



# Alfa Laval Cooling insulation

## Accessories gasketed plate-and-frame heat exchangers

### Introduction

Alfa Laval Cooling insulation is used to thermally insulate gasketed plate-and-frame heat exchangers with operating temperatures between  $-50^{\circ}\text{C}$  ( $-58^{\circ}\text{F}$ ) to  $80^{\circ}\text{C}$  ( $176^{\circ}\text{F}$ ). The insulation saves energy and reduces condensation and the formation of ice.

### Applications

- HVAC and Refrigeration

### Benefits

- Saves energy
- Prevents condensation and formation of ice
- Easy to install

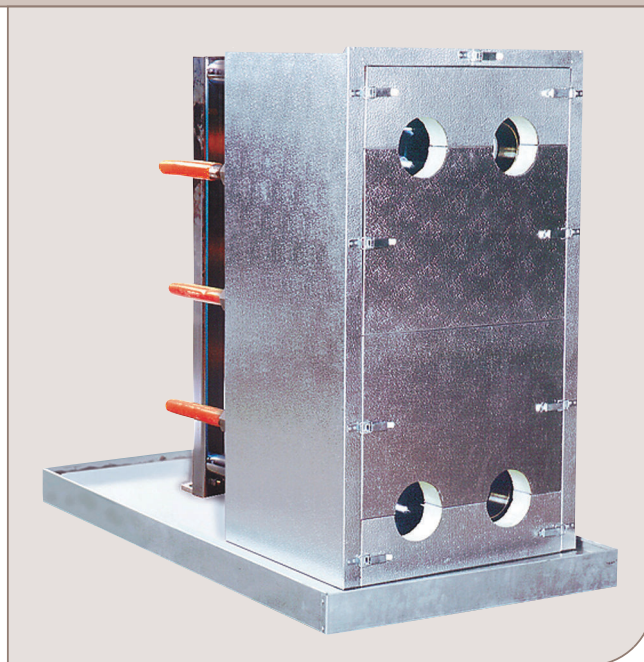
### Design

Alfa Laval Cooling insulation is available for some of the heat exchangers in the Industrial line and the Industrial semi-welded line. The cooling insulation sections (panels) are designed to ensure simple assembly and disassembly. The panels are equipped with connecting spring locks in galvanized steel.

### Selection

To be able to make a quotation, please specify:

- Frame type
- A-measurement
- Type of connections
- Connection positions



## Technical data

Cladding	Aluminium stucco sheet 1.0 mm (0.039in)
Insulation	Polyurethane 40kg/m <sup>3</sup> , 60 mm (2.36 in)
Inside layer	Aluminium foil 0.05 mm (0.002 in)
Panel fixation	Snap locks

## 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 <sup>1</sup>	W	H <sup>2</sup>	W <sub>1</sub>	L <sub>1</sub>
AQ2-FM, <sup>3</sup>	A + 350	460	1042	480	B + 166
AQ2-FG <sup>3</sup>	(13.78)	(18.11)	(41.02)	(18.90)	(6.53)
AQ2L-FM, <sup>3</sup>	A + 380	480	1432	480	B + 166
AQ2L-FG, <sup>3</sup>	(14.96)	(18.90)	(56.38)	(18.90)	(6.53)
AQ2L-FD <sup>3</sup>					
AQ4-FM, <sup>3</sup>	A + 475	600	1202	700	B + 290
AQ4-FG, <sup>3</sup>	(18.70)	(23.62)	(47.32)	(27.56)	(11.41)
AQ4-FD, <sup>3</sup>					
AQ4-FT <sup>3</sup>					
AQ4-FX <sup>3</sup>	A + 595	600	1257	700	B + 150
	(23.42)	(23.62)	(49.49)	(27.56)	(5.90)
AQ4-REF <sup>3</sup>	A + 350	600	1120	630	B + 150
	(13.78)	(23.62)	(44.09)	(24.80)	(5.90)
AQ4L-FM	A + 380	610	2072	700	A + 740
	(14.96)	(24.01)	(81.57)	(27.56)	(29.13)
AQ4L-FG,	A + 410	610	2112	700	A + 740
AQ4L-FD	(16.14)	(24.01)	(83.15)	(27.56)	(29.13)
AQ4L-FS	A + 450	640	2112	730	A + 740
	(17.72)	(25.20)	(83.15)	(28.74)	(29.13)
AQ6-FM	A + 360	740	2062	770	A + 660
	(14.17)	(29.13)	(81.18)	(30.31)	(25.98)
AQ6-FG	A + 440	800	2062	820	A + 740
	(17.32)	(31.50)	(81.18)	(32.28)	(29.13)
AQ6- FD	A + 500	820	2162	850	A + 800
	(19.68)	(32.28)	(85.12)	(33.46)	(31.50)
AQ6L-FM	A + 350	760	2872	800	A + 650
	(13.78)	(29.92)	(113.07)	(31.50)	(25.59)
AQ6L-FG,	A + 530	820	2872	840	A + 830
AQ6L-FD,	(20.87)	(32.28)	(113.07)	(33.07)	(32.68)
AQ6L-FS					
AQ8-FG	A + 480	910	2287	950	A 750
	(18.90)	(35.83)	(90.04)	(37.40)	(29.53)
AQ8-FD,	A + 530	930	2332	970	A 750
AQ8-FS	(20.87)	(38.19)	(91.81)	(38.19)	(29.53)
AQ10-FG,	A + 580	1060	3202	1100	A + 880
AQ10-FD,	(22.83)	(41.73)	(126.06)	(43.31)	(34.64)
AQ10-FS					
AQ10-FMS,	A + 490	1060	2722	1090	A + 790
AQ10-FGS	(19.29)	(41.73)	(107.16)	(42.91)	(31.10)

