

Packo



Packo Ice Builder (PIB)

The reliable solution for instant cooling with ice water



Insulated **removable lid** keeps ice water clean and offers easy access.

Packo Ice Control system: Integrated control panel, ice thickness control system and ice water level control. Control panel according to the EN60204.1.

Air injection system with maintenance free air blower for balanced ice melting.

Evaporator made from seamless tubes, mounted in a stainless steel frame. Tested at 20 bar and suitable for most common refrigerants (freon, glycol,...).

The equipment complies with the **2006/42/EC** machine directive.

Hygienic and high resistant AISI 304 **stainless steel construction**. Fully insulated with 50 mm injected high-grade polyurethane foam.

High performance **Packo stainless steel centrifugal ice water pump** with manual shut off valve. Depending on the model up to 6 pumps possible for simultaneous cooling of separate circuits.

Packo Eco-Cool Cooling unit series represents high efficient cooling with reduced energy consumption. It is equipped with an extra large air condenser, a double fan and a fine regulation system of the airflow. As a result, an optimal operation is guaranteed, even under extreme weather conditions.

Operates standard with ecological refrigerant R404A with zero ODP (Ozone Depletion Potential)

Configurations

Integrated Cooling Unit (ICU)

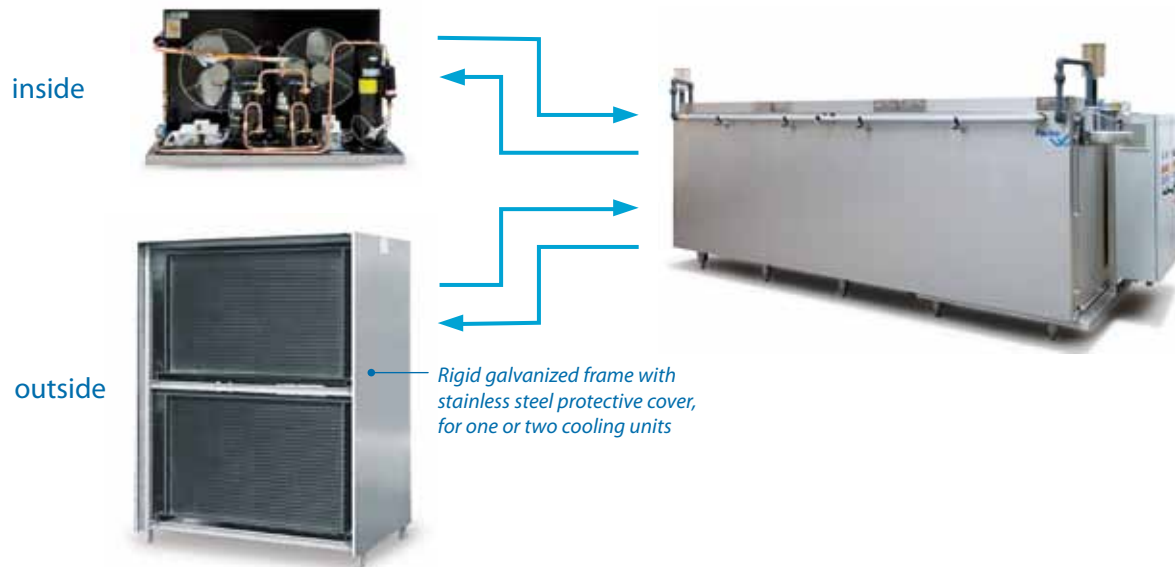


Cooling unit on top
(PIB8 – PIB13)

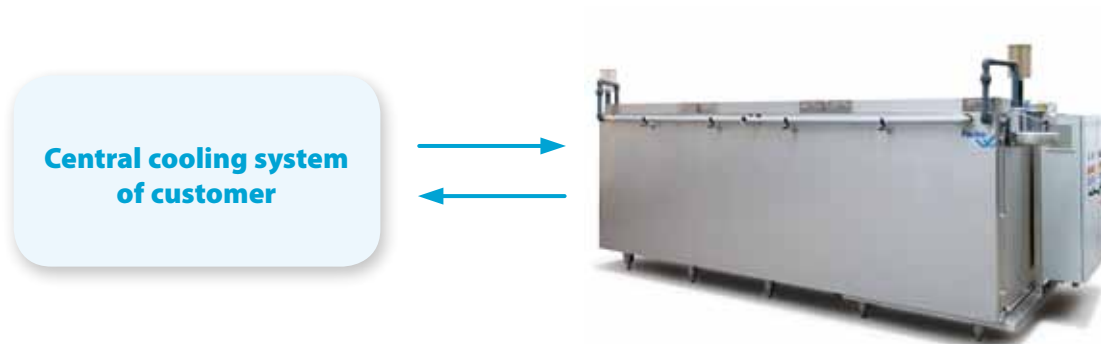


Cooling unit on side
(PIB25-PIB370)

Remote Cooling Unit (RCU)



Without Cooling Unit (WCU)



