# B.PROTHERM BPT E 2 x 16 (10) combi H/C banquet

**Dimensions**

Length: 820 mm

Width: 941 mm

Height: 1795 mm

**Model**

**Design**

The B.PROTHERM is made of AISI 304 stainless steel. The surface is micro-polished.

The body and the hinged doors are double-walled and fitted with CFC-free PUR foam panels to provide thermal insulation. As a combi model, the trolley features two separate, thermally insulated compartments on top of one another.

The upper compartment is convection-heated while the lower compartment is convection-cooled. The compartments can be adjusted separately.

The B.PROTHERM trolley is mobile on galvanised steel castors (4 steering castors, 2 of which have brakes, castor diameter 160 mm). The sturdy, synthetic base structure with integrated all-round bumper rail protects the unit and furniture from damage.

**Body**

The base and rear and side walls are fitted with all-round edge radius R2 and are spot-welded at their points of contact (hygienic type HS). The interior is fully equipped with 16 pairs of deep-drawn stainless steel ledge walls per compartment for easy cleaning and maximum hygiene. The support ledges have a uniform spacing of 38.3 mm and are designed to safely hold Gastronorm grates size 2/1 and Gastronorm containers size GN 2/1 or 1/1 (crosswise insertion). This means all common spacing dimensions (about 75 mm, 115 mm) can be housed in a single unit and ensures efficient use of the interior.

In the lower compartment, the support ledges in front of the refrigeration compartment can also be used thanks to the intelligent positioning of the refrigeration compartment on the rear panel in the lower interior. This means that 10 pairs of support ledges are provided to hold size GN 2/1 or its subdivisions and 6 pairs of support ledges are provided to hold size GN 1/1 or its subdivisions.

The refrigeration unit is located in the body interior, protected by its outer casing. The refrigeration unit takes in air at the unit rear with the air inlet protected from dirt ingress and splashed water by a ventilation grate and air filter. The air exhaust outlet is located on the unit's lower surface. The B.PROTHERM interior contains a finned evaporator and a fan, which distributes the cold air uniformly in the unit interior through the evaporator via the air baffle integrated in the rear panel.

The active convection cooling is suitable for keeping food cold at a maximum temperature between +2 °C and +10 °C, as required for hygiene reasons.

The heating module with convection heating is permanently fitted into the upper compartment's rear panel. Control range: +30 °C to +95 °C. The temperature can be regulated down to the degree.

On the rear panel of the interior body, an air baffle ensures optimum, rapid, uniform air circulation throughout the interior and also serves as a stop for inserted GN containers.

The air baffle can be removed for cleaning purposes.

Interior and exterior body are vertically connected with synthetic profiles and thermally separated.

The B.PROTHERM is equipped with 4 vertical push handles as standard to ensure optimum handling on all sides.

The ergonomic length of the handles makes the trolley easy to manoeuvre.

The push handles are located within the bumper rail to prevent the hands from being crushed when rolling through doors and narrow corridors. The helix cord and plug holder are attached on the unit rear and also within the all-round bumper rail.

A separate B.PRO controller for each compartment is integrated into the top of the unit, ensuring user-friendly operation. It contains the unit on/off button, a menu button, a function button and an up/down button to precisely regulate the temperature in the interior concerned among other things.

**Doors**

The trolley is equipped with two doors on its front that can be opened 270°. The doors are inside the bumper rail when open or closed and are thus protected from damage. The push handles are still accessible when the door is open. The robust door hinges are made of stainless steel investment casting. The hinge design eliminates risk of injury if a user should accidentally take hold of the hinge.

The doors are also fitted with an all-round, food-safe seal (TPE) that closes against the trolley body and can be removed.

The built-in door contact switch ensures that refrigeration or heating switches off when the door is open, thus preventing unnecessary energy loss.

The doors are fitted with a 2-point locking system. It is easy to open from the outside by simply pushing up the door handle.

The B.PROTHERM has a push-button which glows in the dark in its interior. The patented

panic opening can be identified if someone should get accidentally locked inside the interior and the door lock can be unlocked from the inside by pressing the button. What is known as the afterglow effect meets the requirements for safety-relevant components specified in ISO 16069.

