Alfa Laval Heating insulation

Accessories gasketed plate-and-frame heat exchangers

Introduction

Alfa Laval heating insulation is used to thermally insulate gasketed-plate-and-frame heat exchangers with operating temperatures up to 180°C (356°F). The insulation saves energy and provides protection against the heat of the plate pack. It also assures a dry and comfortable working climate in the operating room.

Applications

- Biotech and Pharmaceutical
- Chemicals
- Energy and Utilities
- Food and Beverages
- Home and Personal care
- HVAC and Refrigeration
- Machinery and Manufacturing
- Marine and Transportation
- Mining, Minerals and Pigments
- Pulp and Paper
- Semiconductor and Electronics
- Steel
- Water and Waste treatment

Benefits

- Saves energy
- Plate pack heat protection
- Easytoinstall

Design

Alfa Laval Heating insulation is available for most of the heat exchangers in the Industrial line and the Industrial semi-welded line. The heating insulation sections (panels) are designed to ensure simple assembly and disassembly. The panels are equipped with connecting spring locks in galvanized steel or fixed together using screws.

Selection

To be able to make a quotation, please specify:

- Frame type
- A-measurement
- Tightening bolt length
- Type of connections
- Connection positions

Technical data

Product	M6, TL6, TS6, T8, M10, TL10, M15, MK15, TL15, T20, TK20, TS20, MX25, T25, TL35	T2, M3, TL3, T5
Cladding	Aluminium stucco sheet 1 mm (0.039 in)	Aluminium stucco sheet 1 mm (0.039 in)
Insulation	Mineral wool 65 mm (2.56 in)	Mineral wool 40 mm (1.57 in)
Inside layer	Aluminium foil 0.05 mm (0.002 in)	Aluminium foil 0.05 mm (0.002 in)
Panel fixation	Snap locks	Screws

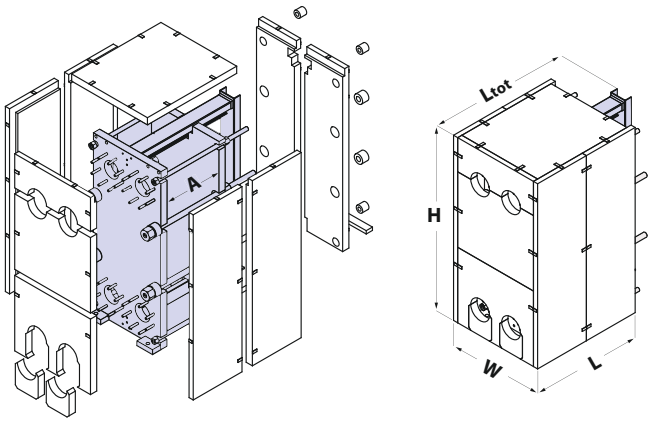
Approximate dimension

The table shows maximum dimensions and might be smaller. For exact measurements please use the sales configurator tool. Measurements in mm (inch).

Product	L[1]	W	H
T2-FG[2]	LC + 130 (5.12)	260 (10.24)	380 (14.96)
M3-FG[2]	LTB + 175 (6.89)	260 (10.24)	520 (20.47)
TL3-FG[2]	LC + 140 (5.51)	270 (10.63)	830 (32.68)
T5-FG[2]	LTB + 135 (5.31)	380 (14.96)	770 (30.31)
M6-FM, M6-FG, M6-FD	A + 225 (8.86)	450 (17.72)	925 (36.42)
TL6-FM, TL6-FG, TL6-FD	A + 360 (14.17)	490 (19.29)	1320 (51.97)
TS6-FG, TS6-FD	A + 300 (11.81)	445 (17.52)	760 (29.92)
T8-FM, T8-FG	A + 350 (13.78)	550 (21.65)	925 (36.42)
M10-FM, M10-FG, M10-FD	A + 490 (19.29)	600 (23.62)	1095 (43.11)
M10-FX	A +595 (23.42)	1190 (46.85	1185 (46.65
TL10-FM	A + 390 (15.35)	630 (24.80)	2000 (78.74)
TL10-FG, TL10-FD	A + 420 (16.53)	630 (24.80)	2100 (82.68)
TL10-FS	A + 460 (18.11)	660 (25.98)	2100 (82.68)
M15-FM	A + 370 (14.57)	740 (29.13)	1975 (77.75)
M15-FG, M15-FD	A + 510 (20.08)	820 (32.28)	1975 (77.75)
MK15-FG, MK15-FD	A + 530 (20.87)	820 (32.28)	1550 (61.02)
MK15-FGR, MK15-FDR	A + 530 (20.87)	820 (32.28)	1550 (61.02)
TL15-FM	A + 360 (14.17)	760 (29.92)	2775 (109.25)
TL15-FG, TL15-FD, TL15-FS	A + 530 (20.87)	820 (32.28)	2775 (109.25)
T20-FG	A + 460 (18.11)	920 (36.22)	2200 (86.61)
T20-FD, T20-FS	A + 560 (22.05)	920 (36.22)	2235 (87.99)
TK20-FD	A + 520 (20.47)	925 (36.42)	1560 (61.42)
TK20-FX	A + 685 (26.97)	1070 (42.12)	1630 (64.17)
TS20-FM	A + 460 (18.11)	870 (34.25)	1430 (56.30)
TS20-FG	A + 460 (18.11)	930 (36.61)	1430 (56.30)
TS20-FS	A + 600 (23.62)	960 (37.80)	1525 (60.04)
MX25-FG, MX25-FD, MX25-FS	A + 580 (22.83)	1070 (45.13)	3050 (125.98)
MX25-FMS, MX25-FGS	A + 490 (19.29)	1070 (45.13)	2670 (105.12)
T25-FG	A + 520 (20.47)	1070 (42.13)	2721 (107.12)
T25-FD	A + 600 (23.62)	1090 (42.91)	2775 (109.25)
T25-FS	A + 640 (25.20)	1090 (42.91)	2775 (109.25)
TL35-FM, TL35-FG	A + 615 (24.21)	1310 (51.57)	3190 (125.59)
TL35-FD, TL35-FS	A + 710 (27.95)	1320 (51.97)	3210 (126.38)

[1] L = A + total insulation measure

[2] L = Ltot (the complete heat exhanger inside the insulation)



For actual heat exchanger measurements see PHE drawing

A = Plate pack length
C = Total length
LC = Length of carrying bar
LTB = Length of tightening bolt
Ltot = C + 0.5 insulation measure

How to contact Alfa Laval

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