



Pricelist HVAC and General Industry Equipment – 2015

Pricelist, Listino prezzi, Preisliste, Prislita, Lista de precios, Liste de prix, Hinnasto, Cennik, Prislite, Ceník, Lista de preços



HVAC and General Industry Equipment 2015

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HVAC and General Industry

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Dear customer,

This price list is valid from 01.01.2015 all previous price lists will lose their validity at this date. The prices shown in this list are our gross prices, based on Term of delivery according to Incoterm 2010, including export packing and loading at production unit (FCA Production site), excluding VAT and export/import duties. "The General Conditions of the selling Alfa Laval Group company apply to all purchases of products contained in this pricelist. These conditions apply whether or not a copy is attached to the order confirmation or whether a reference is made in the order confirmation. A copy of these General Conditions can be obtained from the selling Alfa Laval Group company". Prices are subject to change without notice. While every precaution has been taken, Alfa Laval assumes no responsibility for errors or omission, or for damage resulting from the information contained herein.

Brazed heat exchangers

Brazed plate heat exchangers range

Many of Alfa Laval's brazed heat exchangers are available directly from stock which are shown in this pricelist. If a more customized specification is required we offer a configure to order service. The table below gives an overview of the complete brazed heat exchanger range. If you have no access to the configuration tool please contact your local Alfa Laval sales representative.



CB16 / CBH16



CB18 / CBH18



CB20



CB30 / CBH30



CB60 / CBH60



CB110 / CBH110



CB112 / CBH112



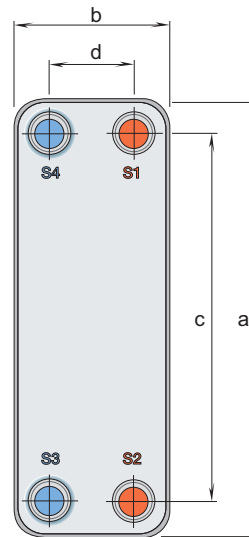
CB200 / CBH200



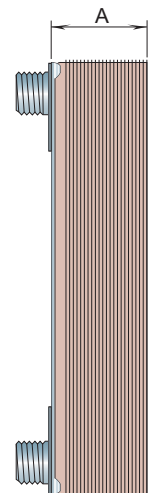
CB300 / CBH300



CB400



Measurement instruction



Technical specifications
Brazed heat exchanger data and dimensions

	CB16 / CBH16	CB18 / CBH18	CB20	CB30 / CBH30	CB60 / CBH60
Channel type	H, A	H, A	H	H, M, L	H, M, L
Max./min. design temperature (°C)	225/-160	150/-50	225/-196	225/-196	175/-196
Max. design pressure at 150°C (S3-S4/S1-S2) (bar) *	32/32	32/32	16/16	36/36	36/36
Volume/channel (S3-S4/S1-S2) (litres)	0.027 (H) ⁴⁾	0.038 (H) ⁵⁾	0.028	0.054	0.103 (H) ⁶⁾
Max. flowrate (S3-S4/S1-S2) (m³/h) **	3.6	3.6	8.9	14.5	14.5
Height, mm (a)	211	316	324	313	527
Width, mm (b)	74	74	94	113	113
Vertical connection distance, mm (c)	172	278	270	250	466
Horizontal connection distance, mm (d)	40	40	46	50	50
Plate pack length, mm (A)	(n x 2.16) + 8	(n x 2.16) + 8	(n x 1.5) + 8	(n x 2.31) + 13	(n x 2.35) + 13
Weight empty, kg ***	(n x 0.04) + 0.27	(n x 0.07) + 0.4	(n x 0.08) + 0.6	(n x 0.1) + 1.2	(n x 0.18) + 2.1
Plate material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Connection material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Brazing material	Copper	Copper	Copper	Copper	Copper
Max. number of plates	60	60	110	150	150

	CB110 / CBH110	CB112 / CBH112	CB200 / CBH200	CB300 / CBH300	CB400
Channel type	H, M, L	H, M, L, AM, AH	H, M, L	H, M, L	H, L
Max./min. design temperature (°C)	225/-196	225/-196	225/-196	225/-196	225/-196
Max. design pressure at 150°C (S3-S4/S1-S2) (bar) *	32/32	32/32	26/26	27/16	32/27
Volume/channel (S3-S4/S1-S2) (litres)	0.021	0.18 ⁷⁾	0.51	0.058/0.69	0.74
Max. flowrate (S3-S4/S1-S2) (m³/h) **	51	34/63	128	200	200
Height, mm (a)	491	618	740	990	990
Width, mm (b)	250	191	323	365	390
Vertical connection distance, mm (c)	378	519	622	816/861	825
Horizontal connection distance, mm (d)	138	92	205	213.5	225
Plate pack length, mm (A)	(n x 2.2) + 12	(n x 2.05) ¹⁵⁾	(n x 2.7) + 11 / (n x 2.7) + 14	(n x 2.62) + 11	(n x 2.56) + 14
Weight empty, kg ***	(n x 0.38) + 13	(n x 0.35) + 4.8	(n x 0.6) + 12 / (n x 0.6) + 14	(n x 1.26) + 21	(n x 1.35) + 24
Plate material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Connection material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Brazing material	Copper	Copper	Copper	Copper	Copper
Max. number of plates	300	300	230	250	270

* According to PED

** Water at 5 m/s (connection velocity)

*** Excluding connections

n = number of plates

¹⁾ M and L channels 29/28 bar

²⁾ E channel 0.18/0.18; A channel 0.18/0.25

³⁾ A channels (n x 2.5) + 10, E channels (n x 2.2) + 10

⁴⁾ A channel (0.030/0.024)

⁵⁾ A channel (0.042/0.035)

⁶⁾ L and M channels 0.13

⁷⁾ AH and AM channels 0.20/0.16

Stocked units



CBH16

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed in vacuum furnace using 100% copper filler material.

The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations and couplings.

	PED *
Design temperature °C	225
Design pressure (S3/S4, S1/S2)	30/30

* Pressure x Volume is too small for PED approval

Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
HEAT EXCHANGER						Insulation type B	
Connections: ISO G 3/4" externally threaded, length 20 mm							
H-channels (Z31, Z31)							
CBH16-9H	S	3287087068	194	45 X 74 X 210	0.9	3456119701	34.3
CBH16-13H	S	3287087069	232	54 X 74 X 210	1.1	3456119701	34.3
CBH16-17H	S	3287087071	268	62 X 74 X 210	1.2	3456119701	34.3
CBH16-25H	S	3287087072	342	80 X 74 X 210	1.6	3456119702	36.4
CBH16-35H	S	3287087073	435	101 X 74 X 210	2.0	3456119702	36.4
CBH16-41H	S	3287087074	491	114 X 74 X 210	2.2	3456119702	36.4
A-channels (Z31, Z31)							
CBH16-9A	S	3287087082	194	45 X 74 X 210	0.9	3456119701	34.3
CBH16-13A	S	3287087081	232	54 X 74 X 210	1.1	3456119701	34.3
CBH16-17A	S	3287087080	268	62 X 74 X 210	1.2	3456119701	34.3
CBH16-25A	S	3287087077	342	80 X 74 X 210	1.6	3456119702	36.4
CBH16-35A	S	3287087076	435	101 X 74 X 210	2.0	3456119702	36.4
CBH16-41A	S	3287087075	491	114 X 74 X 210	2.2	3456119702	36.4
Economy pack							
Connections: ISO G 3/4" externally threaded, length 20 mm (Z31, Z31)							
CBH16-13H (82 units/box)	S	3287103312	14263	NB! Only full boxes can be ordered. The economy pack heat exchangers have NO individual packing or insulation. Insulations have to be ordered separately. One installation manual is available in each economy pack.			
CBH16-17H (64 units/box)	S	3287103313	12879				
CBH16-25H (52 units/box)	S	3287103314	13344				
CBH16-35H (59 units/box)	S	3287131519	19236				

S = Stock unit

EXTRAS		Article no.	Price	Weight kg/unit	Comment / Dimensions
Screw fittings					
DN15 3/4"; Pipe: CS; Nut: CS. Gasket included, include 2 pcs	S	3456632401	20.8	0.1	Welding type. Fits Z31
DN15 3/4"; Pipe: CS; Nut: CS. Gasket included, include 50 pcs	S	3456632402	459	3.0	
15 mm 3/4"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included, include 2 pcs	S	3456634601	33.5	0.2	Soldering type. Fits Z31
Extra gasket fitting for 3/4" couplings. include 2 pcs	S	3456636101	2.1	0.02	
Couplings					
ADITEG 3/4" / DN20 coupling (Brass) include 2 pcs	S	3456643701	25	0.3	
Wall mounting bracket					
Rubber coated clamp, to be assembled around the plate package.	S	3236020425	114	0.5	Not suitable together with insulation.
Insulation type B					
Black, Polypropylene (EPP) without ABS cover (max temperature 110°C)					
Insulation type B: Max 17 plates	S	3456119701	34.3	0.2	81 X 120 X 248
Insulation type B: Max 45 plates	S	3456119702	36.4	0.3	142 X 120 X 248

S = Stock unit



CBH18

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed in vacuum furnace using 100% copper filler material.

The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations and couplings.

