

Liquid Nitrogen Trap

LNT Series

Application

The Solberg LNT is an extremely effective liquid nitrogen trap designed to condense and reclaim target vapors such as ethanol, essential oils, and other high value products. The LNT also captures water, solvents, and other undesirable contaminants to protect the vacuum pump from ingesting harmful vapors and liquids. The LNT is constructed out of 304 stainless steel and comes standard with a laboratory stand and large drain to quickly evacuate captured materials. The innovative Fin Pack™ system provides substantial cold surface area while the offset inlet and outlet design creates a directional shift in flow to increase dwell time. These mechanisms work together to achieve maximum condensing performance in a highly compact design. The LNT includes a quick release v-band style clamp for ease of assembly and quick turnaround.

Benefits

- Captures essential oils and other desirable vapors for recovery and collection
- Helps achieve lower base pressure and faster pump-down times
- Protects against ingestion of undesirable, harmful contaminants
- Reduces maintenance costs over the lifetime of the pump

Features

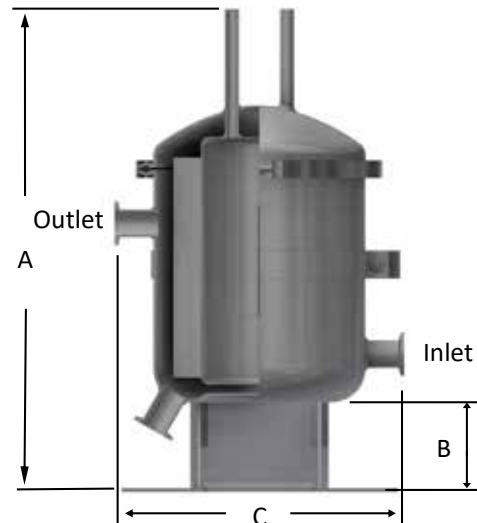
- Large drain port
- Integrated stand
- Easy serviceability
- Fin Pack™ exchanger

Technical Specifications

- Up to 95% trapping efficiency
- Can accommodate flows up to 250 CFM (425 m³/h)
- Allows up to 6 hours of runtime with single fill system*
- Leak rate 1x10⁻⁵ mbar l/sec

Inlet/ Outlet	Housing Size	Assembly Part Number	Dimensions - inches			Stand Length
			A	B	C	
NW16	8"	LNT-850-NW16S1	16 ½	3 ¼	10	15"
NW25	8"	LNT-850-NW25S1	16 ½	3 ¼	10	15"
NW40	8"	LNT-850-NW40S1	16 ½	3 ¼	10	15"
NW50	8"	LNT-850-NW50S1	16 ½	3 ¼	10	15"

*Results and run times may vary depending on application conditions.



Options

- Single or dual fill tubes
- Conical adapters
- Clamps, centering rings, and o-rings

Rev: LNT-US1020K