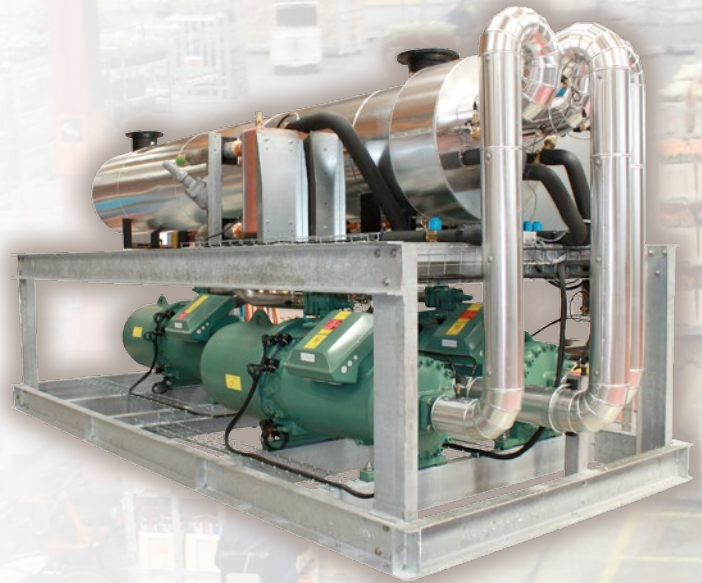


# Chiller



## Ice water production range PEG

- Chiller with 1, 2 or 3 circuits up to 780 kW.
- Primary fluids: R134a/MEG 35% or MPG - R404A.  
Secondary fluids: 35% MEG or MPG.
- Installation in the machine room.
- Independent refrigeration circuits with remote air or incorporated water condenser.
- Semi-hermetic piston, Scroll or semi-hermetic screw compressors.



## Encased outdoor ice water production range PEG / ECOLEAN / NEOSYS®



*Natural fluids:  
Glycol water  
Environment*



## Market segments



**FSM** Hard Discount - Supermarkets - Hypermarkets

**FCS** Refrigerated storage and transit stocking - Dispatch centres - Food processing - Canteen kitchens

## PEG 300 ... 760 range

Ice water production

### Refrigeration capacity

**290 to 780 kW** (glycol water -4°C/-8°C - +45°C condensation temperature)

**280 to 690 kW** (glycol water -5°C/-9°C - +45°C condensation temperature)

### Characteristics

- UPN hot-dip galvanized monoblock.
- 1, 2 or 3 separate refrigeration circuits.
- Capacity control up to 3 stages: 100% / 75% / 50%.
- One delivery valve per circuit.
- One vertical liquid receiver per circuit: liquid stations delivered on separate frames.
- Multi-tube heat-exchanger (copper tube bundle and rolled steel).
- Electronic expansion valves with regulator, probes, sensors and solenoid valves.
- Screw compressors (HSK or CSH).

## PEG 170 ... 320 range

Ice water production

### Refrigeration capacity

**170 to 320 kW** (glycol water -4°C/-8°C - +45°C condensation temperature)

**180 to 330 kW** (glycol water -3/-7°C - +45°C condensation temperature)

### Characteristics

- UPN hot-dip galvanized monoblock.
- 1 or 2 separate refrigeration circuits.
- One delivery valve per circuit.
- One vertical liquid receiver per circuit: liquid stations delivered on separate frames or fitted.
- Multi-tube heat-exchanger (copper tube bundle and rolled steel).
- 2 electronic expansion valves with regulator, probes, sensors and solenoid valves.
- Semi-hermetic piston: 3/4 or 5 compressors.