	PED *
Design temperature °C	225
Design pressure (S3/S4, S1/S2)	32/32

* Pressure x Volume is too small for PED approval

HEAT EXCHANGER						Insulation type A	
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
Connections: ISO G 3/4" externally threaded, length 20 mm							
H-channels (Z31, Z31)							
CBH18-15H	S	3287101627	288	58 X 74 X 316	1.5	164394701	126
CBH18-23H	S	3287101628	361	75 X 74 X 316	2.1	164394702	130
CBH18-29H	S	3287095932	412	88 X 74 X 316	2.4	164394702	130
CBH18-39H	S	3287101629	499	110 X 74 X 316	3.1	164394702	130
CBH18-47H	S	3287101630	586	127 X 74 X 316	3.6	164394703	136
A-channels (Z31, Z31)							
CBH18-15A	S	3287101703	288	58 X 74 X 316	1.5	164394701	126
CBH18-23A	S	3287101704	361	75 X 74 X 316	2.1	164394702	130
CBH18-29A	S	3287095933	412	88 X 74 X 316	2.4	164394702	130
CBH18-39A	S	3287101705	499	110 X 74 X 316	3.1	164394702	130
CBH18-47A	S	3287101732	586	127 X 74 X 316	3.6	164394703	136
Economy pack							
Connections: ISO G 3/4" externally threaded, length 20 mm (Z31, Z31)							
CBH18-23H (51 units/box)	S	3287131525	13803	NB! Only full boxes can be ordered. The economy pack heat exchangers have NO individual packing or insulation. Insulations have to be ordered separately. One installation manual is available in each economy pack.			
CBH18-29H (93 units/box)	S	3287108420	28725				
CBH18-39H (69 units/box)	S	3287108421	25833				

S = Stock unit

EXTRAS		Article no.	Price	Weight kg/unit	Comment / Dimensions
Screw fittings					
DN15 3/4"; Pipe: CS; Nut: CS. Gasket included include 2 pcs	S	3456632401	20.8	0.1	Welding type. Fits Z31
DN15 3/4"; Pipe: CS; Nut: CS. Gasket included include 50 pcs	S	3456632402	459	3.0	
15 mm 3/4"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included DN15 3/4"; Pipe: CS; Nut: CS. Gasket included include 2 pcs	S	3456634601	33.5	0.2	Soldering type. Fits Z31
Extra gasket fitting for 3/4" couplings include 2 pcs	S	3456636101	2.1	0.02	
Couplings					
ADITEG 3/4" / DN20 coupling (Brass) include 2 pcs	S	3456643701	25	0.25	
Insulation type A					
Polyurethane with blue ABS cover (max temperature 130°C)					
Insulation type A: Max 20 plates	S	164394701	126	0.08	
Insulation type A: Max 40 plates	S	164394702	130	0.09	
Insulation type A: Max 60 plates	S	164394703	136	1.0	
Insulation type B					
Black, Polypropylene (EPP) without ABS cover (max temperature 110°C)					
Insulation type B: Max 20 plates	S	3456213801	33.3	0.1	
Insulation type B: Max 40 plates	S	3456213802	36.4	0.2	

S = Stock unit



CB20

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed in vacuum furnace using 100% copper filler material.

The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations and couplings.

	PED*
Design temperature °C	175
Design pressure (S3/S4, S1/S2)	16/16

* Pressure x Volume is too small for PED approval

HEAT EXCHANGER						Insulation type A	
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
Connections: ISO G 1" externally threaded, length 24 mm (B21, B21)							
CB20-12H	S	3287000012	306	49 X 94 X 324	2.1	164394701	126
CB20-18H	S	3287000013	369	58 X 94 X 324	2.6	164394701	126
CB20-24H	S	3287000014	436	67 X 94 X 324	3.1	164394701	126
CB20-30H	S	3287000015	500	76 X 94 X 324	3.6	164394701	126
CB20-40H	S	3287000016	607	91 X 94 X 324	4.4	164394702	130
CB20-50H	S	3287000017	712	106 X 94 X 324	5.2	164394702	130
CB20-60H	S	3287000018	820	121 X 94 X 324	6.0	164394702	130
CB20-80H	S	3287000019	1038	151 X 94 X 324	7.6	164394703	136
CB20-110H	S	3287000021	1358	196 X 94 X 324	10.0	164394704	140

S = Stock unit

EXTRAS		Article no.	Price	Weight kg/unit	Comment / Dimensions
Screw fittings					
DN20 1"; Pipe: CS; Nut: CS. Gasket included include 2 pcs	S	3456632201	25	0.32	Welding type. Fits B21, V22
DN20 1"; Pipe: CS; Nut: CS. Gasket included include 50 pcs	S	3456632202	562	8.0	
DN25 1"; Pipe: CS; Nut: CS. Gasket included include 2 pcs	S	3456632701	27	0.32	Welding type
DN25 1"; Pipe: CS; Nut: CS. Gasket included include 50 pcs	S	3456632702	608	8.0	
22 mm 1"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 2 pcs	S	3456634501	36.4	0.24	Soldering type. Fits B21, V22
22 mm 1"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 50 pcs	S	3456634502	820	6.0	
28 mm & 35 mm 1"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 2 pcs	S	3456644001	77	0.6	Soldering type
Extra gasket fitting for 1" couplings include 2 pcs	S	3456636001	2.7	0.02	Fits B21, V22
Extra gasket fitting for 1" couplings include 50 pcs	S	3456636002	61.4		Fits B21, V22
Couplings					
ADITEG 1" / DN25 coupling (Brass) include 2 pcs	S	3456643601	33.3	0.37	
Floor stand					
Floor stand	S	164428901	78	0.7	
Insulation type A Polyurethane with blue ABS cover (max temperature 130°C)					
Insulation type A: Max 30 plates	S	164394701	126	0.8	113 X 157 X 384
Insulation type A: Max 60 plates	S	164394702	130	0.9	158 X 157 X 384
Insulation type A: Max 90 plates	S	164394703	136	1.0	203 X 157 X 384
Insulation type A: Max 120 plates	S	164394704	140	1.1	248 X 157 X 384
Insulation type B Black, Polypropylene (EPP) without ABS cover (max temperature 110°C)					
Insulation type B: Max 30 plates	S	3456213801	33.3	0.1	100 X 137 X 366
Insulation type B: Max 60 plates	S	3456213802	36.4	0.2	145 X 137 X 366

S = Stock unit



CB30

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed in vacuum furnace using 100% copper filler material.

The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations, couplings and fastening device.

	PED
Design temperature °C	225
Design pressure (S3/S4, S1/S2)	32/32

HEAT EXCHANGER						Insulation type A	
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
Connections: S1/S2: ISO G 1¼" externally threaded, length 45 mm. S3/S4: ISO G 1" externally threaded, length 45 mm							
H-channels (V22, V24)							
CB30-10H	S	3287083361	366	81 X 113 X 313	3.5	3236000881	132
CB30-18H	S	3287083287	452	100 X 113 X 313	4.4	3236000881	132
CB30-24H	S	3287083286	517	113 X 113 X 313	5.1	3236000882	134
CB30-34H	S	3287083363	618	137 X 113 X 313	6.2	3236000882	134
CB30-50H	S	3287083364	786	174 X 113 X 313	8.0	3236000883	136
CB30-70H	S	3287083365	991	220 X 113 X 313	10.2	3236000884	139
CB30-100H	S	3287083366	1303	289 X 113 X 313	13.7	3236000885	142
CB30-120H	S	3287083367	1510	335 X 113 X 313	15.9	3236000886	146
M-channels (V22, V24)							
CB30-10M	S	3287083368	366	81 X 113 X 313	3.5	3236000881	132
CB30-18M	S	3287083369	452	100 X 113 X 313	4.4	3236000881	132
CB30-24M	S	3287083370	517	113 X 113 X 313	5.1	3236000882	134
CB30-34M	S	3287083371	618	137 X 113 X 313	6.2	3236000882	134
CB30-50M	S	3287083372	786	174 X 113 X 313	8.0	3236000883	136
CB30-70M	S	3287083373	991	220 X 113 X 313	10.2	3236000884	139
CB30-100M	S	3287083374	1303	289 X 113 X 313	13.7	3236000885	142
L-channels (V22, V24)							
CB30-10L	S	3287083377	366	81 X 113 X 313	3.5	3236000881	132
CB30-18L	S	3287083378	452	100 X 113 X 313	4.4	3236000881	132
CB30-24L	S	3287083379	517	113 X 113 X 313	5.1	3236000882	134
CB30-34L	S	3287083380	618	137 X 113 X 313	6.2	3236000882	134
CB30-50L	S	3287083381	786	174 X 113 X 313	8.0	3236000883	136
Connections: ISO G 1" externally threaded, length 45 mm (V22, V22)							
CB30-10H	S	3287082389	363	81 X 113 X 313	3.4	3236000881	132
CB30-18H	S	3287083385	449	100 X 113 X 313	4.3	3236000881	132
CB30-24H	S	3287083386	515	113 X 113 X 313	5.0	3236000882	134
CB30-34H	S	3287083387	615	137 X 113 X 313	6.1	3236000882	134
CB30-50H	S	3287083388	784	174 X 113 X 313	7.8	3236000883	136
CB30-60H	S	3287083294	889	197 X 113 X 313	8.9	3236000883	136
Two pass - Six connections pre/post heater design (V22, V24)							
CB30-50H	S	3287084064	962	211 X 113 X 313	8.3	3236000883	136
CB30-70H	S	3287084065	1314	257 X 113 X 313	10.5	3236000884	139
CB30-100H	S	3287084066	1596	326 X 113 X 313	14.0	3236000885	142
CB30-120H	S	3287084067	1852	372 X 113 X 313	16.2	3236000886	146