<sup>1</sup> L = A + total insulation measure

<sup>2</sup>

The height (H) includes the thickness of the drip tray which is placed under the heat exchanger. NOTE! The vertical positions of the connections are 62 mm (2.44 inch) higher for installations that include a drip tray.

<sup>3</sup> L = Ltot (the complete heat exchanger inside the insulation)

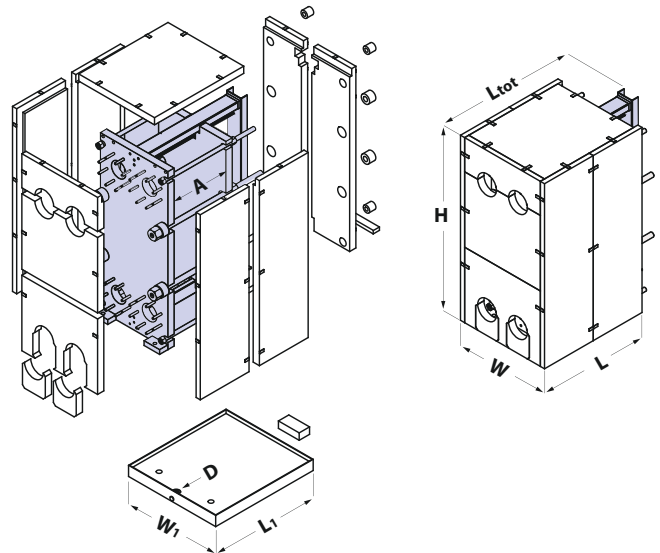
AQ10T-FG	A + 510	1060	2783	1110	LC + 435
	(20.08)	(41.73)	(109.57)	(43.70)	(17.13)
AQ10T-FD	A + 590	1080	2837	1130	LC + 475
	(23.23)	(42.52)	(111.69)	(44.49)	(18.70)
AQ10T-FS	A + 630	1080	2837	1130	LC + 490
	(24.80)	(42.52)	(111.69)	(44.49)	(19.29)
AQ14L-FM	A + 550	1310	3252	1350	A + 850
	(21.65)	(51.57)	(128.03)	(53.15)	(33.46)
AQ14L-FG	A + 605	1310	3332	1350	A + 905
	(23.82)	(51.57)	(131.18)	(53.15)	(35.63)
AQ14L-FD,	A + 700	1320	3342	1360	A + 1000
AQ14L-FS	(7.56)	(51.97)	(131.57)	(53.54)	(37.37)

<sup>1</sup> L = A + total insulation measure

<sup>2</sup>

The height (H) includes the thickness of the drip tray which is placed under the heat exchanger. NOTE! The vertical positions of the connections are 62 mm (2.44 inch) higher for installations that include a drip tray.

<sup>3</sup> L = Ltot (the complete heat exchanger inside the insulation)



For actual heat exchanger measurements see PHE drawing

A = Plate pack length

B = Foot print length

C = Total length

LC = Length of carrying bar

Ltot = C + 0.5 insulation measure

D = Drainage

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