

PRODUCT TECHNICAL BRIEF

LeakLab N Liquid-Nitrogen Cold Traps

LeakLab N Liquid-Nitrogen Cold Traps - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Product Label	Recommended

Technical and Project Information

Stainless-steel LN2 cold traps for condensing water vapor and selected condensable contaminants in vacuum lines. Trap geometry, capacity, flange, conductance and warm-up procedure are engineered for the process.

These traps cool an internal surface with liquid nitrogen so that water vapor and other sufficiently condensable species are captured before they reach a pump or sensitive chamber.

- Target vapor, gas load and required holding time
- Line pressure, conductance and flange standard
- Liquid-nitrogen capacity, fill method and boil-off rate
- Wetted materials, cleaning and regeneration procedure
- Insulation, supports and safe venting

A cold trap does not capture every gas and can release accumulated material rapidly during warm-up. Never isolate a warming trap between closed valves: evaporation can create dangerous overpressure.

Provide ventilation and oxygen-deficiency monitoring where required. Review the compatibility and hazards of all condensed process materials before filling, warming, opening or cleaning the trap.

- Helium Reference Leaks
- Scanning Electron Microscopes
- Leak-Detector Accessories Leak-Detector Spare Parts Vacuum-System Filters and Traps
- Leak-Detector Spare Parts
- Vacuum-System Filters and Traps

WORLDWIDE PROJECT CONTACT

Send the test object or system, operating conditions, target sensitivity or pressure range, applicable standard, destination country, quantity and schedule. LeakLab will review the project scope.

mail@leaklab.org

Regarding: LeakLab N Liquid-Nitrogen Cold Traps

Specifications, standards, verification scope, availability and commercial terms must be confirmed for the exact configuration and destination jurisdiction before order or project acceptance.