S = Stock unit

CB30 Extras

EXTRAS		Article no.	Price	Weight kg/unit	Comment / Dimensions
Screw fittings					
DN20 1"; Pipe: CS; Nut: CS. Gasket included include 2 pcs	S	3456632201	25	0.3	Fits V22. Welding type
DN20 1"; Pipe: CS; Nut: CS. Gasket included include 50 pcs	S	3456632202	562	8.0	
DN25 1"; Pipe: CS; Nut: CS. Gasket included include 2 pcs	S	3456632701	27	0.3	Welding type
DN25 1"; Pipe: CS; Nut: CS. Gasket included include 50 pcs	S	3456632702	608	8.0	
22 mm 1"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 2 pcs	S	3456634501	36.4	0.2	Fits V22. Soldering type
22 mm 1"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 50 pcs	S	3456634502	820	6.0	
28 mm & 35 mm 1"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 2 pcs	S	3456644001	77	0.6	Soldering type
DN25 1¼"; Pipe: CS; Nut: CS. Gasket included include 2 pcs	S	3456631901	34.3	0.4	Fits V24. Welding type
DN25 1¼"; Pipe: CS; Nut: CS. Gasket included include 50 pcs	S	3456631902	773	10.8	
28 mm 1¼"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 2 pcs	S	3456632101	45.8	0.4	Fits V24. Soldering type
28 mm 1¼"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 50 pcs	S	3456632102	1030	10.8	
DN32 1¼"; Pipe: CS; Nut: CS. Gasket included include 2 pcs	S	3456632601	58.2	0.4	Fits V24. Welding type
DN32 1¼"; Pipe: CS; Nut: CS. Gasket included include 50 pcs	S	3456632602	1310	10.8	
Extra gasket fitting for 1" couplings include 2 pcs	S	3456636001	2.7	0.02	Fits B21, V22
Extra gasket fitting for 1" couplings include 50 pcs	S	3456636002	61.4	0.1	Fits B21, V22
Extra gasket fitting for 1¼" couplings include 2 pcs	S	3456635901	3.3	0.02	Fits V24
Couplings					
ADITEG 1" / DN25 coupling (Brass) include 2 pcs	S	3456643601	33.3	0.4	
ADITEG 1¼" / DN32 coupling (Brass) include 2 pcs	S	3456643801	45.8	0.5	
Adjustable foot					
Adjustable foot Max 60 plates	S	3456089801	192	4.3	Fits all connections. Height adjustable from 400 mm to 600 mm.
Adjustable foot Max 100 plates	S	3456089802	208	4.3	
Adjustable foot Max 150 plates	S	3456089803	208	4.3	
Wall mounting bracket					
Rubber coated clamp, to be assembled around the plate package.	S	3236020426	119	0.7	Not suitable together with insulation.
Floor support kit					
Max 30 plates. Includes 2 feet and 2 nuts. The nuts are mounted on the thread on the connections, and fixes the feet.	S	162965401	67.6	0.6	Fits ONLY V22, V22 connections
Max 150 plates *) Includes 2 feet. The feet are assembled together in a U-shape. Mounted on the plate package. *) Have to be ordered together with 162965401	S	162965402	38.5	0.6	
Insulation type A Polyurethane with blue ABS cover (max temperature 130°C)					
Insulation type A: Max 20 plates	S	3236000881	132	0.7	112 X 182 X 360
Insulation type A: Max 40 plates	S	3236000882	134	0.8	160 X 182 X 360
Insulation type A: Max 60 plates	S	3236000883	136	0.9	209 X 182 X 360
Insulation type A: Max 80 plates	S	3236000884	139	1.0	257 X 182 X 360
Insulation type A: Max 100 plates	S	3236000885	142	1.2	304 X 182 X 360
Insulation type A: Max 120 plates	S	3236000886	146	1.3	352 X 182 X 360
Insulation type B Black, Polypropylene (EPP) without ABS cover (max temperature 110°C)					
Insulation type B: Max 25 plates	S	3456104601	33.3	0.2	113 X 156 X 354
Insulation type B: Max 50 plates	S	3456104602	35.4	0.2	173 X 156 X 354
Insulation type B: Max 100 plates	S	3456104603	38.5	0.3	293 X 156 X 354
Insulation type P (max temperature 110°C, min temperature -45°C)					
Insulation type P: Max 14 plates	S	3456213901	58.2	0.1	
Insulation type P: Max 24 plates	S	3456213902	60.3	0.2	
Insulation type P: Max 34 plates	S	3456213903	62.4	0.2	
Insulation type P: Max 50 plates	S	3456213905	66.6	0.2	
Insulation type P: Max 70 plates	S	3456213907	71.8	0.3	
Insulation type P: Max 100 plates	S	3456213908	79	0.4	

S = Stock unit



CB60

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. Channel plates are made in acid proof stainless steel material 1.4401. Frame/pressure plates and connections are made in acid proof stainless steel material 1.4301. All components are brazed in vacuum furnace using 100% copper filler material.

The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations, couplings and fastening device.

	PED
Design temperature °C	225
Design pressure (S3/S4, S1/S2)	32/32

HEAT EXCHANGER						Insulation type A	
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
Connections: S1/S2: ISO G 1¼" externally threaded, length 45 mm. S3/S4: ISO G 1" externally threaded, length 45 mm							
H-channels (V22, V24)							
CB60-10H	S	3287079641	457	81 X 113 X 527	5.0	3236000891	140
CB60-20H	S	3287079642	629	104 X 113 X 527	6.8	3236000891	140
CB60-30H	S	3287079643	803	128 X 113 X 527	8.5	3236000892	148
CB60-40H	S	3287079644	978	151 X 113 X 527	10.3	3236000892	148
CB60-50H	S	3287079645	1151	174 X 113 X 527	12.1	3236000893	151
CB60-60H	S	3287079646	1322	197 X 113 X 527	13.8	3236000893	151
CB60-80H	S	3287079647	1666	244 X 113 X 527	17.3	3236000894	155
CB60-100H	S	3287079648	2011	290 X 113 X 527	21.1	3236000895	158
Connections: ISO G 1" externally threaded, length 45 mm (V22, V22)							
CB60-20H	S	3287079650	627	104 X 113 X 527	6.7	3236000891	140
CB60-30H	S	3287079651	801	128 X 113 X 527	8.4	3236000892	148
CB60-40H	S	3287079652	973	151 X 113 X 527	10.2	3236000892	148
Two pass (V22, V22) (2,2)							
CB60-30H	S	3287079665	982	165 X 113 X 527	8.4	3236000892	148
CB60-40H	S	3287079666	1170	188 X 113 X 527	10.2	3236000892	148
CB60-60H	S	3287079667	1548	234 X 113 X 527	13.7	3236000893	151
M-channels (V22, V24)							
CB60-20M	S	3287101477	629	104 X 113 X 527	6.8	3236000891	140
CB60-30M	S	3287101478	803	128 X 113 X 527	8.5	3236000892	148
CB60-40M	S	3287101479	978	151 X 113 X 527	10.3	3236000892	148
CB60-50M	S	3287101480	1151	174 X 113 X 527	12.1	3236000893	151
CB60-60M	S	3287101481	1321	197 X 113 X 527	13.8	3236000894	155
CB60-80M	S	3287101482	1666	244 X 113 X 527	17.3	3236000894	155
CB60-100M	S	3287101483	2011	290 X 113 X 527	21.1	3236000895	158
L-channels (V22, V24)							
CB60-20L	S	3287101486	629	104 X 113 X 527	6.8	3236000891	140
CB60-30L	S	3287101487	803	128 X 113 X 527	8.5	3236000892	148
CB60-40L	S	3287101488	979	151 X 113 X 527	10.3	3236000892	148
CB60-50L	S	3287101489	1151	174 X 113 X 527	12.1	3236000893	151
CB60-60L	S	3287101490	1321	197 X 113 X 527	13.8	3236000894	155
CB60-80L	S	3287101491	1666	244 X 113 X 527	17.3	3236000894	155
CB60-100L	S	3287101492	2011	290 X 113 X 527	21.1	3236000895	158
Connections: ISO G 1" externally threaded, length 45 mm							
Two pass (V22, V24) (2,2)							
CB60-40L	S	3287109036	1288	188 X 113 X 527	10.7	3236000892	148
CB60-52L	S	3287109037	1516	216 X 113 X 527	12.8	3236000893	151
CB60-64L	S	3287109038	1750	243 X 113 X 527	14.9	3236000894	155
CB60-80L	S	3287108491	2063	281 X 113 X 527	18.0	3236000894	155
CB60-100L	S	3287108922	2454	327 X 113 X 527	21.5	3236000895	158

