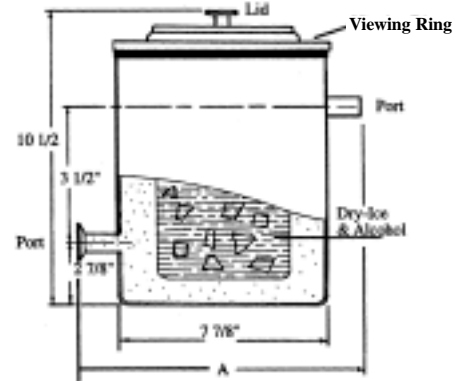


F54 Dry-Ice & LN2 Cooled Foreline Traps

Dry-Ice Cooled Foreline Trap

Dry-ice and alcohol is all that is needed to cool this cold trap to -75°C , thus trapping most volatile materials. Holds 3 quarts of dry-ice slurry (dry-ice and alcohol). Holding time is approximately 20 hours depending on vacuum through-put. The cold well is visible during operation to monitor condensation. Defrost and clean-up is easily accomplished.

For durability and ease of cleaning, the outer body and cold well are electro-polished ID/OD 304 stainless steel. Viewing ring and lid are clear acrylic plastic.



Part No.	Ports	A
1050-006	1/2"	10 3/4"
1050-001	3/4"	10 3/4"
1050-002	NW 16 x 3/4"	11 1/16"
1050-003	NW 25 x 3/4"	11 1/16"
1050-004	NW 40 x 3/4"	11 1/16"

Liquid Nitrogen Cold Trap, Liter

Features:

- Electropolished 304 Stainless Steel Construction
- Electropolished cold thimble and trap interior. Provides resistance to corrosion, and superior vacuum compatibility. Reduces the effect of radiant heat on the cold surface.
- Easily removable cold thimble

S.I.S.[™] cold traps are on the "cold thimble" design. The surface of the cold thimble containing liquid nitrogen at -187°C , being exposed to the vacuum system, rapidly condenses molecules in the vapor phase. This action provides the trapping effect, and cryopumping especially for water vapor the most common condensable in vacuum systems. Pumping speed for water vapor at the trapping surface is 95 liters/sec. per sq. inch. The vapor pressure for water vapor at the cold thimble is reduced to 10^{-21} Torr, "theoretical," producing a low base vacuum. Other gases found in vacuum processes will be sublimated or liquefied at the cold trapping surface. This effect provides a convenient trapping or collecting mechanism.



Part No.	Description	Price
LNT-4-100K	4" Diameter Body Inline LN2 ATrap with NW25 Nipples, 4" Diameter by 11.5" Overall height	
LNT-4-150K	4" Diameter Body Inline LN2 ATrap with NW40 Nipples, 4" Diameter by 11.5" Overall height	