

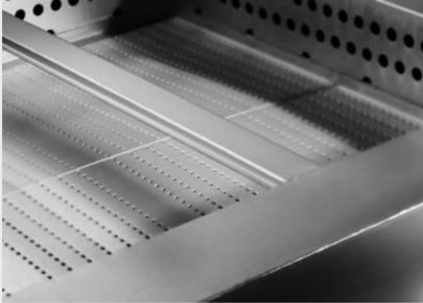
OMEGA
THERMO PRODUCTS

ICEHILL

FALLING FILM CHILLERS

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CUSTOM MADE SOLUTIONS IN HEAT TRANSFER TECHNOLOGY



CHILLING FLUIDS WITHIN 0.5°C OF THEIR FREEZING POINT

Applications

Ice water used for seafoods

Ice water used in poultry applications

Ice water used for milk cooling and
cheese production

Ice water used for washing produce
Ice water used in bakery applications

Ice water used in the meat processing industry

Ice water used for fish processing industry

Ice water used for the concrete industry

The Omega Falling Film Chiller is suitable for cooling fluids to within 0.5°C of their freezing point. The chiller transfers heat from a thin layer of liquid filming on the outside of the pillow plates, while the refrigerant is passing through the inside of the plate. The water can be used to cool your products in a short period, for example to blanch vegetables, to cool dairy products, poultry or to prevent concrete from drying too quickly. Omega Falling Film Chillers can be easily cleaned due to the open concept. Accessibility from all sides and space between the evaporator plates make the units easy to clean. Our falling film chillers can also be used for cooling contaminated liquids with solids or small particles. Even moderately viscous solutions can be chilled economically.

Why should you use an Omega Falling Film Chiller?

- › Suitable for cooling fluids down to 0,5°C of freezing point without the risk of damage due to ice build-up
- › Maintain a constant temperature of the chilled fluid
- › Custom-made to your needs
- › Open construction for easy access and maintenance
- › Complete stainless steel construction
- › Can chill polluted water (particles smaller than 8 mm)
- › Capacities up to 2500 kW per unit



Specifications

All our Falling Film Chillers are custom-made. Please consult an Omega Thermo Products Sales Engineer so we can discuss your cooling requirements and determine which solution is best suited for you.

Cooling medium

Numerous cooling media can be used with our Falling Film Chillers, such as R717, CO₂, Glycol, and Freon.

Materials

Omega Falling Film Chillers can be made of stainless steel types such as 304, 316, SMO-254 and Duplex 2205.



Do not hesitate to contact Omega with your process requirements.

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