S = Stock unit



CB60 Extras

EXTRAS		Article no.	Price	Weight kg/unit	Comment / Dimensions
Screw fittings					
DN20 1"; Pipe: CS; Nut: CS. Gasket included include 2 pcs	S	3456632201	25	0.3	Fits V22. Welding type
DN20 1"; Pipe: CS; Nut: CS. Gasket included include 50 pcs	S	3456632202	562	8.0	
DN25 1"; Pipe: CS; Nut: CS. Gasket included include 2 pcs	S	3456632701	27	0.3	Welding type
DN25 1"; Pipe: CS; Nut: CS. Gasket included include 50 pcs	S	3456632702	608	8.0	
22 mm 1"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 2 pcs	S	3456634501	36.4	0.2	Fits V22. Soldering type
22 mm 1"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 50 pcs	S	3456634502	820	6.0	
28 mm & 35 mm 1"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 2 pcs	S	3456644001	77	0.6	Soldering type
DN25 1¼"; Pipe & Nut: CS; Gasket included include 2 pcs	S	3456631901	34.3	0.4	Fits V24. Welding type
DN25 1¼"; Pipe & Nut: CS; Gasket included include 50 pcs	S	3456631902	773	10.8	
28 mm 1¼"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 2 pcs	S	3456632101	45.8	0.4	Fits V24. Soldering type
28 mm 1¼"; Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 50 pcs	S	3456632102	1030	10.8	
DN32 1¼"; Pipe & Nut: CS; Gasket included include 2 pcs	S	3456632601	58.2	0.4	Fits V24. Welding type
DN32 1¼"; Pipe & Nut: CS; Gasket included include 50 pcs	S	3456632602	1310	10.8	
Extra gasket fitting for 1" couplings include 2 pcs	S	3456636001	2.7	0.02	Fits B21, V22
Extra gasket fitting for 1" couplings include 50 pcs	S	3456636002	61.4	0.1	Fits V24
Extra gasket fitting for 1¼" couplings include 2 pcs	S	3456635901	3.3	0.02	
Couplings					
ADITEG 1" / DN25 coupling (Brass) include 2 pcs	S	3456643601	33.3	0.4	
ADITEC 1¼" / DN32 coupling (Brass) include 2 pcs	S	3456643801	45.8	0.5	
Adjustable foot					
Adjustable foot Max 60 plates	S	3456089801	192	4.3	
Adjustable foot Max 100 plates	S	3456089802	208	4.3	Fits all connections. Height adjustable from 400 mm to 600 mm.
Adjustable foot Max 150 plates	S	3456089803	208	4.3	
Wall mounting bracket					
Rubber coated clamp, to be assembled around the plate package.	S	3236020427	129	1.0	Not suitable together with insulation.
Floor support kit					
Max 30 plates. Includes 2 feet and 2 nuts. The nuts are mounted on the thread on the connections, and fixes the feet.	S	162965401	67.6	0.6	Fits ONLY V22, V22 connections
Max 150 plates *) Includes 2 feet. The feet are assembled together in a U-shape. Mounted on the plate package. *) Have to be ordered together with 162965401	S	162965402	38.5	0.6	
Insulation type A Polyurethane with blue ABS cover (max temperature 130°C)					
Insulation type A: Max 20 plates	S	3236000891	140	0.8	112 X 182 X 588
Insulation type A: Max 40 plates	S	3236000892	148	1.0	160 X 182 X 588
Insulation type A: Max 60 plates	S	3236000893	151	1.3	210 X 182 X 588
Insulation type A: Max 80 plates	S	3236000894	155	1.5	257 X 182 X 588
Insulation type A: Max 100 plates	S	3236000895	158	1.7	304 X 182 X 588
Insulation type A: Max 120 plates	S	3236000896	161	2.0	352 X 182 X 588
Insulation type A: Max 150 plates	S	3236000897	167	2.3	424 X 182 X 588
Insulation type B Black, Polypropylene (EPP) without ABS cover (max temperature 110°C)					
Insulation type B: Max 30 plates	S	3456104701	41.6	0.3	125 X 256 X 570
Insulation type B: Max 60 plates	S	3456104702	59.3	0.5	197 X 156 X 570
Insulation type P (max temperature 100°C, min temperature -45°C)					
Insulation type P: Max 20 plates	S	3456214101	72.8	0.3	
Insulation type P: Max 34 plates	S	3456214102	77	0.3	
Insulation type P: Max 40 plates	S	3456214103	80.1	0.4	
Insulation type P: Max 50 plates	S	3456214104	83.2	0.4	
Insulation type P: Max 60 plates	S	3456214105	86.3	0.4	
Insulation type P: Max 80 plates	S	3456214107	92.6	0.5	

S = Stock unit



CB110

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed in vacuum furnace using 100% copper filler material.

The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations, couplings and fastening device.

	PED
Max. design temperature °C	225
Design pressure (S3/S4, S1/S2) at 150°C	30 / 30

HEAT EXCHANGER						Insulation type A	
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
Connections: ISO G 2" externally threaded, length 48 mm							
H-channels (B23, B23)							
CB110-16H	S	3287101553	1432	104 X 191 X 616	14.0	3236000901	170
CB110-20H	S	3287101554	1637	114 X 191 X 616	15.3	3236000901	170
CB110-24H	S	3287101555	1803	124 X 191 X 616	16.6	3236000901	170
CB110-30H	S	3287101556	2142	140 X 191 X 616	18.5	3236000901	170
CB110-38H	S	3287101557	2503	160 X 191 X 616	21.4	3236000902	178
CB110-46H	S	3287101558	3011	181 X 191 X 616	24.0	3236000902	178
CB110-54H	S	3287101559	3287	201 X 191 X 616	26.6	3236000902	178
CB110-64H	S	3287101560	3610	227 X 191 X 616	29.8	3236000903	186
CB110-76H	S	3287101561	4028	258 X 191 X 616	33.7	3236000903	186
CB110-90H	S	3287101562	4709	293 X 191 X 616	38.2	3236000903	186
CB110-120H	S	3287101563	6181	370 X 191 X 616	47.9	3236000904	194
Connections: ISO G 2" externally threaded, length 48 mm							
M-channels (B23, B23)							
CB110-16M	S	3287101587	1432	104 X 191 X 616	14.0	3236000901	170
CB110-20M	S	3287101588	1637	114 X 191 X 616	15.3	3236000901	170
CB110-24M	S	3287101589	1803	124 X 191 X 616	16.6	3236000901	170
CB110-30M	S	3287101590	2142	140 X 191 X 616	18.5	3236000901	170
CB110-38M	S	3287101591	2503	160 X 191 X 616	21.4	3236000902	178
CB110-46M	S	3287101592	3011	181 X 191 X 616	24.0	3236000902	178
CB110-54M	S	3287101593	3287	201 X 191 X 616	26.6	3236000902	178
CB110-64M	S	3287101594	3610	227 X 191 X 616	29.8	3236000903	186
L-channels (B23, B23)							
CB110-16L	S	3287101598	1432	104 X 191 X 616	14.0	3236000901	170
CB110-20L	S	3287101599	1637	114 X 191 X 616	15.3	3236000901	170
CB110-24L	S	3287101600	1803	124 X 191 X 616	16.6	3236000901	170
CB110-30L	S	3287101601	2142	140 X 191 X 616	18.5	3236000901	170
CB110-38L	S	3287101602	2503	160 X 191 X 616	21.4	3236000902	178
CB110-46L	S	3287101603	3011	181 X 191 X 616	24.0	3236000902	178
CB110 with special connections:							
Connections: S1/S2: ISO G2½" externally threaded connections, length 48 mm. S3/S4: ISO G 2" externally threaded connections, length 48 mm. (O4 for CB110/CB112 same as B25 for CB77)							
H-channels (B23, O4)							
CB110-54H	S	3287101740	3306	201 X 191 X 616	26.9	3236000902	178
CB110-70H	S	3287101741	4037	242 X 191 X 616	32.0	3236000903	186
CB110-82H	S	3287101743	4397	273 X 191 X 616	35.9	3236000903	186
M-channels (B23, O4)							
CB110-38M	S	3287101748	2570	160 X 191 X 616	21.7	3236000902	178
CB110-54M	S	3287101749	3306	201 X 191 X 616	26.9	3236000902	178
CB110-70M	S	3287101750	4037	242 X 191 X 616	32.0	3236000903	186
Connections: S1/S2: 76 mm stainless steel welding connections, length 48 mm. S3/S4: ISO G2" externally threaded connections, length 48 mm. (O5 for CB110/CB112 same as J25 for CB77)							
L-channels (B23, O5)							
CB110-16L	S	3287101751	1510	104 X 191 X 616	14.1	3236000901	170
CB110-20L	S	3287101752	1713	114 X 191 X 616	15.4	3236000901	170
CB110-38L	S	3287101755	2592	160 X 191 X 616	21.5	3236000902	178
CB110-54L	S	3287101757	3306	201 X 191 X 616	26.7	3236000902	178
CB110-76L	S	3287101759	4076	258 X 191 X 616	33.8	3236000903	186

S = Stock unit



CB112

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed in vacuum furnace using 100% copper filler material.

The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations, couplings and fastening device.

Symmetrical (H, M, L) and asymmetrical (A) plates are available for CB112.

	PED
Design temperature °C	225
Design pressure (S3/S4, S1/S2)	30 / 30

HEAT EXCHANGER						Insulation type A	
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
L-channels (B23, B23)							
CB112-54L	S	3287108581	3287	176 X 191 X 616	28.0	3236000902	178
CB112-72L	S	3287108583	4024	213 X 191 X 616	34.2	3236000902	178
Two pass - Six connections pre/post heater design (B23, B23) (2.2)							
CB112-30L	S	3287119176	2375	164 X 191 X 616	20.3		
CB112-46L	S	3287119177	3101	197 X 191 X 616	25.9		
CB112-64L	S	3287119178	3918	234 X 191 X 616	32.2		
CB112-76L	S	3287119179	4462	259 X 191 X 616	36.4		
CB112-90L	S	3287119180	5097	288 X 191 X 616	41.3		
CB112-120L	S	3287119181	6457	350 X 191 X 616	51.8		
AM-channels (B23, B23) Asymmetrical channels							
CB112-38AM	S	3287101509	2503	142 X 191 X 616	22.1	3236000901	170
CB112-46AM	S	3287101510	3011	159 X 191 X 616	25.1	3236000902	178
CB112-54AM	S	3287101515	3287	175 X 191 X 616	28	3236000902	178
CB112-62AM	S	3287101511	3610	192 X 191 X 616	30.7	3236000902	178
CB112-72AM	S	3287101516	4024	212 X 191 X 616	34.3	3236000902	178

S = Stock unit

CB110 / CB112 Extras

EXTRAS		Article no.	Price	Weight kg/unit	Comment / Dimensions
Screw fittings					
DN50 2" Pipe & Nut: CS Gasket included include 2 pcs	S	3456631601	66.6	1.1	Fits B23. Welding type
DN50 2" Pipe & Nut: CS Gasket included include 30 pcs	S	3456631602	904	15.8	
DN50 2½" Pipe & Nut: CS Gasket included include 2 pcs	S	3456639501	137	1.3	Fits O4. Welding type
DN65 2½" Pipe & Nut: CS Gasket included include 2 pcs	S	3456634801	200	1.3	Fits O4
DN40 2" Pipe & Nut: CS Gasket included include 2 pcs	S	3456632501	74.9	1.1	Fits B23. Welding type
DN40 2" Pipe & Nut: CS Gasket included include 30 pcs	S	3456632502	1011	15.8	
42 mm. Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 2 pcs	S	3456634401	125	0.8	Fits B23. Soldering type
54 mm. Pipe: Brass; Nut: CS, Nut: CS. Gasket included include 2 pcs	S	3456631801	135	0.9	Fits B23. Soldering type
Gasket for 2" fitting include 2 pcs	S	3456639901	5	0.02	Fits B23
Gasket for 2" fitting include 50 pcs	S	3456639902	112	0.2	Fits B23
Gasket for 2½" fitting include 2 pcs	S	3456640001	5	0.02	Fits O4
Couplings					
ADITEG 2" / DN50 Couplings (Brass) include 2 pcs	S	3456643901	108	0.5	
Adjustable foot					
Adjustable foot Max 60 plates	S	3456090801	229	4.5	Fits all connections. Height adjustable from 400 mm to 600 mm.
Adjustable foot Max 90 plates	S	3456090804	229	4.5	
Adjustable foot Max 120 plates	S	3456090802	229	4.5	
Adjustable foot Max 150 plates	S	3456090803	229	4.5	
Floor support kit					
Max 30 plates. Includes 2 feet and 2 nuts. The nuts are mounted on the thread on the connections, and fixes the feet.	S	162965501	135	2.3	Fits ONLY B23,B23 connections
Max 150 plates *) Includes 2 feet. The feet are assembled together in a U-shape. Mounted on the plate package. *) Have to be ordered together with 162965501	S	162965502	55.1	1.7	Fits ONLY B23,B23 connections
Rigid foot					
Rigid foot	S	3456544501	198	3.8	Includes two feet. Note that the BHE must be ordered with stud bolts.
Insulation type A Polyurethane with blue ABS cover (max temperature 130°C)					
Insulation type A: Max 30 plates CB110 and Max 40 plates CB112	S	3236000901	170	1.3	160 X 240 X 670
Insulation type A: Max 60 plates CB110 and Max 80 plates CB112	S	3236000902	178	1.7	247 X 240 X 670
Insulation type A: Max 90 plates CB110 and Max 120 plates CB112	S	3236000903	186	2.1	334 X 240 X 670
Insulation type A: Max 130 plates CB110 and Max 160 plates CB112	S	3236000904	194	2.6	421 X 240 X 670
Insulation type A: Max 160 plates CB110 and Max 200 plates CB112	S	3236000905	203	2.9	510 X 240 X 670

S = Stock unit



CB200

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed in vacuum furnace using 100% copper filler material.

The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

The units are delivered with flanges, feet and lifting lugs as standard design.

Auxiliaries: Insulations.

	PED
Design temperature °C	175
Design pressure (S3/S4, S1/S2)	26/26

HEAT EXCHANGER					
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit
Connections: S3/S4: Compact flanges, DN80, PN40 *. S1/S2: Compact flanges, DN80, PN40 *					
High theta units (CPF, CPF)					
CB200-64H incl. insulation	S	3287070501	6135	344 X 324 X 742	79.7
CB200-80H incl. insulation	S	3287070503	6847	387 X 324 X 742	89.3
CB200-100H incl. insulation	S	3287070505	7738	441 X 324 X 742	101.3
CB200-124H incl. insulation	S	3287070507	8808	506 X 324 X 742	115.7
CB200-200H incl. insulation	S	3287070511	12197	711 X 324 X 742	161.3
Medium theta units (CPF, CPF)					
CB200-50M incl. insulation	S	3287070515	5511	306 X 324 X 742	71.3
CB200-64M incl. insulation	S	3287070517	6135	344 X 324 X 742	79.7
CB200-80M incl. insulation	S	3287070519	6847	387 X 324 X 742	89.3
CB200-100M incl. insulation	S	3287070521	7738	441 X 324 X 742	101.3
CB200-124M incl. insulation	S	3287070523	8808	506 X 324 X 742	115.7
Low theta units (CPF, CPF)					
CB200-40L incl. insulation	S	3287070530	5064	279 X 324 X 742	65.3
CB200-80L incl. insulation	S	3287070534	6847	387 X 324 X 742	89.3
Connections: Primary side (S3/S4): LFS23 Stainless steel flanges (loose type) PN25, DN80, DIN 2635. Secondary side (S1/S2): LFS23 Stainless steel flanges (loose type) PN25, DN80, DIN 2635					
High theta units (LFS23, LFS23)					
CB200-64H incl. insulation	S	3287000765	6716	344 X 324 X 742	82.0
CB200-100H incl. insulation	S	3287056283	8384	441 X 324 X 742	103.6
CB200-124H incl. insulation	S	3287000766	9494	506 X 324 X 742	118.0
CB200-200H incl. insulation	S	3287050163	13014	711 X 324 X 742	163.6
Medium theta units (LFS23, LFS23)					
CB200-50M incl. insulation	S	3287050029	6068	306 X 324 X 742	73.6
CB200-64M incl. insulation	S	3287000762	6716	344 X 324 X 742	82.0
CB200-80M incl. insulation	S	3287000763	7458	387 X 324 X 742	91.6
CB200-100M incl. insulation	S	3287000764	8384	441 X 324 X 742	103.6
CB200-124M incl. insulation	S	3287050006	9494	506 X 324 X 742	118.0
Low theta units (LFS23, LFS23)					
CB200-80L incl. insulation	S	3287050145	7458	387 X 324 X 742	91.6

S = Stock unit

* Units equipped with compact flanges, the counter flanges have to be ordered separately. See extras.

EXTRAS		Article no.	Price	Weight kg/unit
Counter compact flanges				
DN80 flange: SS; Nut: SS Gasket included	S	3456325103	122	1.8
DN80 flange: CS; Nut: SS Gasket included	S	3456325104	94.6	1.8
Gasket for DN80 flange	S	3456287003	17.2	

S = Stock unit



CB300

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed in vacuum furnace using 100% copper filler material.

The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

The units are delivered with flanges, feet and lifting lugs as standard design.

Auxiliaries: Insulations

	PED
Design temperature °C	175
Design pressure (S3/S4, S1/S2)	27/16

HEAT EXCHANGER						Insulation
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Price
Connections: Primary side (S3/S34): Compact flanges, DN65, PN40. Secondary side (S1/S2): Compact flanges, DN100, PN35 *.						
High theta units (CPF, CPF)						
CB300-150H incl. insulation	S	3287070317	14475	664 X 366 X 990	240.3	
Medium theta units (CPF, CPF)						
CB300-64M incl. insulation	S	3287070326	8745	439 X 366 X 990	131.9	
CB300-100M incl. insulation	S	3287070329	11144	533 X 366 X 990	177.3	
Low theta units (LFS, LFS)						
CB300-50L	S	3287000339	7529	402 X 366 X 990	114.6	943
CB300-64L	S	3287000340	8493	439 X 366 X 990	132.2	943

S = Stock unit

* Units equipped with compact flanges, the counter flanges have to be ordered separately. See extras.

EXTRAS		Article no.	Price	Weight kg/unit
Counter compact flanges				
DN65 flange: SS; Nut: SS Gasket included	S	3456325101	103	1.5
DN100 flange: SS; Nut: SS Gasket included	S	3456325105	176	2.5
DN65 flange: CS; Nut: SS Gasket included	S	3456325102	90.5	1.5
DN100 flange: CS; Nut: SS Gasket included	S	3456325106	146	2.5
Gasket for DN65 flange	S	3456287002	17.2	0.1
Gasket for DN100 flange	S	3456287004	17.2	
Inspection cover				
CPF100SS	S	3456392601	208	2.8

S = Stock unit



CB400

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed in vacuum furnace using 100% copper filler material.

The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

The units are delivered with flanges, feet and lifting lugs as standard design.

Auxiliaries: Insulations.

	PED
Design temperature °C	225
Design pressure (S3/S4, S1/S2)	30/25

HEAT EXCHANGER					
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit
Connections: Primary side (S3/S4): Compact flanges, DN100, PN35*. Secondary side (S1(S2): Compact flanges, DN100, PN35*.					
High theta units (CPF, CPF)					
CB400-200H incl. insulation	S	3287081959	19570	786 X 390 X 990	345.4
CB400-270H incl. insulation	S	3287081961	24515	965 X 390 X 990	424.9

S = Stock unit

* Units equipped with compact flanges, the counter flanges have to be ordered separately. See extras.

EXTRAS		Article no.	Price	Weight kg/unit
Counter compact flanges				
DN100 flange: SS; Nut: SS Gasket included	S	3456325105	176	2.5
DN100 flange: SS; Nut: CS Gasket included	S	3456325106	146	2.5
Gasket for DN100 flange	S	3456287004	17.2	
Inspection cover				
CPF100SS	S	3456392601	208	2.8

S = Stock unit



Cleaning In Place

Cleanliness, or lack of fouling and scaling is dependent on the media passing through and how well and frequently the unit is cleaned. A Cleaning-In-Place (CIP) unit can be used when cleaning the unit. Depending on what one expects to find as restraint in the unit one uses different kind of CIP chemicals in order to remove oil and other deposits.

Please note that it is important to follow the procedures and instructions that Alfa Laval has issued when cleaning the heat exchanger; the brazed-, welded-, semi-welded- as well as the gasketed heat exchanger.

