



Dairy Cooling Solutions

A Division of Eurotec Limited

Packo



Packo Ice Builder (PIB)

The reliable solution for **instant cooling** with ice water



A member of the
Fullwood Packo Group

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.

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 .

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,..).



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)

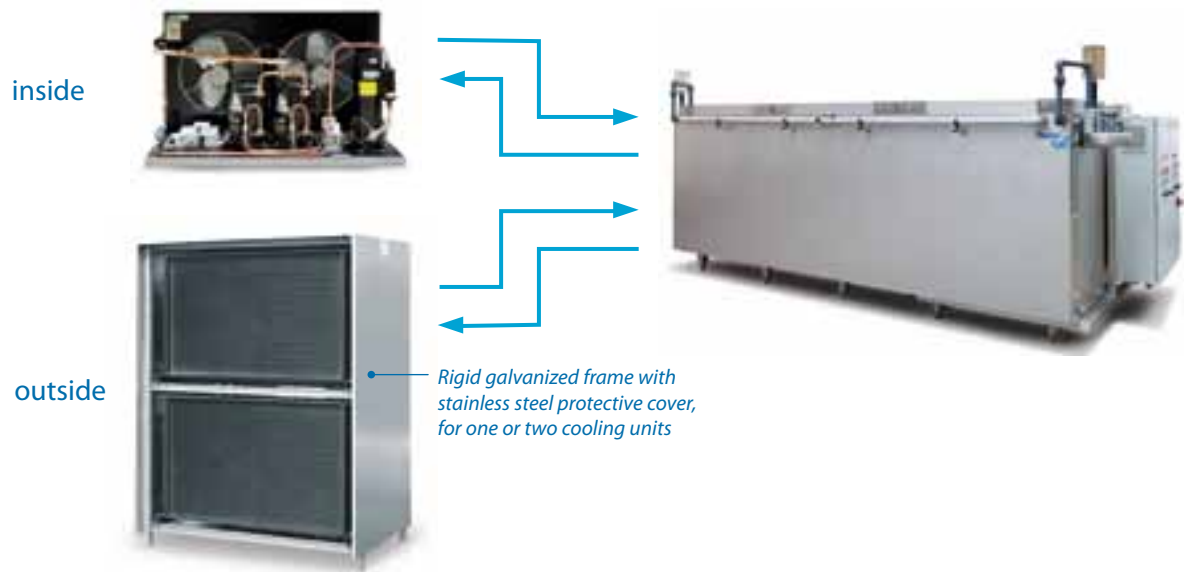


Cooling unit on top
(PIB8 – PIB13)

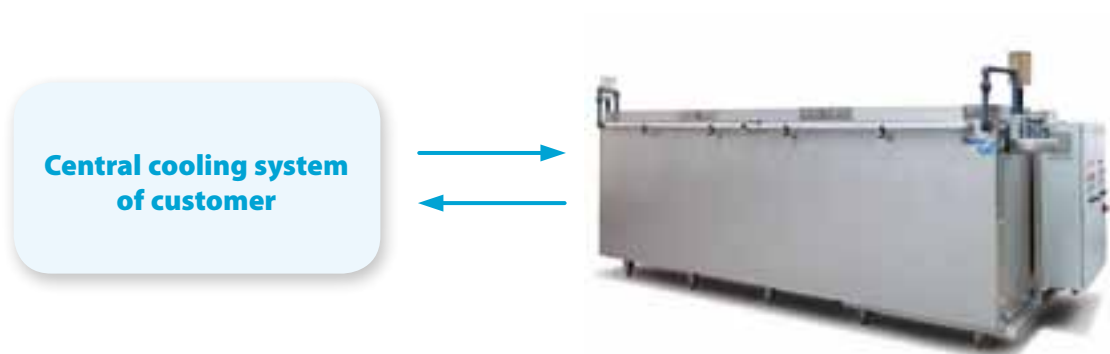


Cooling unit on side
(PIB25-PIB370)

Remote Cooling Unit (RCU)



Without Cooling Unit (WCU)



