800 dry ice trap is a liquid solvent collecting device for use with filtration manifolds, gel dryers, vacuum ovens, rotary evaporators, and vacuum concentrators where the desired solvent collection capacity does not exceed 1000 mL. Placed between a KNF vacuum pump and the laboratory device, this trap improves solvent recovery, pump reliability, eliminates downtime by preventing excessive liquid condensate from reaching the pump, and reduces the amount of solvent vapors released into the environment.

FEATURES

- **Economical cooling** – Used in place of costly mechanical refrigeration devices, this trap can be filled with inexpensive, readily-available dry ice for maximum efficiency.
- **Visibility** – The clear glass construction provides easy viewing of trap operation, collection level, and cleanliness.
- **Quality construction** – Heavy-duty laboratory-grade glass construction. Supplied with angled hose connectors, quick disconnects, acrylic plastic lid, and a 30 cm length of Tygon® tubing.

INSTRUCTIONS FOR USE

1. Before each use, thoroughly check all surfaces for damage. Do not use a damaged trap.
2. Carefully observe the inlet and outlet symbols printed on the trap. Connect as shown below, between the vacuum process port and the inlet port of the vacuum pump.



Order No.	Liquid Capacity (mL)	Dry Ice Capacity (mL)	Dimensions (mm)
UST 800	~ 1000	~ 400	140 D x 155 H

LABOPORT® is a registered trademark of KNF Neuberger GmbH
Tygon® is a registered trademark of Saint Gobain.

- Traps vapors/liquid to improve efficiency and prolong pump life
- For filtration manifolds, gel dryers, vacuum ovens, rotary evaporators, and vacuum concentrators
- Includes trap, lid, fittings, and tubing

3. Use tubing rated for vacuum use, (to prevent collapse) and resistant to the solvents used. Check that all connections are secure. Do not overtighten.
4. For best results and safety, place the trap on a stable, level surface. Fill the center chamber with dry ice, using isopropyl alcohol if desired, not acetone. The cold finger created by the dry ice will trap moisture on the inside of the chamber wall.
5. It is important to empty the trap after each use before excessive ice builds up on the inside wall. Allow frozen contents to thaw before emptying. Do not allow dry ice to remain inside a full trap, as stress from ice build-up may damage the trap.

SPECIFICATIONS

- Liquid collection capacity: ~ 1000 mL to top fitting
- Dry ice cold finger capacity: ~ 400 mL
- Diameter: 140 mm, without fittings
- Height: 155 mm, without lid
- Glass port thread: GL-18 with plastic fittings for 3/8" ID tubing



Use the UST 800 Dry Ice Trap with KNF LABOPORT® pumps.