## Advantages

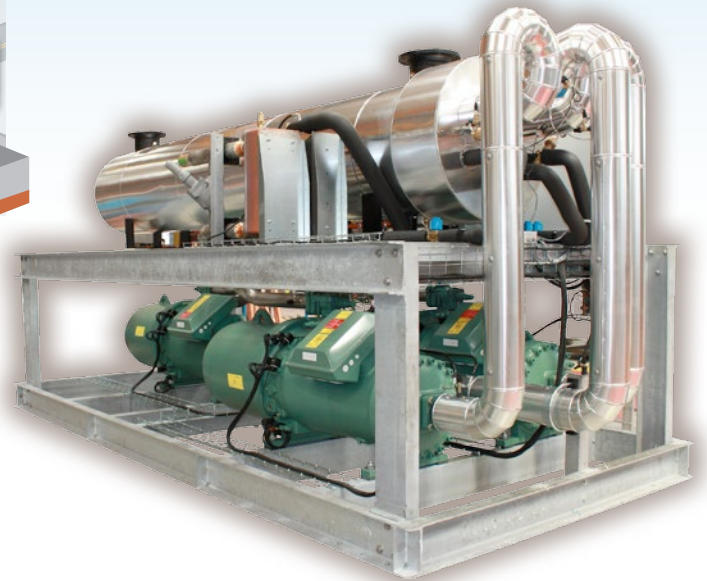
### Servicing / Maintenance

The rack design is optimized to offer easy access to all components: compressors, plate heat-exchanger, desuperheater, by-pass valve,...

The by-pass valves are used to isolate the circuit to simplify operations during maintenance on the receiver, heat-exchanger,...

A condensate drip tray is placed under each compressor as standard in order to keep the machine room clean.

## Examples of installations



- Screw compressors with energy-saving plate heat-exchanger.
- Stainless steel condensate drip tray under the compressor.
- Total isolation, heat-exchanger and suction collector.
- Electronic expansion valve with complete control.
- Pre-wired switching cabinet.
- **One multi-tube or plate desuperheater per circuit.**



- Screw compressors with energy-saving plate heat-exchanger.
- Total isolation of heat-exchanger and suction collector (option).
- Electronic expansion valve with complete control
- Liquid receiver fitted.
- Pre-wired power + control circuits (upon request).
- **Paint RAL 9002 (upon request).**
- **Complete hydraulic equipment.**

## Certifications



## Market segments



**FSM** Hard Discount - Supermarkets - Hypermarkets

**FCS** Refrigerated storage and transit stocking - Dispatch centres - Food processing - Canteen kitchens  
Conservation of fruits, vegetables, flowers... at an ambient temperature of +6°C/8°C.

## PEG encased, outdoor range

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

- Pre-painted sheet-metal casing with removable panels secured with a ¼-turn latches, noise insulation on 6 sides with a cooling system connected to a rack available upon request.
- UPN galvanized frame with lifting rings.
- Multi-tube heat-exchanger with 2 refrigeration circuits.
- Total isolation of the heat-exchanger and suction collector.
- Liquid sub-cooling exchanger for screw compressor.
- Electronic expansion valve with complete control.
- Switching enclosure fitted.
- Complete hydraulic equipment and circuit (option).

### Advantages

- Designed for outdoor floor or roof installation.
- Simple installation, the frame base lifting rings render handling operations easier.
- These encased units are ideal for use in an urban environment thanks to the noise-insulated casing (upon request).
- Alternative to narrow machine rooms.



## ECOLEAN / NEOSYS®

The ice water is produced with a compact, monoblock, liquid cooler with air condensation for discrete outdoor installation. This range is equipped with Scroll compressors filled with environmentally-friendly refrigerant R410A and variable-speed fans for optimized noise and energy efficiency.

### Cold only

#### Nominal conditions

Water: +2°C/-2°C - 20% MEG - Air: +35°C



15 kW

145 kW

780 kW



**ECOLEAN**  
10 to 120 kW



**NEOSYS®**  
120 to 630 kW

Switching enclosure with Butterfly™ door. Protection of components and persons in case of adverse weather conditions.

Multiple Compliant™ Scroll compressors, zero maintenance. Axial and radial clearance enabling the compressor tolerate liquid hammerhead and injection of debris for an extended working life.

Technical compartment. Compressors, water heat-exchangers, pumps, thermal and noise insulation materials, protected against outdoor weather conditions and water splashing during cleaning of coils.



OWLET™ fan with ceramic blades to considerably increase fan longevity.

High corrosion-resistant, aluminium micro-channel coils. -40% less refrigerant.

V-form coils with protection guards. Protection against hailstone and impact damage.



\*3-year warranty for key components

