

NexGen Liquefiers & Recovery Systems

Automated 160 and 250 Liter Capacity Helium Liquefiers

Quantum Design's NexGen Liquefiers and innovative Helium Recovery, Storage & Purification Systems allow you to recover the helium gas currently being lost from the normal boil off and helium transfers of your **NMR** and other cryogenic instruments.

NexGen Liquefiers Provide:

- Easy-to-Use, Fully Automated Operation
- Portable Liquefiers for Easy Transfers
- New 250 Liter Capacity for Larger Transfers
- High Liquefaction Rates at 1 PSIG, so Helium is Ready When You Need It
- Self-Cleaning, Uninterrupted Service
- Software with Intuitive User Interface for Easier Operation
- Modular Design: Your System Can Grow as Your Helium Needs Evolve

NexGen 250

Dewar Capacity: 250 liters

Liquefaction Rate: 25+ liters/day (typical)*

NexGen 160

Dewar Capacity: 160 liters

Liquefaction Rate: 25+ liters/day (typical)*

NexGen 160XL

Dewar Capacity: 160 liters

Liquefaction Rate: 30+ liters/day (typical)*



NexGen 250

*Liquefaction rates vary based on input helium quality and pressure

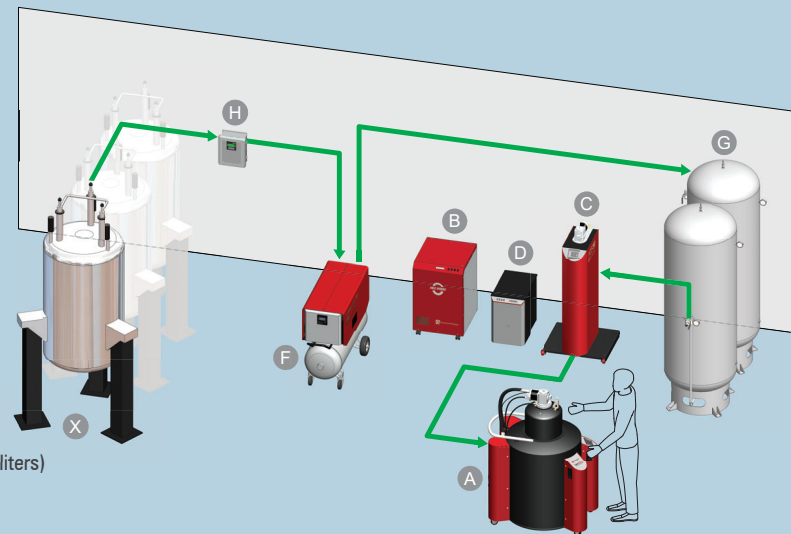
Liquefier Recovery Systems for **NMR** Labs

Medium Pressure Recovery System Components

Recovery System with Medium Pressure Storage:
Recover, Store and Purify Helium from Normal and Transfer Boil Off
Perfect for 1 - 3 Cryogenic Instruments

MPR

- A – Liquefier
- B – Compressor
- C – ATP30 Purifier
- D – Compressor for ATP30 Purifier
- F – AT Recovery Hub - MP
- G – Medium Pressure Storage Tank (1000 liters)
- H – Back Pressure Controller
- X – Customer Instrument

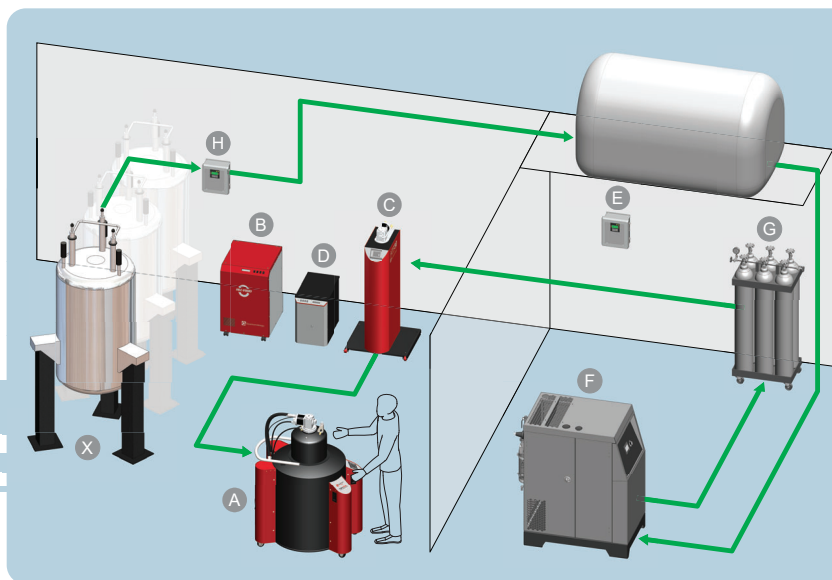


HPR

High Pressure Recovery System Components

Recovery System with High Pressure Storage:
Recover, Store and Purify Helium from Normal and Transfer Boil Off
Perfect for Multiple Instruments and Large Laboratories

- A – Liquefier
- B – Compressor
- C – ATP30 Purifier
- D – Compressor for ATP30 Purifier
- E – Helium Gas Bag and Controller
- F – High Pressure Recovery Compressor
- G – High Pressure Helium Gas Cylinders
- H – Back Pressure Controller
- X – Customer Instrument



Developed In Collaboration With:

