FRONTIER BY LACO TECHNOLOGIES

LCF LIQUID NITROGEN COLD FINGER

Protect your sensitive equipment from contaminants during High Vacuum (<1E^{-4} Torr) with an LN2-based Cold Finger. With simple integration via ISO100 port, our LN2 Cold Finger captures outgassed materials and water vapor to ensure safe, clean, and efficient operation of your vacuum system.

FEATURES

- Achieves temperatures down to -170° C
- Runs on LN2, water, or chiller fluid
- Integrates with LACO Control System Cryo Valve to minimize LN2 consumption
- Internal Type K thermocouple for temperature control
- Optional surface thermocouple for external temperature monitoring
- Simple system integration via ISO port
- Quick removal for cleaning from port or within vacuum chamber

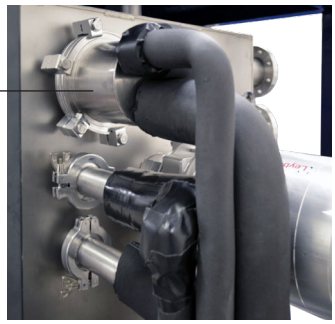
LCF-LN2-ISO100

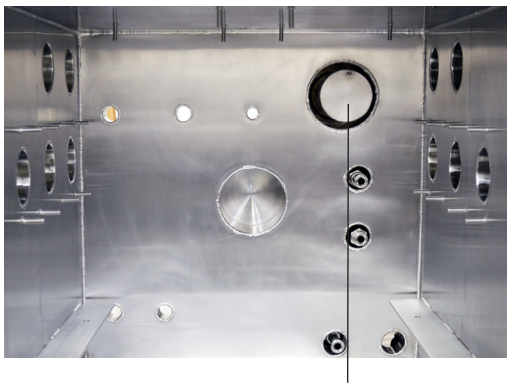
BENEFITS

- Liquid nitrogen used as cooling agent
- Traps volatile contaminates in the vacuum chamber
- Extend reliability and life of system components
- Protect sensitive equipment and vacuum process integrity
- Reduce cleaning and decontamination downtime
- Aids in achieving lower vacuum levels
- Improve pumpdown times and vacuum performance

COLD FINGER SPECIFICATIONS	
COMPONENT	DESCRIPTION
PART NUMBER	LCF-LN2-ISO100
MOUNTING METHOD	ISO 100
DIMENSIONS (LxWxH)	9.5 x 8 x 6 in (24 x 20 x 15 cm)
WEIGHT	6 lbs (2.8 kg)
COOLING METHOD	LN2
MIN. OPERATING TEMP.	-170°C
VACUUM RATING	<1 x 10^{-7} Torr
HELIUM LEAK TESTED	< 1 x 10^{-8} ATM-CC/sec
FINISH	Mechanically Polished
INLET/OUTLET	3/8" NPT or 1/2" JIC
THERMOCOUPLE	Type K

External view of Cold Finger vacuum system integration





Internal view of Cold Finger vacuum system integration.

MORE INFO