

QHHPC-XX – High Pressure Helium Compressor Series 5.0/7.5/10/15/20 HP



Quantum Helium HP Compressor

Features:

- High pressure Helium Recovery Compressor to take the full flow of recovered gas.
- High-purity recovery with room temperature purification.
- Ideal for high-purity recovery.
- Different sizes to fit production needs.
- Fully automated and operates with no/minimal monitoring.
- Ideal for QuantumPure HP Recovery, Purification and Liquefaction System
- Easy to install, small floor footprint
- 3-phase power, specifications of local power to be provided with order.

Technical Parameters (example only, we provide a wider variety of products)

	QHHPC-5.0	QHHPC -7.5	QHHPC -10	QHHPC -20	QHHPC -20
Power Consumption (HP)	5	7.5	10	15	20
Flowrate (cfm)	5.8	10.8	14	17	24
Dimensions (WxLxH, inches)	43 x 20 x 22	22 x 30 x 53	29 x 34 x 56	29 x 34 x 56	29 x 34 x 56
Weight (lbs)	320	355	495	510	540
Noise Level (dB)	<72	<72	<72	<72	<72

All models have advanced filtration for gas purification.

When ordering, please specify power frequency (50/60Hz) and voltage (208/400/480). Model number is: QHHPC-5.0/7.5/10/15/20-50/60-208/400/480.

Standard Scope of Supply for Quantum HP compressors (specific model may vary)

- Multi-stage, air-cooled piston compressor
- Air-cooled system
- Electric motor drive
- Automatic start-stop control
- Automatic control of the valves
- Monitoring of the sensors
- Emergency stop pushbutton
- Automatic condensate drain system with condensate collector
- PLC-based control system
- Full-voltage motor starter
- Operator keypad for start, stop, reset
- Backlit LCD display
- Low/High inlet pressure switch with gauge
- High temperature switch
- Final pressure switch
- Hour meter
- Coalescing separator at outlet
- Sound attenuating enclosure
- Warranty: 1 year
- **Inlet** connection: 1 inch female National Pipe Thread 2 meter long flexible non-collapsing inlet hose supplied. Inlet filter supplied. Inlet overpressure relief supplied. Inlet pressure range: atmospheric +/- 20% ie: -20kPa to +20kPa or -3psig to +3psig.
- **Outlet** connection: -4 JIC (37.5 degree fitting) Mating fittings provided to 1/4 inch National Pipe Thread. 2 meter long flexible high pressure hose supplied.
- **Electrical**: 3 phase voltage and frequency to be specified by customer when ordering. 2 meter long electrical power cord supplied with system.
- **Remote** on/off: A remote dry contact (switch or relay contact) rated for 24V 0.1A can switch on the compressor Remote connection: a 2 meter long shielded control cable is supplied with the system.

OPTION:

Q-09.4-HRP-NLD: No-Loss Drain for High Pressure Compressor

- No loss drain option. This option provides a closed loop inter-stage drain system so that gas normally lost when the compressor is switched off is returned to inlet and is recovered.