



UST800 Trap shown with included accessories.

Type: UST800

Glass Dry Ice Trap Liquid Solvent Collection Device

for use with Filtration Manifolds,
Gel Dryers, Vacuum Ovens
Rotary Evaporators
Vacuum Concentrators

Maximum Liquid Capacity: 1000 milliliters

Description

The model UST800 dry ice trap is a liquid solvent collecting device for use with filtration manifolds, gel dryers, rotary evaporators and vacuum concentrators where the desired solvent collection capacity does not exceed 1000 ml. Placed between a vacuum pump and the process chamber, the trap increases pump efficiency and reduces process time. Designed for use with all KNF Neuberger vacuum pumps, this trap improves reliability, pumping speed, and eliminates downtime by preventing excessive liquid condensate from reaching the pump.

Trap Features

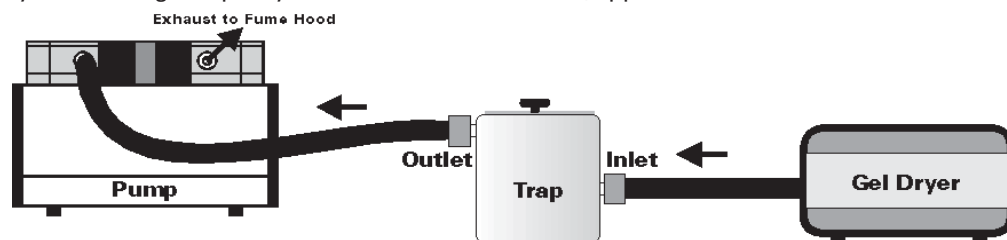
- **Economical cooling** – Used in place of costly mechanical refrigeration devices, this trap can be filled with inexpensive, readily-available dry ice for maximum efficiency.
- **Visible process** - The clear glass construction provides easy viewing of trap operation, collection level and cleanliness.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

Instructions for Use

- Before each use, thoroughly check all surfaces for damage. Do not use a damaged trap.
- 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.
- Use hose that is rated for vacuum use, (to prevent collapse) and resistant to the process solvents used. Check that all connections are securely tightened. Do not overtighten.
- 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.
- It is important to empty the trap after each use before excessive ice builds up on the inside wall. Allow frozen contents to thaw overnight before emptying. Do not allow dry ice to remain inside a full trap, as stress from ice build-up may damage the trap.

Dimensions

- | | |
|---------------------------------------|--|
| • Overall diameter: | 140 mm, without fittings |
| • Overall height: | 155 mm, without lid |
| • Glass port thread type: | GL-18 with plastic 3/8" hose fittings |
| • Maximum liquid collection capacity: | 1000 milliliters, approx. to top fitting |
| • Dry ice cold finger capacity: | 400 milliliters, approx. |



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