CIP modules

Model	Article no.	Weight (kg)	Price
CIP 20 230V/50 Hz	3284000501	8	1231
CIP 40 230V/50 Hz	3284000001	15	3616
CIP 40 110V/60 Hz	3284043601	15	3929
CIP 200L 380-415V/50 Hz	969951-00	145	18251
CIP 200L 440-480V/60 Hz	969951-01	145	18251
CIP 200LT Steam	969951-06	145	34878
CIP 200L 380-415V/50 Hz	969951-10	145	17602
CIP 200L 440-480V/60 Hz	969951-11	145	17602
CIP 400L 380-415V/60 Hz	969952-00	235	25945
CIP 400L 440-480V/60 Hz	969952-01	235	25945
CIP 800L 380-415V/50 Hz	969953-00	500	29772
CIP 800L 440-480V/60 Hz	969953-01	500	29177
CIP 800L 380-415V/50 Hz	969953-10	500	31869
CIP 800L 440-480V/60 Hz	969953-11	500	31869
CIP 1800L 380-415V/50 Hz	969954-00	644	40927
CIP 1800L 440-480V/60 Hz	969954-01	644	40927
CIP 1800L 380-415V/50 Hz	969954-10	644	46005
CIP 1800L 440-480V/60 Hz	969954-11	644	46005
CIP 2800L 380-415V/50 Hz	969955-00	788	53644
CIP 2800L 440-480V/60 Hz	969955-01	788	53644

Cleaning chemicals

Model	Article no.	Weight / Volume	Price
Alfa Add	3284001902	5 l	207
Alfa Caus	3180126126	20 l	158
Alfa Neutra	3180126124	20 l	104
Alfa Phos	3180126125	20 l	242
Alfa P-Neutra (powder, 5x0.3 kg bags/pcs, min. qty 42 pcs)	3284000601	5 x 0.3 kg	40
Alfa P-Scale (powder, 5x1 kg bags/pcs, min. qty 17 pcs)	3284000602	5 x 1 kg	94
Alpacon Descalant (To be ordered from DC TUMBA)	179640413	25 l	203
Alpacon Degreaser (To be ordered from DC TUMBA)	179640514	25 l	189

Technical specification standard CIP units

	CIP20	CIP 40	CIP 200 / 400	CIP 800 / 1800 / 2800
Tank volume in liters	20	40	200 / 400	800 / 1800 / 2800
Pump	Rotor	Rotor	Centrifugal	Centrifugal
Flow rate at 3 mwc	1.1 m ³ /h	2.1 m ³ /h	10 m ³ /h	40 m ³ /h
Electrical heater	n/a	n/a	6 kW alt 12 kW	12 kW
Connection	R 3/4"	R 3/4"	DIN 11851, DN 65	DIN 11851, DN 65
Length of hose	Approx. 2 m	Approx. 2 m	4 m	4 m
Voltage	230V/50 Hz	230V/50 Hz 110V/60 Hz	380-415V/50 Hz 440-480V/60 Hz	380-415V/50 Hz 440-480V/60 Hz
Max. operating temp.	60°C	60°C	70°C	70°C
Material	Polymer	Polymer	SS	SS
Weight empty	8 kg	15 kg	145 / 235 kg	500 / 644 / 788 kg
Size (W X L X H) mm	250 x 500 x 350	320 x 730 x 530	1550 x 475 x 1025	1735 x 2160 x 1260

AlfaNova heat exchangers

Fusion bonded plate heat exchangers range

Many of Alfa Laval's fusion bonded plate heat exchangers are available directly from stock which are shown in this pricelist. If a more customized specification is required we offer a configure to order service. The table below gives an overview of the complete fusion bonded plate heat exchanger range. If you have no accesses to the configuration tool please contact your local Alfa Laval sales representative.



AlfaNova 14



AlfaNova 27



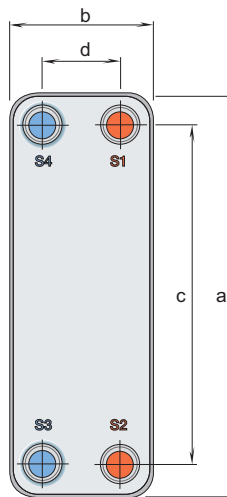
AlfaNova 52



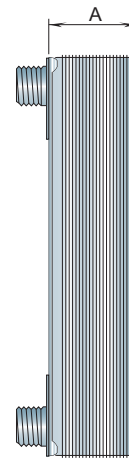
AlfaNova 76



AlfaNova 400



Measurement instruction



Technical specifications

Fusion bonded plate heat exchangers data and dimensions

	AlfaNova 14	AlfaNova 27	AlfaNova 52	AlfaNova 76	AlfaNova 400
Channel type	H	H, L	H, L	H, A, E, L	H, L
Max./min. design temperature (°C)	160/-175	160/-175	160/-175	160/-175	160/-175
Max. design pressure (S3-S4/S1-S2) (bar) *	21/21	27/22	27/22	27/22	17/17
Volume/channel (S3-S4/S1-S2) (litres)	0.02	0.05	0.095	0.25 ¹ /0.25	0.74
Max. flowrate (S3-S4/S1-S2) (m ³ /h) **	4.6	14	14	37	200
Height, mm (a)	207	310	526	618	990
Width, mm (b)	77	111	111	191	390
Vertical connection distance, mm (c)	172	250	466	519	825
Horizontal connection distance, mm (d)	42	50	50	92	225
Plate pack length, mm (A)	(n x 2.48) + 8	(n x 2.42) + 11	(n x 2.48) + 11	(n x 2.85) + 11 ^{***}	(n x 2.65) + 14
Weight empty, kg	(n x 0.07) + 0.4	(n x 0.13) + 1	(n x 0.22) + 1.9	(n x 0.49) + 8	(n x 1.4) + 22
Plate material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Connection material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Bounding material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Max. number of plates	50	100	150	150	270
Radiator heating, capacity (kW) ²	90	400	500	1200	3300
Tap water heating, capacity (kW) ³	60	180	380	700	2700

* According to PED

** Water at 5 m/s (connection velocity)

*** H channel

¹) E channel 0.18/0.18; A channel 0.18/0.25

²) Varies from country to country depending on temperature duty. Given values are for typical district heating installations

³) Valid for H-plate

n = number of plates

Stocked units



AlfaNova 14

The plate heat exchangers are secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and fusion bonded with AlfaFusion™ technology using stainless steel material.

The units are manufactured according to European Directive 97/23/EC and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations, couplings and fastening device.

	PED
Max. design temperature °C	550
Design pressure (S3/S4, S1/S2) at 175°C	21 / 21

HEAT EXCHANGER						Insulation type B	
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
Connections: ISO G ¾" externally threaded (A21,A21)							
AlfaNova 14-10H	S	3287050661	559	57 X 77 X 207	1.3	3456119701	34.3
AlfaNova 14-20H	S	3287050662	703	82 X 77 X 207	2.0	3456119702	36.4
AlfaNova 14-30H	S	3287050663	849	106 X 77 X 207	2.7	3456119702	36.4
AlfaNova 14-40H	S	3287050664	995	131 X 77 X 207	3.4	3456119702	36.4

S = Stock unit

EXTRAS		Article no.	Price	Weight kg/unit	Comment / Dimensions
Screw fittings					
DN15 ¾"; Pipe: SS, Nut: CS, include 2 pcs	S	3456632801	32.2	0.12	Welding type. Fits A21
Extra gasket fitting for ¾" couplings, include 2 pcs	S	3456636101	2.1	0.02	Fits A21
<i>For couplings in Brass/CS, see CBH16</i>					
Wall mounting bracket					
Rubber coated clamp, to be assembled around the plate package.	S	3236020425	114	0.5	Not suitable together with insulation.
Insulation type B					
Black, Polypropylene (EPP) without ABS cover (max temperature 110°C)					
Insulation type B: Max 14 plates	S	3456119701	34.3	0.2	
Insulation type B: Max 40 plates	S	3456119702	36.4	0.3	

S = Stock unit



AlfaNova 27

The plate heat exchangers are secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed with AlfaFusion™ technology using stainless steel material.

The units are manufactured according to European Directive 97/23/EC and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations, couplings and fastening device.

	PED
Max. design temperature °C	550
Design pressure (S3/S4, S1/S2) at 175°C	27 / 22

HEAT EXCHANGER						Insulation type A	
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
Connections: S1/S2: ISO G 1¼" externally threaded, length 45 mm. S3/S4: ISO G 1" externally threaded, length 45 mm (V22,V24)							
AlfaNova 27-10H	S	3288001188	770	80 X 111 X 310	3.6	3236000881	132
AlfaNova 27-18H	S	3288000763	973	100 X 111 X 310	4.6	3236000881	132
AlfaNova 27-24H	S	3288000901	1125	114 X 111 X 310	5.4	3236000882	134
AlfaNova 27-34H	S	3288000764	1382	138 X 111 X 310	6.7	3236000882	134
AlfaNova 27-50H	S	3288000970	1789	177 X 111 X 310	8.8	3236000883	136
AlfaNova 27-70H	S	3288000999	2302	225 X 111 X 310	11.4	3236000884	139
AlfaNova 27-100H	S	3287050287	3192	298 X 111 X 310	15.4	3236000886	146
Two pass - Six connections pre/post heater design							
AlfaNova 27-50H	S	3288001270	2055	217 X 111 X 310	9.1	3236000883	136
AlfaNova 27-70H	S	3288001271	2590	265 X 111 X 310	11.7	3236000884	139
AlfaNova 27-100H	S	3288001272	3396	338 X 111 X 310	15.8	3236000886	146

S = Stock unit

EXTRAS		Article no.	Price	Weight kg/unit	Comment / Dimensions
Screw fittings					
DN20 1"; Pipe: SS, Nut: CS Gasket included, include 2 pcs	S	3456632301	46.8	0.32	Welding type. Fits V22.
DN25 1¼"; Pipe: SS, Nut: CS Gasket included, include 2 pcs	S	3456632001	64.5	0.43	Welding type
DN32 1¼"; Pipe: SS, Nut: CS Gasket included, include 2 pcs	S	3456632901	78	0.43	
Extra gasket fitting for 1" couplings, include 2 pcs	S	3456636001	2.7	0.02	Fits B21, V22
Extra gasket fitting for 1¼" couplings, include 2 pcs	S	3456635901	3.3	0.02	Fits V24
<i>For couplings in Brass/CS, see CB30</i>					
Adjustable foot					
Adjustable foot Max 60 plates	S	3456089801	192	4.3	Fits all connections. Height adjustable from 400 mm to 600 mm.
Adjustable foot Max 100 plates	S	3456089802	208	4.3	
Adjustable foot Max 150 plates	S	3456089803	208	4.3	
Wall mounting bracket					
Rubber coated clamp, to be assembled around the plate package.	S	3236020426	119	0.7	Not suitable together with insulation.
Floor support kit					
Max 30 plates. Includes 2 feet and 2 nuts. The nuts are mounted on the thread on the connections, and fixes the feet.	S	162965401	67.6	0.6	Fits ONLY V22, V22 connections
Max 150 plates *) Includes 2 feet. The feet are assembled together in a U-shape. Mounted on the plate package. *) Have to be ordered together with 162965401	S	162965402	38.5	0.6	
Insulation type A					
Polyurethane with blue ABS cover (max temperature 130°C)					
Insulation type A: Max 18 plates	S	3236000881	132	0.7	
Insulation type A: Max 38 plates	S	3236000882	134	0.8	
Insulation type A: Max 58 plates	S	3236000883	136	0.9	
Insulation type A: Max 76 plates	S	3236000884	139	1.0	
Insulation type A: Max 96 plates	S	3236000885	142	1.2	
Insulation type A: Max 114 plates	S	3236000886	146	1.3	
Insulation type B					
Black, Polypropylene (EPP) without ABS cover (max temperature 110°C)					
Insulation type B: Max 24 plates	S	3456104601	33.3	0.2	
Insulation type B: Max 48 plates	S	3456104602	35.4	0.2	
Insulation type B: Max 98 plates	S	3456104603	38.5	0.3	

S = Stock unit



AlfaNova 52

The plate heat exchangers are secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed with AlfaFusion™ technology using stainless steel material.

The units are manufactured according to European Directive 97/23/EC and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations, couplings and fastening device.

	PED
Max. design temperature °C	550
Design pressure (S3/S4, S1/S2) at 175°C	27 / 22

HEAT EXCHANGER						Insulation type A	
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
Connections: S1/S2: ISO G 1¼" externally threaded, length 45 mm. S3/S4: ISO G 1" externally threaded, length 45 mm (V22, V24)							
AlfaNova 52-10H	S	3288001442	1096	81 X 111 X 526	5.4	3236000892	148
AlfaNova 52-20H	S	3288001139	1477	106 X 111 X 526	7.5	3236000892	148
AlfaNova 52-30H	S	3288001047	1855	130 X 111 X 526	9.7	3236000892	148
AlfaNova 52-40H	S	3288001265	2234	155 X 111 X 526	11.9	3236000893	151
AlfaNova 52-50H	S	3287050288	2614	180 X 111 X 526	14.0	3236000893	151
AlfaNova 52-60H	S	3288001266	2992	205 X 111 X 526	16.2	3236000894	155
AlfaNova 52-80H	S	3287050289	3751	254 X 111 X 526	20.5	3236000895	158
AlfaNova 52-100	S	3287050290	4509	304 X 111 X 526	25.1	3236000896	161
Two pass - Six connections pre/post heater design							
AlfaNova 52-60L	S	3287051200	3375	244 X 111 X 526	16.6	3236000894	155
AlfaNova 52-80L	S	3287051201	4177	293 X 111 X 526	21.1	3236000895	158

S = Stock unit

EXTRAS		Article no.	Price	Weight kg/unit	Comment / Dimensions
Screw fittings					
DN20 1"; Pipe: SS, Nut: CS Gasket included, include 2 pcs	S	3456632301	46.8	0.32	Welding type. Fits V22.
DN25 1¼"; Pipe: SS, Nut: CS Gasket included, include 2 pcs	S	3456632001	64.5	0.43	Welding type
DN32 1¼"; Pipe: SS, Nut: CS Gasket included, include 2 pcs	S	3456632901	78	0.43	
Extra gasket fitting for 1" couplings, include 2 pcs	S	3456636001	2.7	0.02	Fits B21, V22
Extra gasket fitting for 1¼" couplings, include 2 pcs	S	3456635901	3.3	0.02	Fits V24
<i>For couplings in Brass/CS, see CB60</i>					
Adjustable foot					
Adjustable foot Max 60 plates	S	3456089801	192	4.3	Fits all connections. Height adjustable from 400 mm to 600 mm.
Adjustable foot Max 100 plates	S	3456089802	208	4.3	
Adjustable foot Max 150 plates	S	3456089803	208	4.3	
Wall mounting bracket					
Rubber coated clamp, to be assembled around the plate package.	S	3236020427	129	1.0	Not suitable together with insulation.
Floor support kit					
Max 30 plates. Includes 2 feet and 2 nuts. The nuts are mounted on the thread on the connections, and fixes the feet.	S	162965401	67.6	0.6	Fits ONLY V22, V22 connections
Max 150 plates *) Includes 2 feet. The feet are assembled together in a U-shape. Mounted on the plate package. *) Have to be ordered together with 162965401	S	162965402	38.5	0.6	
Insulation type A					
Polyurethane with blue ABS cover (max temperature 130°C)					
Insulation type A: Max 38 plates	S	3236000892	148	1.0	
Insulation type A: Max 58 plates	S	3236000893	151	1.3	
Insulation type A: Max 76 plates	S	3236000894	155	1.5	
Insulation type A: Max 96 plates	S	3236000895	158	1.7	
Insulation type A: Max 114 plates	S	3236000896	161	2.0	
Insulation type A: Max 144 plates	S	3236000897	167	2.3	
Insulation type B					
Black, Polypropylene (EPP) without ABS cover (max temperature 110°C)					
Insulation type B: Max 28 plates	S	3456104701	41.6	0.3	
Insulation type B: Max 56 plates	S	3456104702	59.3	0.5	

S = Stock unit



AlfaNova 76

The plate heat exchangers are secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and brazed with AlfaFusion™ technology using stainless steel material.

The units are manufactured according to European Directive 97/23/EC and therefore pressure tested with air and leakage tested with helium.

Auxiliaries: Insulations, couplings and fastening device.

	PED
Max. design temperature °C	550
Design pressure (S3/S4, S1/S2) at 175°C	27 / 27

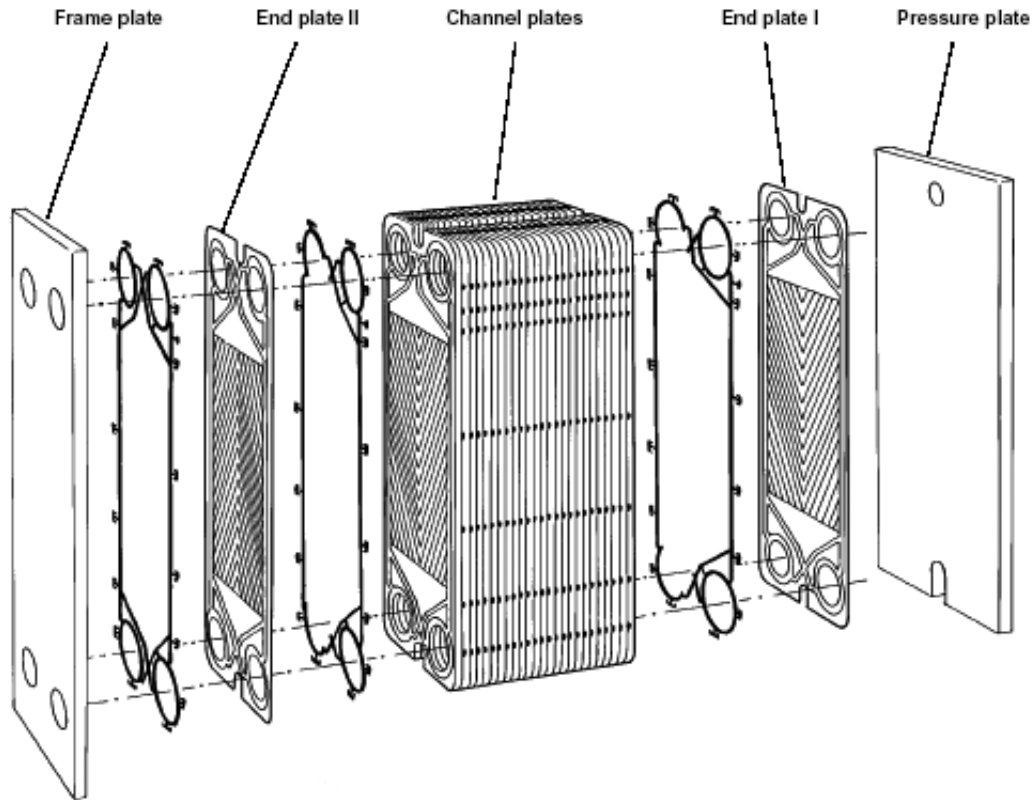
HEAT EXCHANGER						Insulation type A	
Model		Article no.	Price	Plate pack dimension (mm) LxWxH	Weight kg/unit	Article no.	Price
Connections: ISO G 2" externally threaded, length 48 mm. Stud bolts for feet included							
H-channels (B23, B23)							
AlfaNova 76-20H	S	3287050291	2637	116 X 191 X 618	19.2	3236000901	170
AlfaNova 76-30H	S	3287050292	3274	145 X 191 X 618	24.1	3236000901	170
AlfaNova 76-50H	S	3287050293	4551	202 X 191 X 618	34.1	3236000902	178
AlfaNova 76-70H	S	3287050294	5824	259 X 191 X 618	43.8	3236000903	186
AlfaNova 76-80H	S	3287050295	6461	287 X 191 X 618	48.6	3236000903	186

