

Accuchiller

NQV Series



Variable speed compressor to significantly reduce energy costs



Intuitive PLC control with a user-friendly text display



Proven reliability for low maintenance and high efficiency

PORTABLE & PACKAGED INDUSTRIAL CHILLERS

5 to 30 tons (18 to 106 kW)

The Accuchiller NQ Series, known for its exceptional performance, now offers an optional variable-speed compressor upgrade - the NQV Series. This innovative feature significantly reduces energy costs by precisely adjusting cooling output to meet real-time demand.

Chillers often operate below their full capacity, which reduces energy efficiency. Traditional fixed-speed compressors rely on hot gas bypass valves to simulate a full load, leading to inefficiencies at part-load conditions. The NQV Series, with its variable-speed scroll compressors, provides a more efficient solution by adjusting the speed to match the actual cooling demand. Combined with a user-friendly premium PLC control system, it ensures optimal performance and lower operating costs.

NQV Series chillers are available in air cooled or water cooled options. Each model is packed with innovative features that optimize performance and reliability. These features include scroll compressors, microchannel condensers, stainless steel brazed plate evaporators, and low-noise ensure smooth operation and energy savings.

Direct Drive Scroll Compressors

Hermetically sealed scroll compressors with proven performance in industrial cooling for reliable, low maintenance, and efficient operation.

Stainless Steel Evaporators

High efficiency stainless steel plates with copper brazing provide maximum performance, long life and an enhanced level of protection from harsh process conditions.

Stainless Steel Pump

Selected for peak performance with the utmost in corrosion protection to ensure a long useful life under severe industrial conditions.

Nonferrous Reservoir and Water Lines

Insulated reservoir, fluid lines, pumps, and other components in the process fluid circuit will remain free of rust for maximum corrosion protection.

Evaporator Inlet Strainer

Removes any debris present in the process fluid to prevent costly downtime and repair due to a clogged chiller evaporator.

Easy Access Cabinet

Heavy-gauge machine access doors with industrial grade tools-free latches provide quick access to all components for easy operation and maintenance.

Compressor Protection Technology

Uses start-to-start anti-recycle control logic to limit cycling under low-load operating conditions to extend compressor life.

Premium Control Panel

Available C-UL 508A industrial control panel with high-quality components that are safe and built to last.

7-inch Color Touch Screen Display

Controls, monitors and maintains stable and reliable chiller operation.

Compressor and Pump Run Hour Displays

Monitor compressor and pump running hours to assist with scheduling maintenance.

Power Monitor

Protects the chiller from extensive damage to the compressor and pump due to loss of phase or phase reversal in the main supply.

Reservoir Low Level Alarm

Indicates a low process fluid condition and protects the process pump and chiller from damage caused by a critically low operating level in the reservoir.

Master Reset

Quick and easy way to reset and restore the control system to factory default settings if a control parameter is mistakenly changed.

High-Quality 24 VDC Power Supply

The 24-volt DC power supply ensures dependable control circuit power and isolates the control circuit from static interference to ensure stable and precise operation.

Warranty

18 months parts on entire unit; 12 months labor.

