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

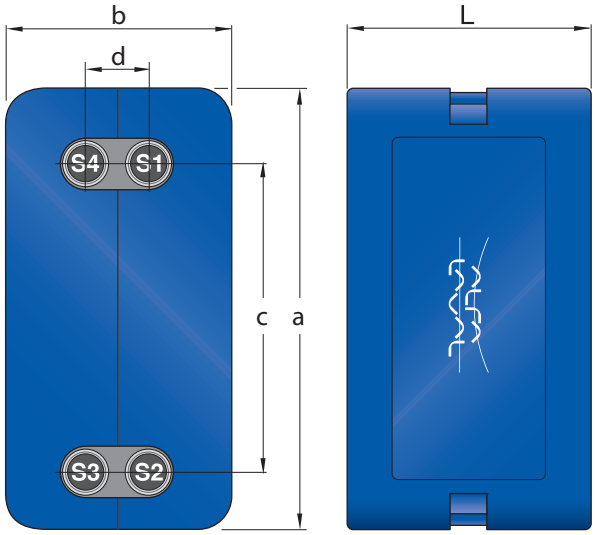
IN-H max 200°C -Type W
- Insulation: 65 mm mineral wool covered with 0.05 mm alu foil on the inside
- Cladding sheet: 1 mm Alustucco
- Lock: Galvanized steel
- Thermal conductivity: 0.024 w/mK
- Max. temperature: 200°C
- Fire class rating: A1 acc. To RD 19/12/1997
- Class 1 according to BS 476 Part 7
- 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	384	157	270	46	*)
CB30/AlfaNova 27	360	182	250	50	*)
CB60/AlfaNova 52	588	182	466	50	*)
CB110/CB112/AlfaNova 76	670	240	520	92	*)
CB200/AlfaNova 200	832	370	522	205	*)
CB300	1094	470	**)	213.5	*)
CB400/AlfaNova 400	1055	520	825	225	*)

*) 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

Alfa Laval reserves the right to change specifications without prior notification.

How to contact Alfa Laval
Up-to-date AlfaLaval contact details for all countries are always available on our website on www.alfalaval.com