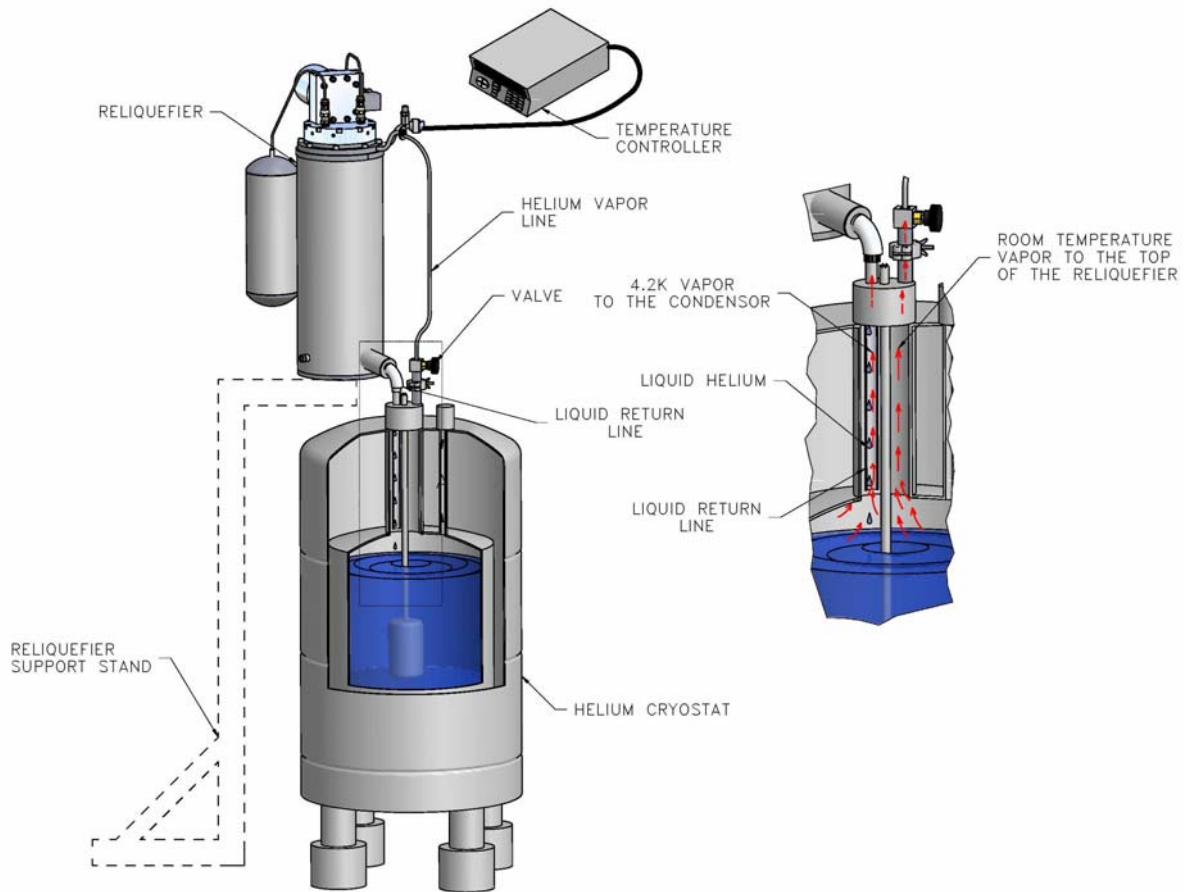


CRYOMECH

PT410 Helium Reliquefier



Cryomech's Helium Reliquefier is designed to re-condense and re-liquefy boil off from Liquid Helium Cryostats and return liquid helium to the cryostat.