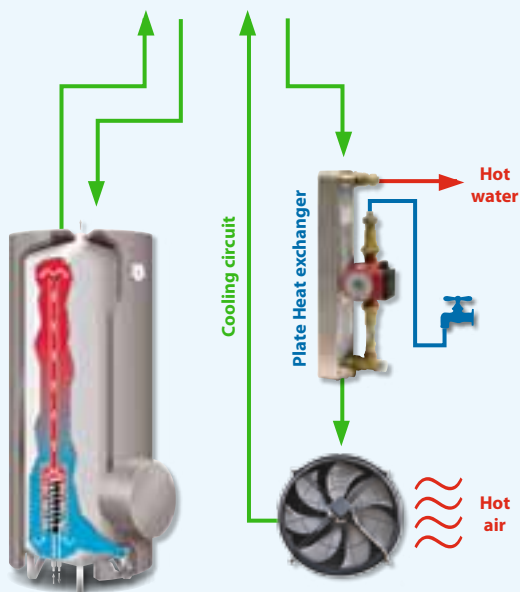
Applications

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



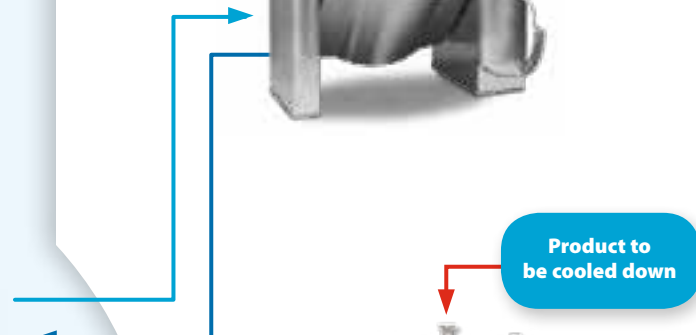
Cooling unit



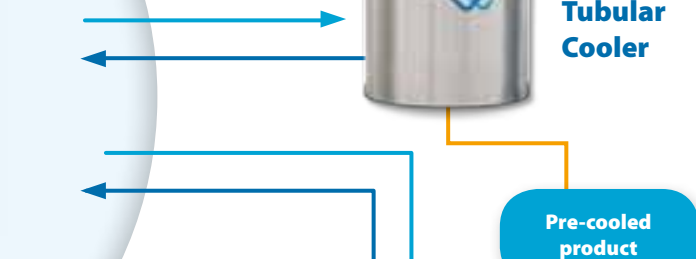
Optional: **Heat recovery** on cooling unit (remote or integrated)



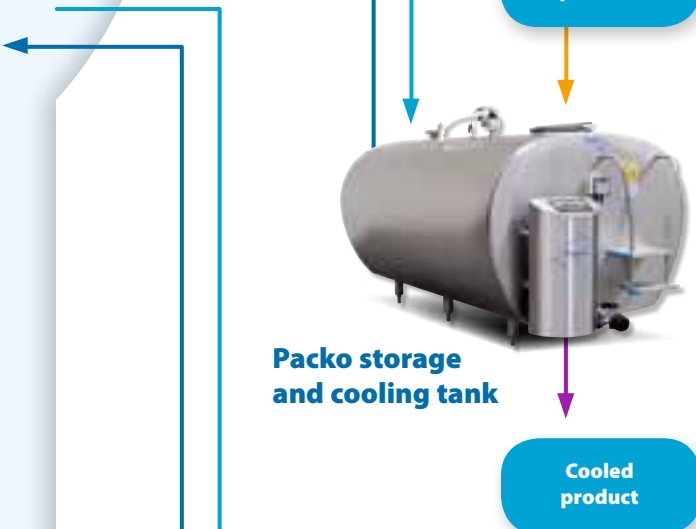
Cooking kettle



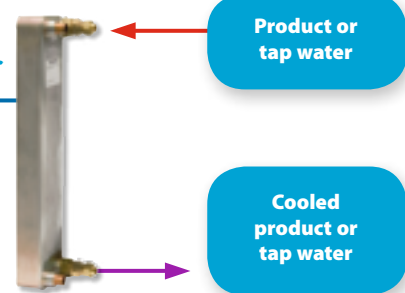
Packo Tubular Cooler



Packo storage and cooling tank



Cooled product



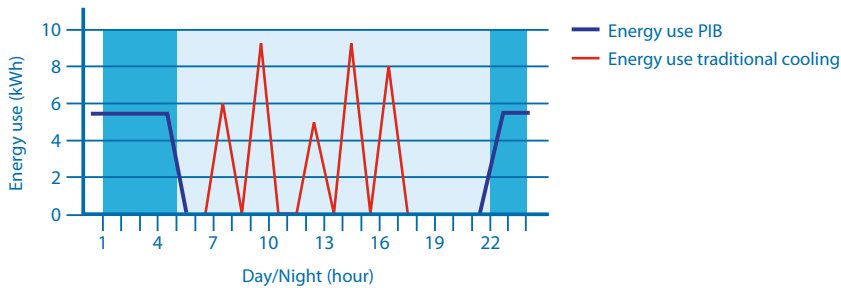
Attached plate heat exchanger
Standard available in three sizes, completely insulated

Product or tap water

Cooled product or tap water

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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