

# Accessories



## LARGE NITROGEN SUPPLY CONTAINERS

### Liquid Cylinders

Low pressure cylinders are used to supply and store liquefied gases with capacities of 180-265 liters.

### MicroBulk Cylinders

Secure, on-site storage of cold liquid product.

Available in: 1000, 1500, 2000, 3000 liters.



## TRANSFER HOSES

Standard transfer hoses are constructed of flexible stainless steel suitable for the transfer of cryogenic fluids and are available in 4 ft. (1.2 m) or 6 ft. (1.8 m) lengths. Hoses are fitted with a 3/8 in. NPT male fitting and a CGA295 female fitting, or a CGA295/CGA295 female fitting. Vacuum-jacketed hoses are also available.

4' (1.2m) - CGA295 x 3/8" MNPT P/N 367112

6' (1.8m) - CGA295 x 3/8" MNPT P/N 367111

6' (1.8m) - CGA295 x CGA295 P/N 367720

4' (1.2m) - VJ Super Flex, 1/2" Swivel both ends, P/N 367882

6' (1.8m) - VJ Super Flex, 1/2" Swivel both ends, P/N 367883

10' (3.0m) - VJ Super Flex, 1/2" Swivel both ends, P/N 367884



## CRYOGENIC PHASE SEPARATORS

Designed to minimize hazardous splashing, phase separators are available in three different sizes to accommodate transferring liquids into various open containers. The two larger phase separators are designed to fit the 3/8" MNPT end of the transfer hoses.

2 3/4" (69.9 mm) x 1 3/8" (34.9 mm) OD, 3/8" FNPT P/N 367076

1 1/4" (31.8 mm) x 1" (25.4 mm) OD, 3/8" FNPT P/N 367077

1 1/2" (38.1 mm) x 1/2" (12.5 mm) OD, 1/8" FNPT P/N 367078

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## CRYO-SENTRY LOW LEVEL ALARM

Providing security for valuable biological samples, the low level alarm will provide a visual alarm, an audible alarm and a relay output when the liquid nitrogen in the vessel needs to be replenished. The alarm offers an optional remote alarm plug, which can be attached to a dialer or monitoring system to advise of an alarm when the lab is unattended. Recommended for stored product protection. Operates using global 9VDC Wall Transformer or AA batteries. For use with XT20, XT34, HC20, HC34, HC35, VHC35, VHC38, LS750, LS3000, LS4800, LS6000, AI21 and TORO vessels.



## ROLLER BASE & TIPPING STAND

The sturdy aluminum, five caster roller base enables movement of refrigerators and dewars easily and safely. Choose from three sizes to fit either the 15.6 in. (396 mm) dia., 18.8 in (478 mm) dia., or the 26.7 in (678 mm) dia. units. The tipping stand for the LD25 provides mobility and assists in transferring liquid nitrogen. Both include lockable casters.



## LIQUID WITHDRAWAL DEVICE

The Liquid Withdrawal Device enables the LD25, LD35 and the LD50 to conveniently pressure-transfer liquid nitrogen at rates up to 8 liters per minute. The low pressure (7 psig/0.5 bar) assures safe dispensing through a phase separator or an accessory transfer hose. Model 80 phase separator comes standard with this device. P/N 369383.

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## DIPPERS & MEASURING RODS

Safe and convenient LN2 dipper available. Dipper capacity of 0.7 cubic inches (12 cc). The low conducting measuring rod will clearly show the LN2 level of a dewar in inches and centimeters.

Dipper

Measuring Rod (36") Measuring Rod (48")

P/N 366744 P/N 366784 P/N 367656



## ALSO AVAILABLE

- Replacement Canisters and Neck Tube cores
- Racks and Boxes



(612) 384-1542 | [sales@Kryeros.com](mailto:sales@Kryeros.com)

[www.Kryeros.com](http://www.Kryeros.com)

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