Liquid Helium Production:

- Liquefy ≥ 10 liters/day of helium from room temperature gas
- Re-liquefy and re-condense ≥ 18 liters/day of helium from a cryostat

Features:

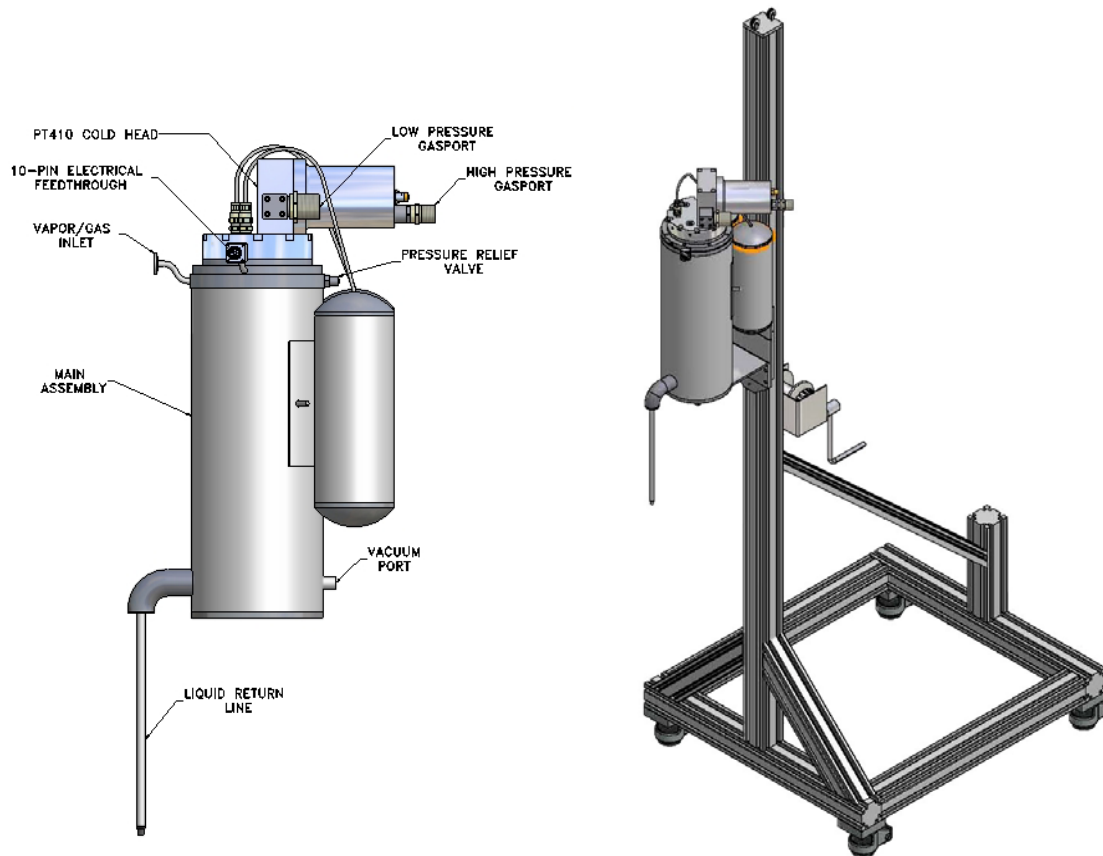
- Powered by the PT410 Pulse Tube Cryocooler
- Less than 4 hours between start up and liquid helium production
- High reliability with long mean times between maintenance
- Innovative, highly efficient design (**patent pending**)
- Shipped assembled for ease of installation
- Consumes 7.5 kW of input power

Helium Reliquefier Warranty: 3 Years or 12,000 hours (whichever comes first) on parts and materials

CRYOMECH 113 Falso Drive, Syracuse, New York 13211 USA
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CRYOMECH

PT410 Helium Reliquefier



Installation:

Liquid helium return line connection

Temperature controller connection

Mounting Interface

Weight (with PT410 cold head)

Dimensions

Support Stand

Standard: 1/2" (12.7 mm) or 3/8" (9.5mm) sealing gland

Custom: Matched to fill port of user's cryostat

10-Pin electrical feed through

8 x 5/16-18 UNC - 2B ξ .335"

*See PT410 Reliquefier drawing (bottom view)

75 lb (34 kg)

See PT410 Reliquefier drawing

Optional

Shipping crate:

Wood box

Crate 1 (Reliquefier):

Weight

Dimensions - L x W x H

260 lbs (118 kg)

69 x 43 x 36 in (175 x 109 x 91 cm)

Crate 2 (Compressor)

Weight

Dimensions - L x W x H

505 lbs (229 kg)

48 x 40 x 38 in (122 x 102 x 97 cm)

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