

flexible design as
application conditions

Dimple Plates

made of Stainless Steel or Carbon Steel



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

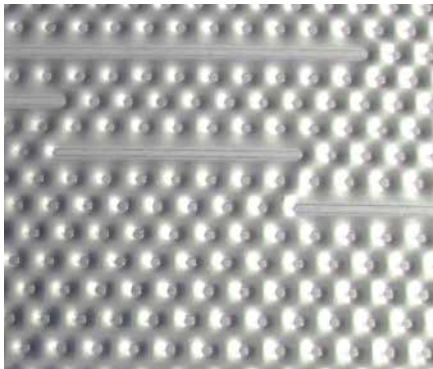
- chemicals
- pharmaceuticals



Efficiency

The big heat exchange areas ensure a safe process operation with homogeneously guided temperature control. The u-values will only be influenced marginally, when pollution or dirt covers the panels. Favourable temperature differences direct at the process media result in a much better efficiency compared to compact external heat exchanges.

At the same time products, especially foods, are treated very gentle. The flexible design of the dimple panels allows tempering of products during other process steps. That secures another separate thermal process step and often increases the product quality. Our experienced engineers would like to support you to integrate the dimple panels into your process.



Left to right: Individual channel design; BUCOplate 120 x 400 mm; BUCOplate 1000 x 12000 mm

Application and Benefit

- homogenous tempering of liquids in tanks
- conciliatory tempering of foods
- heat transfer from polluted media and media with particles

Additional functions:

- as flow breaker in agitator vessels
- as carrier platform f.e. for freeze drying or continuous fryers
- as vibration transport channels for pallets

Individual design in measurement, shape and material allows flexible use in many industries and extend the normal standard.

Specifications

Material according to application specification:

- Carbon steel or stainless steel as: AISI 304, AISI 316L, AISI 316Ti up to titanium.
- Heat exchangers for water, glycol, thermal oil or steam inside the panels.
- Evaporators for all refrigerants used as pump system or dry expansion system.
- Chanel design according to individual calculation by experienced engineers.
- Certification: TÜV, PED, TR CU (GOST).
- Design according to ASME.

**Radiation shields
for chilling,
individually
designed**



**Heating blades
in a drum for
tobacco conditioning
with steam, vibration
transport channels
for tobacco**



**Melting through
for wax, with
round corners
at edges and
collars**



**Plate for wine
cooling with
glycol; heating
plate for
thermal oil**



**Rolled panels
as vessels
or for vessels**



**Carrier plate
for continuous
frying of meat,
with femal screws
for level
adjustment**



Advantages

- homogenous and conciliatory tempering of products
- easy access
- easy cleaning
- reliability
- long lifetime due to individually chosen materials
- any design possible according to application criteria or demand
- integration into vessels for mechanical and thermal doublefunction

Design and Dimensions

- sizes from a hanky up to 12.000 x 2.000 mm
- wall thickness form 0,8/0,8 up to 3/3 mm with double embossed profile
- up to 12 mm groundplate with single embossed profile,
- rolled plates as well
- operating pressure up to 20 bar, in special cases up to 50 bar.

“BUCO Dimple Plates for more than 50 years.”

“More than 500.000 BUCO Dimple Plates in operation.”

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