



## HEATPAC® CBM

### Brazed plate heat exchanger

The HEATPAC CBM heater is designed mainly for use in the following applications:

- Preheating of fuel oil prior to centrifugal separation.
- Preheating of lube oil prior to centrifugal separation.

The heater uses either thermal oil or hot water as a heating medium.

#### Features

- Efficient heat transfer
- No replacement parts
- Flanged connections
- Compact design
- Low weight

#### Benefits

- Cost effective, low investment
- Optimum use of space
- Easy to install
- Easy to fit into existing systems
- Virtually maintenance-free

#### Working principle and design

The HEATPAC CBM heater contains a series of corrugated stainless steel plates mounted together to form channels through which the heating medium and the oil flow in opposite directions. Heat is efficiently transferred from the heating medium to the oil through the corrugated surface of the plates.

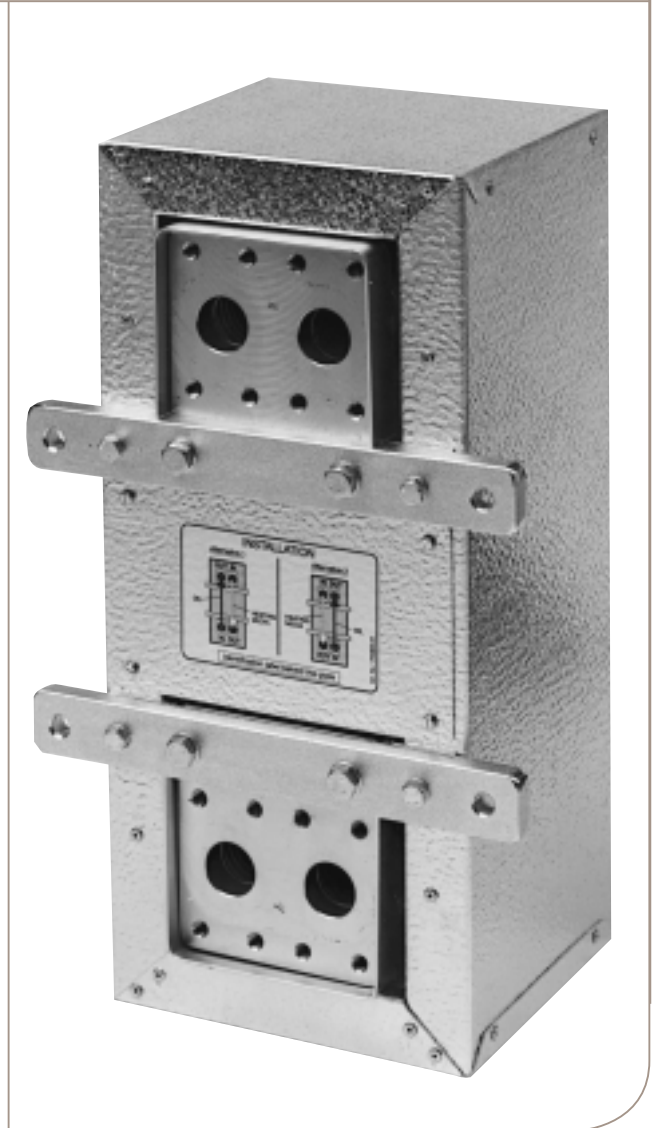
The media are kept apart in the unit by a brazed seal around the edge of the plates. The contact points of the plates are also brazed to withstand the pressure of the heating medium.

#### Standard accessories

Insulation  
Counterflanges including gaskets and bolts

#### Optional equipment

Temperature control equipment  
Regulating valve  
Relief valve



## Heater capacity

Up to 30 m<sup>3</sup>/h, for preheating.

Actual capacity depends on temperature programme, permitted pressure drop, properties of the heating medium.

The HEATPAC CBM is available in two types: CBM 26 and CBM 76. Each type is available with 20, 40, 60, 80 or 100 plates.

## Installation

The HEATPAC CBM heater can be installed either vertically or horizontally when thermal oil or hot water are used.

## Technical data

|                        |   |
|------------------------|---|
| Working temp.:         | max. 225°C                                |
| Working pressure:      | max. 16 bar                               |
| Material, plates:      | stainless steel AISI 316                  |
| Material, connections: | steel SS 1430                             |
| Brazing material:      | copper                                    |
| Connections:           | flanges 1"<br>(CBM 26) or 1 1/2" (CBM 76) |

## Technical documentation

Complete information and documentation is provided in the Instruction Book accompanying each HEATPAC CBM delivery.

---

### How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit [www.alfalaval.com](http://www.alfalaval.com) to access the information direct.