PACKO ICE BUILDER
PIB 230 - 370

Application

Ice water is used since many years for **cooling of food products and for process cooling in general** because ice water has the capacity to cool down large quantities of product in a short time. In an ice builder a **big amount of energy can be stored** on a small surface. This compact unit can produce **a large quantity of ice water of 0.5 à 1°C**. For several applications, **there is no risk of freezing the product.**

Construction

- Construction completely made in stainless steel 18/10 – AISI 304
- Insulated with polyurethane foam for an excellent insulation and extra strength of the tank
- The well dimensioned evaporator enables the storage of a large ice reserve, this guarantees a maximum cold transfer
- The evaporator is made of seamless copper tubes and mounted in a stainless steel frame for a long lifetime

Operation

- Accumulation of energy at cheaper electricity rates via e.g. night rate or alternative energy such as solar panels.
- An ice thickness probe activates the Eco-cool cooling unit until an equal layer of ice on all evaporator tubes has been built.
- When an exceptional rise in ice water demand is foreseen, the boost button allows the operator to start the cooling unit without reaching the minimum ice level.
- A time clock for ice building during the night or in a programmed period
- The water in the ice builder is cooled to 0.5°C.
- By means of one or more ice water pumps the ice water is sent to the consumer(s).
- The ice is melted down by the warm water returning from the consumer.
- One high pressure air blower pushes compressed air through a PVC-collector on the bottom of the ice builder. This air causes sufficient turbulence in the water so the ice melts evenly, which guarantees a water temperature of 0.5 ° C.
- When the ice water is used in a not completely closed circuit, and some ice water be consumed or drained, an automatic level control unit maintains the ice water up to the required level.

DIMENSIONS
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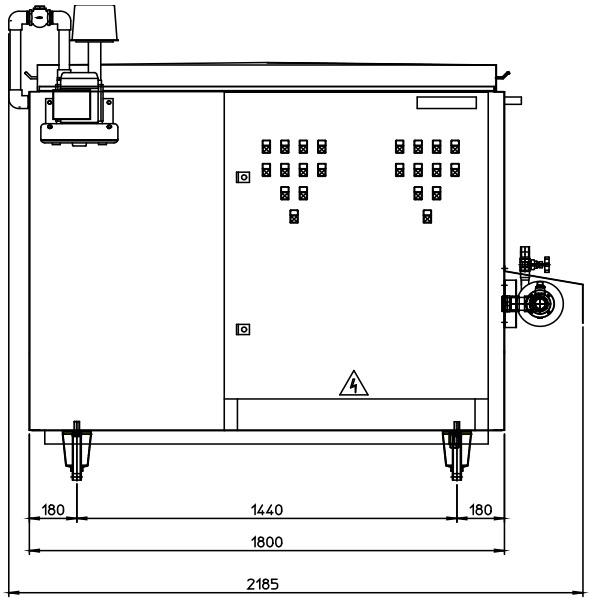

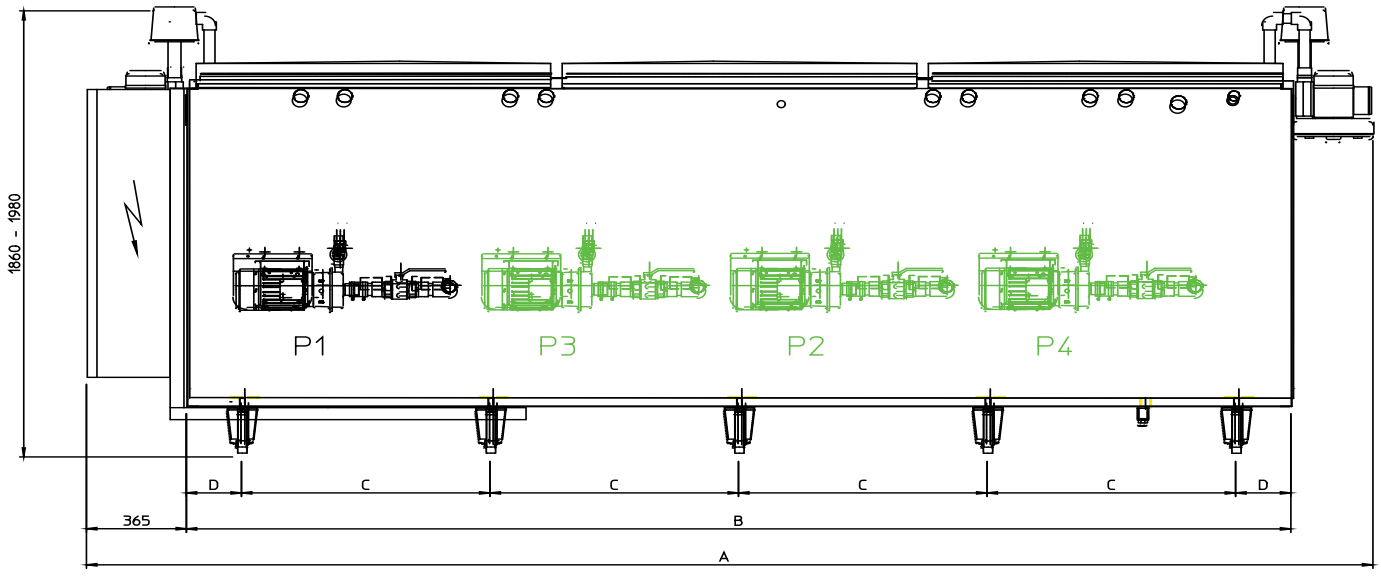

Model	Energy storage		Amount of ice	Amount of water (without ice)	A	B	C	D	# Feet	Weight with 1 pump
PIB	kWh	kcal	kg	Litres	mm	mm	mm	mm		kg
230	238.4	205005	2563	5197	3923	2665	755	200	8	1050
370	374.6	322150	4027	7877	4663	4000	900	200	10	1415

Fullwood Packo nv

Torhoutsesteenweg 154 - 8210 Zedelgem - Belgium

T +32 50 25 06 10 - E cooling@fullwoodpacko.com

www.packocooling.com