

FRIGA-BOHN®

PEG

Chilled water production

HFC



Chilled water production range for **installation in machine rooms.**



PEG 300 ... 760

||||| 290 - 780 kW

Glycol water -4 °C/-8 °C - Condensing temperature: +45°C

||||| 280 - 690 kW

Glycol water -5 °C/-9 °C - Condensing temperature: +45°C

Description

- # Hot dip galvanized UPN monoblock.
- # 1, 2 or 3 separate refrigerating circuits.
- # Power regulation up to three stages: 100%/75%/50%.
- # Delivery valve per circuit.
- # Vertical liquid receiver per circuit:
liquid stations delivered on separate frame.
- # Multitube heat exchanger (copper bundle tube and steel grille).
- # Electronic expansion valves with controller, probes, sensors and solenoid valve.
- # Screw compressors (HSK or CSH).
- # Screw compressors with plate heat exchanger-economizer
- # Stainless steel condensate tank under compressor
- # Full insulation, heat exchanger and manifold on suction side
- # Electronic expansion valve with complete regulation
- # Pre-wiring box
- # Multitube or plate desuperheater per circuit

Advantages

- # The design of the rack is optimized to facilitate access to the components: compressors, plate heat exchanger, desuperheater, bypass valves, etc.
- # The bypass valves are mounted to isolate the circuit and simplify operations during maintenance work on the receiver, the heat exchanger, etc.
- # A condensate drain pan is available under each compressor as standard to keep the machine room clean.



PEG 170 ... 320

||||| 170 - 320 kW

Glycol water -4 °C/-8 °C - Condensing temperature: +45°C

||||| 180 - 330 kW

Glycol water -5 °C/-9 °C - Condensing temperature: +45°C

Description

- # Hot dip galvanized UPN monoblock.
- # 1 or 2 separate refrigerating circuits.
- # Delivery valve per circuit.
- # Vertical liquid receiver per circuit:
liquid stations delivered on separate frame or fitted.
- # Multitube heat exchanger (copper bundle tube and steel grille).
- # 2 electronic expansion valves with controller, probes, sensors and solenoid valve.
- # Semi-hermetic reciprocating: 3, 4 or 5 compressors.
- # Screw compressors with plate heat exchanger-economizer
- # Full insulation, heat exchanger and manifold on suction side (optional)
- # Electronic expansion valve with complete regulation
- # Liquid receiver fitted
- # Power + control pre-wiring (on request)
- # Complete hydraulic equipment

Advantages

- # The design of the rack is optimized to facilitate access to the components: compressors, plate heat exchanger, desuperheater, bypass valves, etc.
- # The bypass valves are mounted to isolate the circuit and simplify operations during maintenance work on the receiver, the heat exchanger, etc.
- # A condensate drain pan is available under each compressor as standard to keep the machine room clean.

Encased chiller ranges for **outdoor installation**.



PEG ENCASED OUTDOOR

Water system

Glycol water (MEG/MPG) -4 °C/-8 °C and -5 °C/-9 °C

Description

- # Casing made from pre-painted sheet metal with panels that can be removed by turn latches, 6-sided noise insulation with cooling system connected to the rack available on request
- # Galvanized UPN frame with handling rings
- # Multitube heat exchanger with 2 refrigeration circuits
- # Full insulation, heat exchanger and manifold on suction side
- # Liquid subcooler heat exchanger for screw compressor
- # Electronic expansion valve with complete regulation
- # Electrical cabinet fitted
- # Complete hydraulic circuit and equipment (optional)

Advantages

- # Designed for outdoor installation on the ground or on a roof
- # Easy installation, the lifting rings attached to the base of the frame make handling easier
- # These encased units and their noise insulation casing are easy to integrate into an urban environment (on request)
- # Alternative to cramped machine rooms.

