

water down
to 0,5°C

Falling Film Chiller

BUCOdelot



Application fields

Industrial chilling of food

- fish, meet, poultry
- fruit, vegetables
- milk, milk products
- softdrink production
- production of baked goods

Chilling in the production of

- concrete
- chemicals
- pharmaceuticals

**Evaporator system for
heat pumps at lowest water
temperatures**

Reliability

In the BUCOdelot or baudelot cooler the homogeneous falling film allows to chill water down to 0,5 °C without danger of freezing. The unit will not even be damaged, if the regulation fails and causes the building of ice. The Falling film chiller allows the operation with polluted liquids as well.

Application and benefit

- Water chilling down to 0,5 °C
- Chilling of products down to near the freezing point, without danger of freezing it!

Specifications

- Cooling power from 10 to 3.000 kW
- Evaporator for all refrigerants, gravity-, pump-, and dx-mode, or for brine
- Stainless steel completely



Left to right: BUCOdelot compact system with tank, power 100 kW - dx; BUCOdelot typ M, power 1000 kW; BUCOdelot typ B, power 2000 kW

Design and Dimensions

Examples for typical measurements, without tank	L	W	H
Compact – system	1.2	0.5	1.8
System typ M	2.0	2.1	2.0
System typ B	3.8	2.5	2.0

(ca. measurements in m)

Accessibility

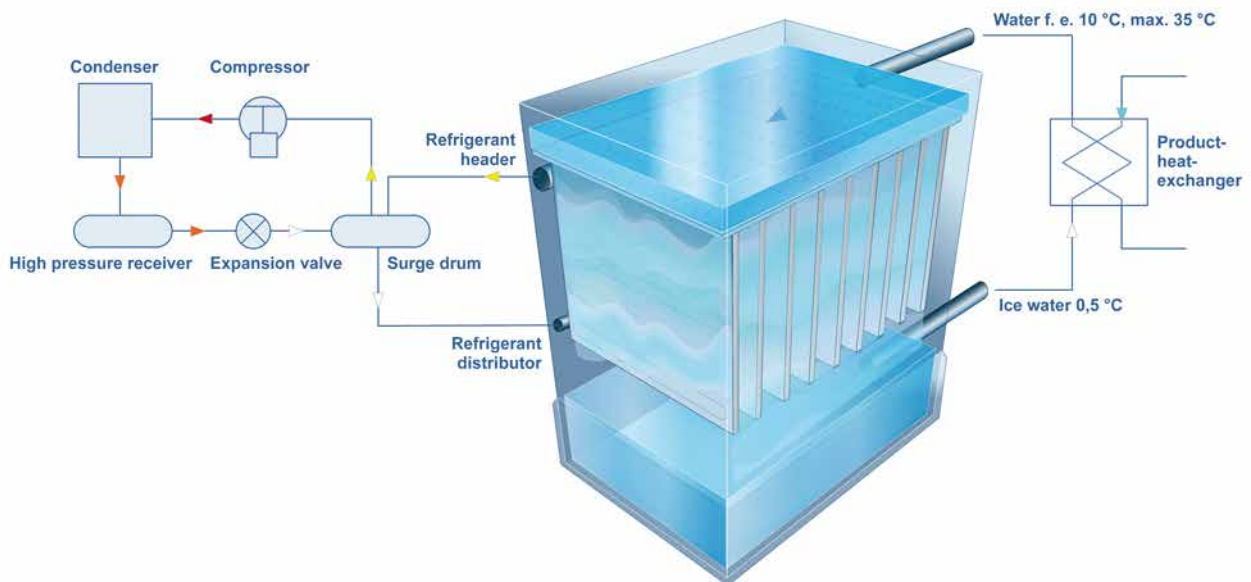
- open distribution tray,
- big drain to remove particle:
 - removeable side covers,
 - open panel system

Method of operation

Water is pumped into the distribution tray and at a controlled rate is distributed homogeneously by a distribution through onto vertical panels in an open system. There the high flow velocity ensures highly efficient heat transfer with a self cleaning effect, which allows the operation with polluted liquids as well. In the BUCOdelot or baudelot cooler the homogeneous falling film allows to chill water down to 0,5 °C without danger of freezing. The unit will not even be damaged, if the regulation fails and causes the building of ice.

Advantages

- water down to 0,5 °C without danger of freezing
- reliability
- for polluted liquids like grey water as well
- low affinity for soiling
- open design
- no gaskets
- easy to clean
- stainless steel completely, for salt water as well
- durability
- low refrigerant content
- individual design if required



“BUCOdelot Falling Film Chillers for more than 30 years.”
“More than 1500 BUCOdelot in operation.”

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