

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 **MEG** and other cryogenic instruments.

NexGen Liquefiers Provide:

- Easy-to-Use, Fully Automated Operation
- Portable Liquefiers for Easy 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
- New 250 Liter Capacity for Larger Transfers
- Modular Design: Your System Can Grow as Your Helium Needs Evolve

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

Dewar Capacity: 250 liters

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

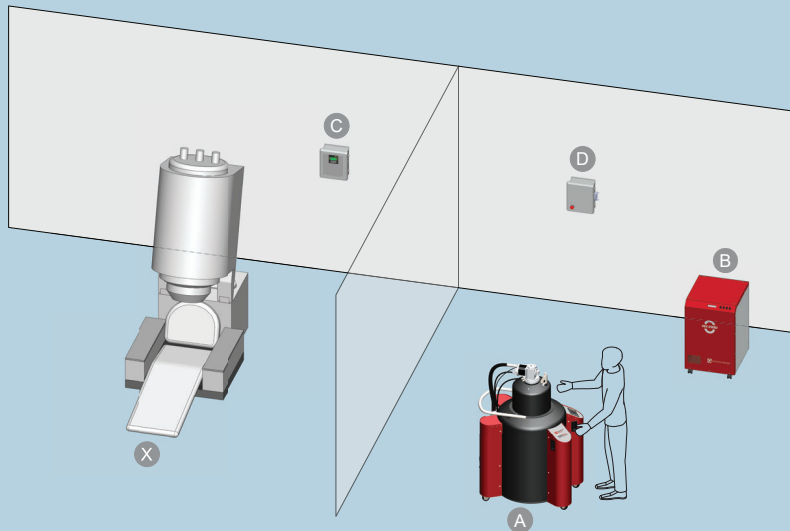
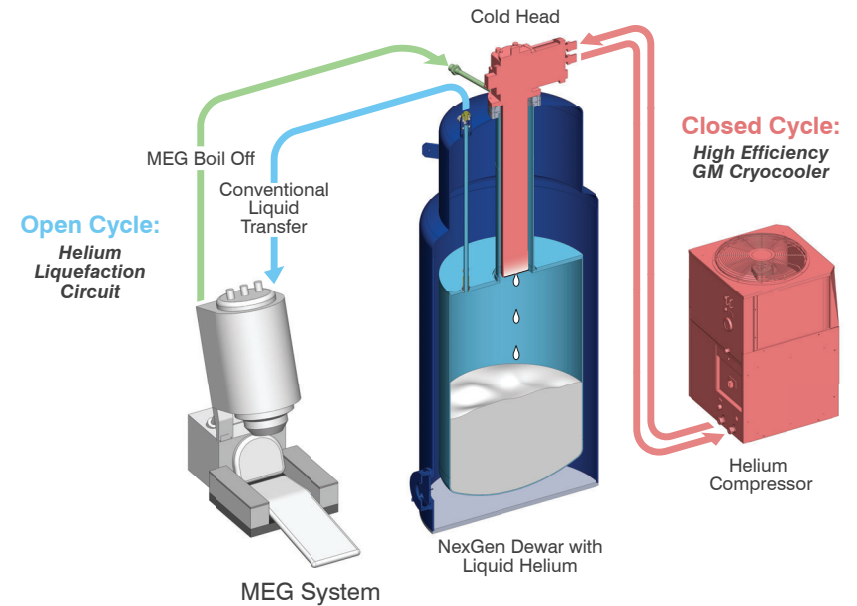
*Liquefaction rates vary based on input helium quality and pressure



NexGen 160

Direct Recovery - MEG

- An MEG consumes liquid helium at a low rate, but reliability of helium supply is crucial
- Serious space limitations of most MEG centers necessitates a compact liquefier solution
- Advanced automated features and high energy efficiency of NexGen liquefiers are an ideal complement for modern MEG systems
- Designed for general users – Requires minimal training and is easily operated by MEG technicians
- Quantum Design recovery systems already have been successfully installed in many MEG centers
- Quantum Design's global service network guarantees prompt technical support and onsite response when needed



NexGen Recovery Systems can be customized for all MEG Centers

Direct Recovery (DR)

- A – Liquefier
- B – Compressor
- C – Back Pressure Controller
- D – Power Distribution Unit
- X – Customer MEG

Center with single or multiple MEGs
Provides up to 15 liters/day in Direct Recovery mode
Recover 100% normal boil off; Transfer boil off augmented with external Helium gas cylinders through *dual gas inputs*