



Vaporizer Hose Kit (VHK)

SPECIFICATION

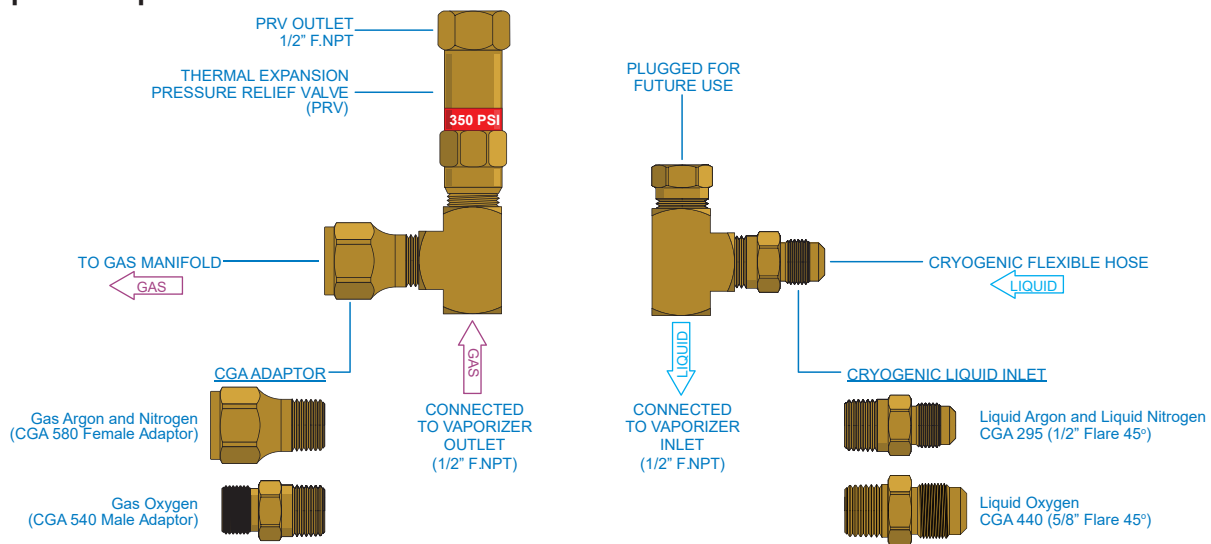
The BeaconMedaes vaporizer hose kits (VHK) are designed to link cryogenic liquid cylinders (liquid withdraw) to a pressure reducing device such as a gas manifold (gas withdraw) via an ambient vaporizer. Cryogenic liquid is withdrawn from the liquid cylinder and brought to the ambient vaporizer via a cryogenic hose. The cryogenic liquid is then vaporized (turned into gas) in the ambient vaporizer. The gas comes out from the ambient vaporizer within 20 degrees Farenheit of the surrounding ambient temperature.

The inlet tee is mounted with one (1) or two (2) fittings that correspond to either liquid argon/ liquid nitrogen or to liquid oxygen thus preventing cross connection between two (2) different liquids.

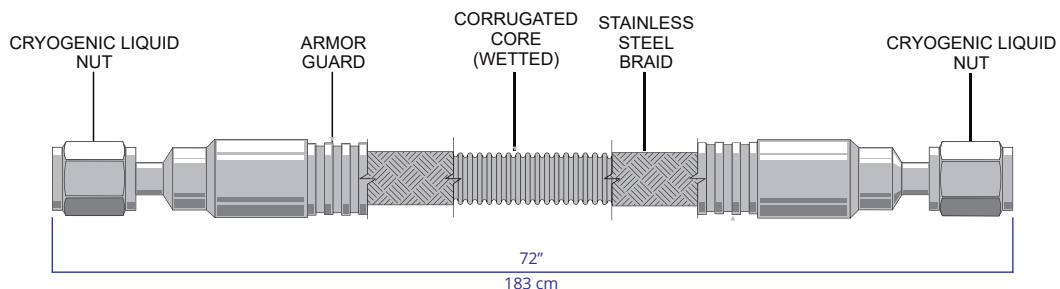
Similarly, the outlet tee is mounted with gas connection corresponding to either an inert gas (nitrogen or argon) or to oxygen, once again to prevent cross connection.

The thermal expansion pressure relief valve prevents excessive pressure buildup inside the ambient vaporizer.

Description - Vaporizer Hose Kit

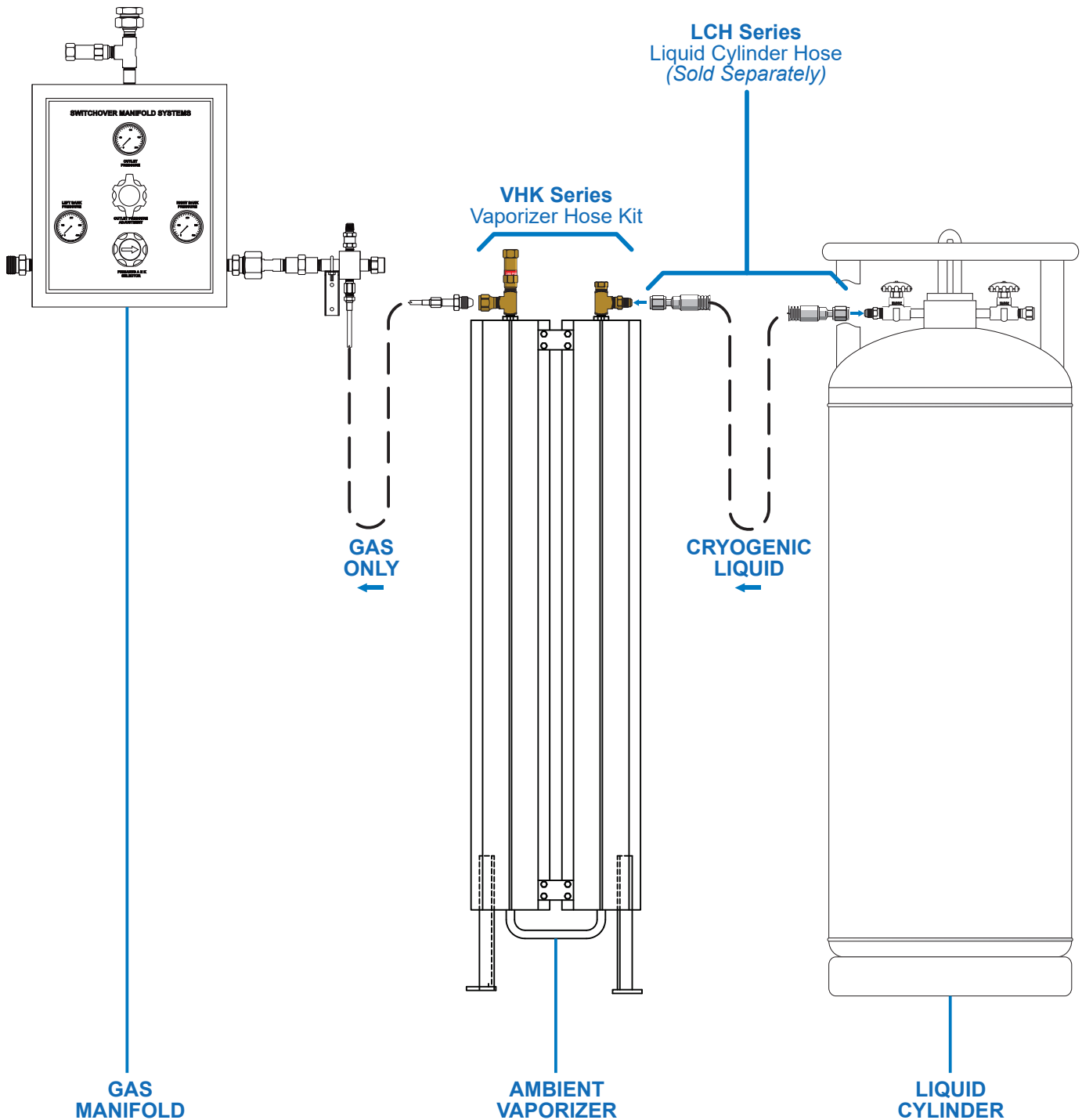


Liquid Cylinder Hose (Sold separately)



CRYOGENIC FLEXIBLE HOSE

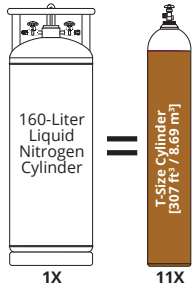
How to use it



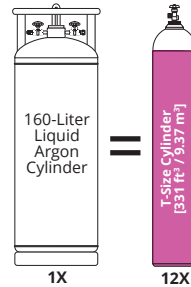
The VHK Series is made to use within a cryogenic liquid to gas system. Items shown are each sold separately.

Thermal expansion of cryogenic liquids
Liquid Nitrogen to Gas Nitrogen

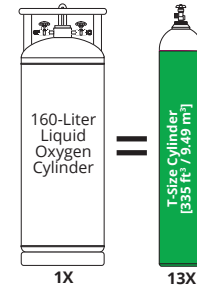
1 cu.ft. of liquid = 704 cu.ft. of gas


Liquid Argon to Gas Argon

1 cu.ft. of liquid = 848 cu.ft. of gas


Liquid Oxygen to Gas Oxygen

1 cu.ft. of liquid = 868 cu.ft. of gas


Ordering information


BeaconMedaes VHK Series Model Number Matrix			
Variable	Definition	Allowable Value	Description
A	Standards	CGA BS DIN NEN	CGA - United States BS - Great Britain DIN - Germany NEN - Netherlands
B	Fluid Service	295A 295N 440	Liquid Argon Liquid Nitrogen Liquid Oxygen
C	Material	B SS	Brass Stainless Steel
D	Number of Liquid Cylinders	1 2	One (1) Liquid Cylinder Two (2) Liquid Cylinders
E	Liquid Cylinder Pressure	350	350 PSI Other: Please specify
F	Option	CFOS	Cleaned for Oxygen Service

Example: VENT HOSE KIT FOR ONE LIQUID NITROGEN CYLINDER EQUIPPED WITH A 350 PSI PRESSURE RELIEF VALVE. THE END USER IS LOCATED IN THE UNITED STATES. THE APPLICATION REQUIRES THE COMPONENTS TO BE VERY CLEAN.

Example Model Number: VHK-295N-B-1-350-CGA-CFOS