VACUSHIELD LN_2 COLD TRAP

Description

ANCORP's VacuShield LN_2 cold trap protects vacuum pumps from moisture and condensible solvent vapors produced upstream within high vacuum systems. It utilizes the surface area of a liquid nitrogen-cooled stainless steel Dewar to trap water and other condensible vapors.

All surfaces of the trap are electropolished to ease cleaning and deflect heat. A vented stopper reduces liquid nitrogen evaporation and to help maintain a stable temperature within the Dewar. Cap handles and a simple 2-piece clamped body design allow for easy handling and maintenance.

Features

- Liquid nitrogen-cooled Dewar for high vacuum trapping of condensible vapors
- Protects pump from water and condensible vapor
- Protects system from backstreaming pump lubricants
- Simple, clamped two piece body design – eases cleaning, assembly, and provides a consistent seal
- Electropolished body: eases cleaning, deflects heat, and reduces iron concentration on trap surfaces which increases corrosion resistance
- Cap handles included for easy handling of trap
- Large fill port
- Port stopper included - reduces liquid nitrogen evaporation and assists in the maintenance of a stable temperature within the Dewar
- Connection options: ISO-QF (KF/NW); others on request

Specifications

Vacuum and Temperature Ratings

- High vacuum rated to $1x10^{-8}$ Torr
- Temperature range (Buna-N seal): -20°C–100°C

Materials

- Body, flanges and baffle: 304 stainless steel electropolished
- Seal: Buna-N

Product Notes

- Trapping mechanics: condensation
- Connection to system: ISO-QF (KF, NW) flanges
- No mounting plate or exhaust vent on 0.8 Liter

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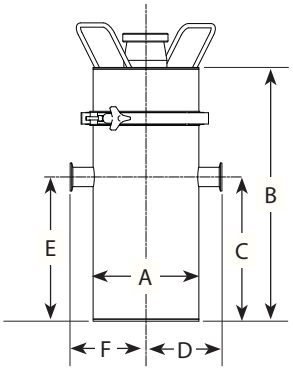
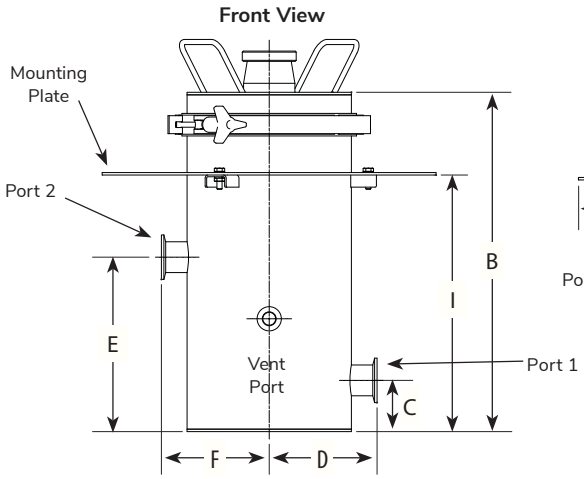
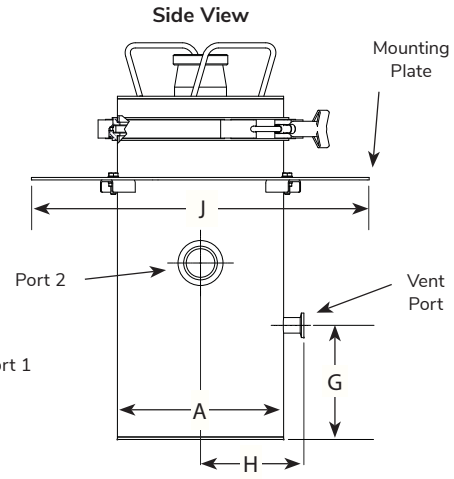
0.8 LITER TRAP ONLY



ALL OTHER LN2 TRAPS





Model VSCI LN_2 Cold Traps: ISO-QF (KF, NW) Connection

Part Number	Reference Number	Flange Connection	Vol (L)	A	B	C	D	E	F	G	H	I	J
7500404	VSCI-800-QF16	QF16	0.8	4.00	10.0	5.50	2.75	5.50	2.75	N/A	N/A	N/A	N/A
7500405	VSCI-800-QF25	QF25	0.8	4.00	10.0	5.50	2.75	5.50	2.75	N/A	N/A	N/A	N/A
7500406	VSCI-800-QF40	QF40	0.8	4.00	10.0	5.50	2.75	5.50	2.75	N/A	N/A	N/A	N/A
7500411	VSCI-1000-QF25	QF25	1.0	4.00	14.5	2.50	2.75	7.50	2.75	5.00	2.98	10.2	7.0
7500412	VSCI-1000-QF40	QF40	1.0	4.00	14.5	2.50	2.75	7.50	2.75	5.00	2.98	10.2	7.0
7500425	VSCI-2000-QF25	QF25	2.0	6.00	15.5	2.50	4.25	8.50	4.25	5.50	3.98	11.4	10.0
7500426	VSCI-2000-QF40	QF40	2.0	6.00	15.5	2.50	4.25	8.50	4.25	5.50	3.98	11.4	10.0
7500427	VSCI-2000-QF50	QF50	2.0	6.00	15.5	2.50	4.25	8.50	4.25	5.50	3.98	11.4	10.0
7500431	VSCI-5000-QF25	QF25	5.0	8.00	16.5	2.50	5.25	8.50	5.25	5.50	4.98	12.5	12.0
7500432	VSCI-5000-QF40	QF40	5.0	8.00	16.5	2.50	5.25	8.50	5.25	5.50	4.98	12.5	12.0
7500433	VSCI-5000-QF50	QF50	5.0	8.00	16.5	2.50	5.25	8.50	5.25	5.50	4.98	12.5	12.0

LN_2 Replacement Parts

Part Number	Reference Number	Description
7510450	VSC-800-D	DEWAR KIT FOR 0.8 LITER - INCLUDES DEWAR AND PLUG
7510451	VSC-1000-D	DEWAR KIT FOR 1.0 LITER - INCLUDES DEWAR AND PLUG
7510452	VSC-2000-D	DEWAR KIT FOR 2.0 LITER - INCLUDES DEWAR AND PLUG
7510453	VSC-5000-D	DEWAR KIT FOR 5.0 LITER - INCLUDES DEWAR AND PLUG
7510475	VSC-DPK-S	DEWAR PLUG KIT FOR 0.8, 1.0, 2.0 LITER
7510476	VSC-DPK-L	DEWAR PLUG KIT FOR 5.0 LITER