**Options**

* Can be customised with powder coating on body and doors in 12 colours
* Digitisation/connectivity for digital hygiene, temperature and process management using optionally built-in sensor technology
* Additional socket on rear panel (instead of plug holder) for coupling additional units
* Top with stainless steel railing on 3 sides
* Top with stainless steel railing on 4 sides
* Hygienic type H1
* Door, lockable
* Moisture system
* Draw bar and coupling made of stainless steel (please ensure that drawbar and coupling of trolley and towing machine match).
  + Transfer height 110-200 mm (for rollers ø160 mm)
  + Transfer height 150-240 mm (for rollers ø200 mm)
  + Diameter of coupling pin: 25 mm
  + Diameter drawbar mount: 27 mm
* Convenient door opening with foot operation
* Galvanised steel castors, 160 mm in diameter,

2 fixed and 2 steering castors with brakes

* Galvanised steel castors, 200 mm in diameter,

2 fixed and 2 steering castors with brakes

* Galvanised steel castors, 200 mm in diameter,

4 steering castors, 2 of which have brakes

* Stainless-steel castors with elastic tyres, 160 mm in diameter, 4 steering castors, 2 of which have brakes
* Stainless-steel castors with elastic tyres, 160 mm in diameter, 2 fixed and 2 steering castors with brake
* Stainless-steel castors with elastic tyres, 200 mm in diameter, 2 fixed and 2 steering castors with brake
* Stainless-steel castors with elastic tyres, 200 mm in diameter, 4 steering castors, 2 of which have brakes

**Accessories**

* Eutectic plate -3 °C, synthetic

(order no. 568 136)

* Eutectic plate -12 °C, synthetic

(order no. 573 332)

* Slide-in frame to sub-divide GN containers

with max. depth 150 mm (order no. 564 352)

* GN support bars for variable insertion of GN containers of the size GN 1/4, GN 1/6, GN 1/9 in the slide-in frame (ST 3 order no. 550 650; ST 5 order no. 550 651)
* Menu card holder for the door on front, stainless steel, to attach DIN A5 and DIN A6 menu cards (order no. 575 230)
* BPT E menu card, DIN A6 (order no. 564 353)
* Special pen for marking BPT E menu cards (order no. 564 361)
* Menu card box, synthetic (order no. 564 355)

**Technical data**

Material: Stainless steel,

synthetic

Insulating material: PUR foam panels, CFC-free

Weight: 160 kg

Capacity:

* Upper compartment:

8 x GN 2/1-65

* Lower compartment:

5 x GN 2/1-65 + 3 x GN 1/1-65

Ledges:

* Upper compartment:

16 pairs of deep-drawn support ledges

* Right compartment:

16 deep-drawn support ledges: 10 x 1/1 and 6 x 1/1 GN

Space between ledges of

38.3 mm

Protection type: IPX5

Connected load: 220–240 V AC/50–60 Hz/

1.34 kW

Temperature range:

* Upper compartment:

+30 °C to +95 °C\*

* Lower compartment: can be regulated down to the degree from +2°C to +10 °C at an ambient temperature between +15 °C and +38 °C

Refrigerant: Propane R290

Refrigerating capacity: 0.55 kW at t0= -10 °C and   
tu= +38 °C

Climate class: 4

Emissions: The workplace-specific   
noise level for the unit   
is less than 70 dB(A)

\* Measured at the container's geometrical centre

**Special features**

* Two thermally separated compartments for different temperature ranges
* Extremely efficient, flexible use of interior thanks to uniform space between ledges of 38.3 mm
* Deep-drawn stainless steel ledge walls for easy cleaning and maximum hygiene
* Sturdy, enclosed, solid, synthetic base structure with integrated all-round bumper rail
* Hinged door with door opening of 270°, with lock
* Optional connectivity function

**Make**

Manufacturer: B.PRO

Model: BPT E 2 x 16 (10) combi H/C banquet

B.PROTHERM

Order no. 575 217