

COMPRESSOR HC 70



The Genesis HC 70 compressor is the most powerful compressor available, offering an ideal solution for multiple pump applications. The HC 70 is designed to supply compressed helium for as many as three ICP cryopumps up to 10" (250mm) or up to four 6" (100mm) pumps.

Cost-Effective, High-Power Solution

The HC 70 compressor is a closed-loop system that supplies high-purity helium to cryo refrigerators and cryopumps.

The compressor features include:

- A water-cooled oil-lubricated compressor
- A two-stage filtering system that removes oil aerosol from the high-pressure helium stream
- An interlock system to prevent damage to the compressor
- A power supply to run the compressor and expander
- LED displays on the front and rear panels that provide operational and alarm information



The compressor capsule is built around a high-performance scroll compressor, providing simultaneous suction, compression and discharge. This significantly extends durability and life while reducing vibration, noise, maintenance and operating cost. A water-cooled heat exchanger provides the cooling capacity to remove up to a 6.0 KW heat load.

This highly reliable compressor has the power and capability to drive three to four pumps, while requiring only an estimated 3 years between maintenance intervals. Smaller than comparable models on the market, the HC 70 compressor utilizes very little floor space and is very cost effective for an application where multiple pumps are used.