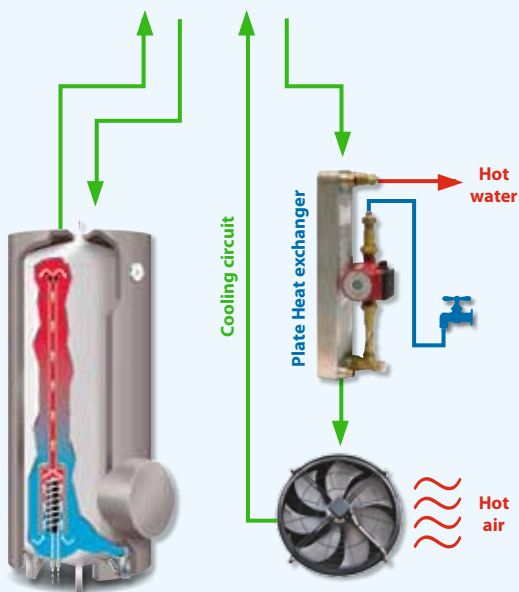
Applications

Examples

- Industrial kitchens: cooking kettles
- Industrial bakeries: pastry preparation, yeast distribution, ...
- Food industry: fruit juice, liquid eggs, ice cream, dairy, ...
- Industrial process cooling: autoclaves, mould cooling, ...
- Building and HVAC: high compact cold buffer systems and peak shaving



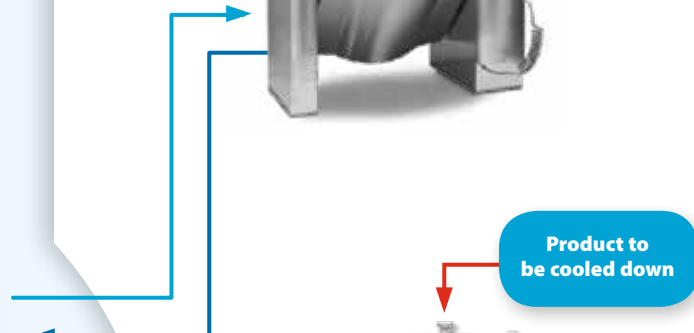
Cooling unit



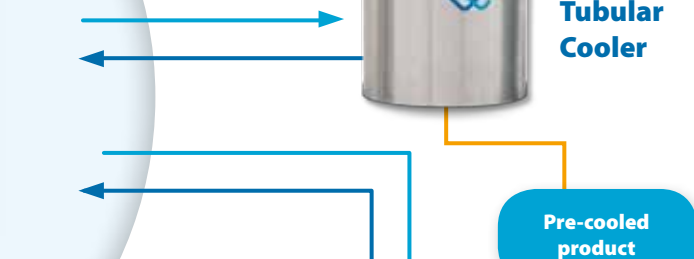
Optional: **Heat recovery** on cooling unit (remote or integrated)



Cooking kettle



Packo Tubular Cooler



Packo storage and cooling tank



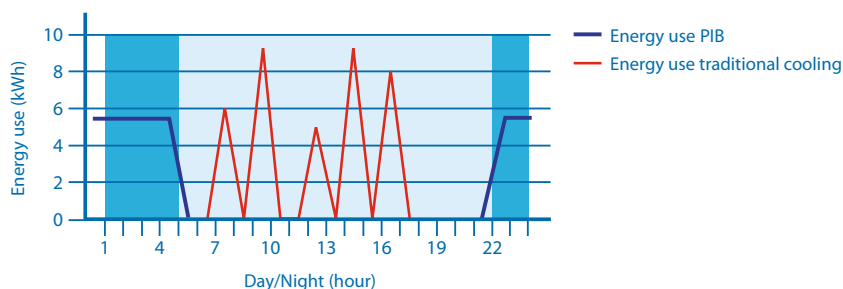
Product or tap water

Cooled product or tap water

Attached plate heat exchanger
Standard available in three sizes, completely insulated

Your benefits

- Large instant cooling capacity: ice is melted down at the moment of use
- Maximum cooling speed without risk of product freezing
- Energy saving:
 - Reduces peak demand and shifts energy consumption



- Closed circuit cooling
- State-of-the-art Packo Eco Cool technology
- When installing cooling units with heat recovery option, an important part of the extracted heat can be used for hot water preparation
- Solid industrial design for almost maintenance free operation
- Easy installation with “plug and play” ICU version

Specifications

Model	Storage capacity		Ice	Ice water	Weight	Length RCU/WCU	Length ICU	Width	Height
	kCal	kWh	kg	liter	kg	mm	mm	mm	mm
PIB-8	7 600	8	95	400	140	1 162	1 162	923	1 330
PIB-13	11 500	13	145	400	140	1 162	1 162	923	1 330
PIB-25	22 200	26	280	1 150	320	1 350	2 100	1 360	1 950
PIB-40	35 500	41	440	1 150	370	1 350	2 100	1 360	1 950
PIB-60	53 200	62	650	1 700	440	1 790	2 810	1 360	1 950
PIB-80	70 900	83	900	2 200	530	2 230	3 250	1 360	1 950
PIB-120	106 000	124	1 300	3 300	690	3 110	4 130	1 360	1 950
PIB-160	142 000	165	1 800	4 400	840	3 990	5 010	1 360	1 950
PIB-230	205 000	240	2 500	5 200	1 050	3 930	5 050	2 185	1 980
PIB-370	322 000	375	4 000	7 900	1 420	4 660	6 900	2 185	1 980

- Standard voltage: 3x 400 V / 50 Hz

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