

## Heating insulation

### Brazed and Fusion-bonded plate heat exchangers

The Alfa Laval heating insulations for brazed and fusion bonded plate heat exchangers are easily assembled and disassembled. The heating insulation provides protection from the heat pack and keeps the climate in the operating room dry and not too hot.

For the smaller sizes, up to CB110 / CB112 / AlfaNova 76, the insulations can only be ordered as extras. For the larger sizes, the insulations are customized and assembled at the factory and are therefore ordered as a part of the heat exchanger.

The heating insulations can be combined with feet and support kits. Together with the rigid foot for CB110 / CB112 / AlfaNova 76, manual adjustments of the insulation may be needed.

There are different types of heating insulations to fit each demand:

#### IN-H max 130°C -Type A

- Blue plastic cover with CFC-free polyurethane foam
- Thickness 30-50 mm depending on model
- Thermal conductivity: 0.031 w/mK
- Max. temperature: 130°C
- Fire class rating E acc. to EN ISO 11925-2 : 2010

#### IN-H max 110°C -Type B

- Black EPP - polypropylen (no cover)
- Thickness 20 mm
- Thermal conductivity: 0.039 w/mK
- Max. temperature: 110 °C

#### IN-H max 200°C -Type W

- Insulation: 65 mm mineral wool covered with 0.05 mm alu foil on the inside
- Cladding sheet: 1 mm Alustucco
- Lock: Galvanized steel
- Thermal conductivity: 0.024 w/mK
- Max. temperature: 200°C
- Fire class rating: A1 acc. To RD 19/12/1997
- Class 1 according to BS 476 Part 7
- Class 1 according to FM approval Standard 4450
- Euroclass D according to EN 13501-1

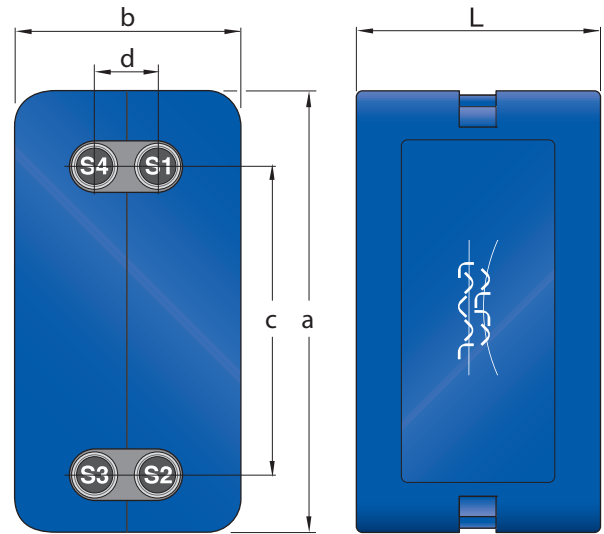


### IN-H max 130°C -Type A

| Model                          | a    | b   | c   | d     | L  |
|--------------------------------|------|-----|-----|-------|----|
| AC18/CB18/CB20/<br>AlfaNova 18 | 384  | 157 | 270 | 46    | *) |
| CB30/AlfaNova 27               | 360  | 182 | 250 | 50    | *) |
| CB60/AlfaNova 52               | 588  | 182 | 466 | 50    | *) |
| AlfaNovaTW 66                  | 602  | 196 | 478 | 73    | *) |
| CB110/CB112/AlfaNova 76        | 670  | 240 | 520 | 92    | *) |
| CB200/AlfaNova 200             | 832  | 370 | 522 | 205   | *) |
| CB210                          | 832  | 370 | 597 | 179   | *) |
| CB300                          | 1094 | 470 | **) | 213.5 | *) |
| CB400/AlfaNova 400             | 1055 | 520 | 825 | 225   | *) |
| CB410                          | 950  | 598 | 593 | 290   | *) |

\*) Sizes to fit all standard sizes

\*\*) Side S1, S2 = 816 mm. Side S3, S4 = 861 mm.



### IN-H max 110°C -Type B

| Model            | a   | b   | c   | d  | L  |
|------------------|-----|-----|-----|----|----|
| CB16/AlfaNova 14 | 248 | 120 | 172 | 42 | *) |
| CB18/CB20        | 366 | 137 | 272 | 46 | *) |
| CB30/AlfaNova 27 | 354 | 156 | 250 | 50 | *) |
| CB60/AlfaNova 52 | 570 | 156 | 466 | 50 | *) |

\*) Sizes to fit all standard item sizes

### IN-H max 200°C -Type W

| Model              | a    | b   | c   | d   | L  |
|--------------------|------|-----|-----|-----|----|
| CB400/AlfaNova 400 | 1055 | 570 | 825 | 255 | *) |

\*) Sizes to fit all standard item sizes

#### How to contact Alfa Laval

Up-to-date AlfaLaval contact details for all countries are always available on our website on [www.alfalaval.com](http://www.alfalaval.com)