

K-4P SLURRY ICE MACHINE

PERFECT COOLING FROM THE CATCHING MOMENT

From the moment the catch is on board the cooling process is the key to maximize the value. Kæling ehf. offers comprehensive cooling solutions for food and fishing industry from the catching moment to final processing.

Why use a slurry ice?

Slurry ice is one of the best cooling methods for catch available. Slurry ice completely surround all the catch and thus ensures more even and better cooling e.g. compared to traditional ice. Spots due to uneven cooling by ice flakes is a thing of the past. Slurry ice is easily pumped through pipes to the places of usage, whether it is on board or at processing stations on land.

Slurry ice used on board and ashore

The popularity of slurry ice is growing rapidly both on board fishing vessels and processing stations on land. Slurry ice is excellent for all catches from the sea and very good for variety of foods. The thickness of an slurry ice can vary from 15% to 40% of an ice concentrate. Thin slurry ice 15-20% is used in processing but thicker up to 40% when slurry ice is used for storing catch in tubs.

The K-4P Slurry Ice Machine at a glance

The K-4P can produce up to 1,268 liters of slurry ice per hour. The machine is equipped with a pre-cooler that ensures even performance at up to 15°C sea temperature. The salt content must be at least 2.6% NaCl. If needed salinity is not available, brine systems can be utilized. Sea usage at 15°C is up to 3,000 liters per hour and sea filtration 30 microns.

Compact equipment and flexible installation

The Slurry Ice Machine take up little space in terms of capacity and are assembled from independent units. The flexibility in installation is very good, in fact so good that The Slurry Ice Machines have always been installed in spite of limited space. Control panels for ice machines are computer controlled and with touch screen. Multiple control panels can be installed with each Slurry Ice Machine. It is common to have a control panel on a bridge and others on a working deck. Pipes are led from The Slurry Ice Machine to the place or places where there is use for the slurry ice.

Durability and reliability

The first Slurry Ice Machine from Kæling was installed in 2005 and all the machines that Kæling ehf. has installed and serviced are still in use. With regular service inspection and proper maintenance, the live time of the machines can be expected up to 25 years or even longer.

Technical specification

Capacity at 0°C sea temperature:	1,268 L/h. of 10% ice or 372 L/h of 40% ice
Pre-cooler:	Enables even capacity at sea temp. up to +15°C
Production at 0°C sea temperature:	12,616 kcal/h
Minimum salinity:	2,6 % NaCl
Operating power consumption:	14 kW
Measurements (LxWxH):	1610x600x740 mm
Weight:	360 kg
Refrigerant:	R404A / R449A
Sea filter:	30 µm
Sea usage at 15°C:	3,000 L/h



Kæling ehf. is a leading company in the field of comprehensive cooling solutions for the fishing industry. We are constantly working on enabling our customers to maximize their catch value with expert cooling at all levels. Cooling solutions from Kæling have gained a foothold both in Iceland and abroad, as they have stood the test of time for quality, reliability, performance, durability and good service.



Kæling