S = Stock unit

EXTRAS		Article no.	Price	Weight kg/unit	Comment / Dimensions
Screw fittings					
DN50 2" Pipe: SS, Nut: CS Gasket included, include 2 pcs	S	3456631701	164	1.1	Welding type. Fits B23.
DN40 2" Pipe: SS, Nut: CS Gasket included, include 2 pcs	S	3456633001	164	1.1	Fits B23. Welding type
Gasket for 2" fitting, include 2 pcs	S	3456639901	5	0.02	
<i>For couplings in Brass/CS, see CB110/CB112</i>					
Adjustable foot					
Adjustable foot Max 60 plates	S	3456090801	229	4.5	Fits all connections. Height adjustable from 400 mm to 600 mm.
Adjustable foot Max 90 plates	S	3456090804	229	4.5	
Adjustable foot Max 120 plates	S	3456090802	229	4.5	
Adjustable foot Max 150 plates	S	3456090803	229	4.5	
Floor support kit					
Max 30 plates Includes 2 feet and 2 nuts. The nuts are mounted on the thread on the connections, and fixes the feet.	S	162965501	135	2.3	Fits ONLY B23,B23 connections
Max 150 plates *) Includes 2 feet. The feet are assembled together in a U-shape. Mounted on the plate package. *) Have to be ordered together with 162965501	S	162965502	55.1	1.7	Fits ONLY B23,B23 connections
Rigid foot					
Rigid foot	S	3456544501	198	3.8	Includes two feet. Note that the unit must be ordered with stud bolts.
Insulation type A					
Polyurethane with blue ABS cover (max temperature 130°C)					
Insulation type A: Max 30 plates	S	3236000901	170	1.3	
Insulation type A: Max 60 plates	S	3236000902	178	1.7	
Insulation type A: Max 90 plates	S	3236000903	186	2.1	
Insulation type A: Max 120 plates	S	3236000904	194	2.6	
Insulation type A: Max 150 plates	S	3236000905	203	2.9	

S = Stock unit

Gasketed heat exchangers



Nonstop performance

Nonstop performance of the plate heat exchanger (PHE) depends on how clean the plates are, and on the PHE:s gasket conditions.

Cleaning

Cleanness, or lack of fouling and scaling is dependent on the medias passing through and how well and frequently the unit is cleaned. A Cleaning-In-Place (CIP) unit can be used when cleaning the unit. Depending of what one expects to find as restraint in the unit one uses different kind of CIP chemicals in order to remove oil and other deposits. When the PHE shows signs of over-heating and/or poor efficiency it is time for CIP. In order to prevent reaching this point one should clean the unit on regular basis in a Preventive Maintenance program.

Spare parts

Depending of duty and environment the gaskets reach a point where they do not function well. The gasket material has reached the end of its operational life time. This is caused by the working environment, as pressure, temperature, time, processing medias, amount of starts and stops. If the heat exchanger is serviced and monitored regularly in a Preventive Maintenance program the unit does not have to start leak or function poor.

Exchange of gaskets shall be performed at regular base, before malfunction as leakage or loss of efficiency occurs.

In order to minimize the risk of emergency shutdowns and loss of production capacity the maintenance stops as CIP and re-gasketing should be well planned ahead. If the PHE process is critical for the installation it could be advisable to have an exchange plate pack in stand-by, is called a strategic plate pack.



Cleaning In Place

Cleanliness, or lack of fouling and scaling is dependent on the media passing through and how well and frequently the unit is cleaned. A Cleaning-In-Place (CIP) unit can be used when cleaning the unit. Depending on what one expects to find as restraint in the unit one uses different kind of CIP chemicals in order to remove oil and other deposits.

Please note that it is important to follow the procedures and instructions that Alfa Laval has issued when cleaning the heat exchanger; the brazed-, welded-, semi-welded- as well as the gasketed heat exchanger.

CIP modules

Model	Article no.	Weight (kg)	Price
CIP 20 230V/50 Hz	3284000501	8	1231
CIP 40 230V/50 Hz	3284000001	15	3616
CIP 40 110V/60 Hz	3284043601	15	3929
CIP 200L 380-415V/50 Hz	969951-00	145	18251
CIP 200L 440-480V/60 Hz	969951-01	145	18251
CIP 200LT Steam	969951-06	145	34878
CIP 200L 380-415V/50 Hz	969951-10	145	17602
CIP 200L 440-480V/60 Hz	969951-11	145	17602
CIP 400L 380-415V/60 Hz	969952-00	235	25945
CIP 400L 440-480V/60 Hz	969952-01	235	25945
CIP 800L 380-415V/50 Hz	969953-00	500	29772
CIP 800L 440-480V/60 Hz	969953-01	500	29177
CIP 800L 380-415V/50 Hz	969953-10	500	31869
CIP 800L 440-480V/60 Hz	969953-11	500	31869
CIP 1800L 380-415V/50 Hz	969954-00	644	40927
CIP 1800L 440-480V/60 Hz	969954-01	644	40927
CIP 1800L 380-415V/50 Hz	969954-10	644	46005
CIP 1800L 440-480V/60 Hz	969954-11	644	46005
CIP 2800L 380-415V/50 Hz	969955-00	788	53644
CIP 2800L 440-480V/60 Hz	969955-01	788	53644

Cleaning chemicals

Model	Article no.	Weight / Volume	Price
Alfa Add	3284001902	5 l	207
Alfa Caus	3180126126	20 l	158
Alfa Neutra	3180126124	20 l	104
Alfa Phos	3180126125	20 l	242
Alfa P-Neutra (powder, 5x0.3 kg bags/pcs, min. qty 42 pcs)	3284000601	5 x 0.3 kg	40
Alfa P-Scale (powder, 5x1 kg bags/pcs, min. qty 17 pcs)	3284000602	5 x 1 kg	94
Alpacon Descalant (To be ordered from DC TUMBA)	179640413	25 l	203
Alpacon Degreaser (To be ordered from DC TUMBA)	179640514	25 l	189

Technical specification standard CIP units

	CIP20	CIP 40	CIP 200 / 400	CIP 800 / 1800 / 2800
Tank volume in liters	20	40	200 / 400	800 / 1800 / 2800
Pump	Rotor	Rotor	Centrifugal	Centrifugal
Flow rate at 3 mwc	1.1 m ³ /h	2.1 m ³ /h	10 m ³ /h	40 m ³ /h
Electrical heater	n/a	n/a	6 kW alt 12 kW	12 kW
Connection	R 3/4"	R 3/4"	DIN 11851, DN 65	DIN 11851, DN 65
Length of hose	Approx. 2 m	Approx. 2 m	4 m	4 m
Voltage	230V/50 Hz	230V/50 Hz 110V/60 Hz	380-415V/50 Hz 440-480V/60 Hz	380-415V/50 Hz 440-480V/60 Hz
Max. operating temp.	60°C	60°C	70°C	70°C
Material	Polymer	Polymer	SS	SS
Weight empty	8 kg	15 kg	145 / 235 kg	500 / 644 / 788 kg
Size (W X L X H) mm	250 x 500 x 350	320 x 730 x 530	1550 x 475 x 1025	1735 x 2160 x 1260



Auxiliary equipment / Tightening devices

No more excuses of not being able to open and service the gasketed PHE exist. There is a universal pneumatic tightening device that eases the opening and closure of the heat exchanger. This one is available in both single and double models. When compressed air is not available an electric tightening device is available. If neither air nor electricity is available a Ratchet spanner is the only tool to use in order to open and close the PHE. Please specify width of the jaws and the measurements over the flats across the bolts.

Model	Description	Article no.	Weight / Volume	Price
Pneumatic tightening devices				
PHETD80: single*	As below	3284042101	20 kg	14412
PHETD80: double**	As below	3284043301	40 kg	27013
Electric tightening devices				
PHE-ETD80	As below	3284043501	23 kg	13363
Socket key				
Socket key 80/75	M48, NV75, M15	3284000401		1408
Socket key 80/60	M39, NV6	3284000402		1148
Socket key 80/46	M30	3284000403		915
Socket key 46/36	M24	3284000404		778
Socket key 80/65		3284000405		1181
Socket key 80/55		3284000406		1014
Other				
Pneumatic wrench unit LMP51 0001-25		3284042201		9852
Adapter		3284042301		1795
Bracket for air handling unit		3284042401		184
Y-piece connector		3284042501		29
Nipple Ergoquick 10	M15 R1½"	3284042601		21
Coupling Ergoquick 10	M15 R1½"	3284042701		141
Set of air hoses	5 m incl. connectors	3284042801		167
Air handling unit with regulator/filter/lubricator		3284042901		649
Lubrication oil		3284043001	1 l	63
Hard box	1140 x 740 x 400 mm	3284043101		215
Gearbox SG80A		3450149401		2553
Safety cover x 2		3284043201		326

* Incl.

3284042401
3284042501
3284042601
3284042701
3284042901

** Incl.

3284042401
3284042501
3284042601
3284042701
3284042901
3284042801

Technical specification tightening devices

	PHETD80	PHE-ETD80
Nut width	80 mm	80 mm
Torque max.	3 270 Nm	3 200 Nm
Speed max.	3.75/9 rpm	6 rpm
Weight per piece	17 kg	23 kg
Max. sound level	79 dB (A)	86 dB (A)
Max. air pressure	6.3 bar	
Min. air pressure	3.0 bar	
Air consumption at NTP	19 l/s	
Size	540 x 250 mm	620 x 320 mm
Voltage		100-250 V / 45-66 Hz
Current max.		10 A



Auxiliary equipment / Tightening devices

Other equipment that will benefit your heat exchanger and help you to service, protect and maintain it are: Ratchet spanners to manually open and close the unit. Filters help you to get a trouble-free operation, increases the operating lifetime for the heat exchanger. There are: An automatic self-cleaning pressure filter, mounted directly on the piping system and removes large particles from the liquid. Or a port filter protecting from intermittent fouling or foreign objects from entering during system start-up.

NEWS: The Alfa Laval nutrunner and thread cleaner is a compressed air powered service tool designed to transport nuts on long threads and to efficiently clean bolt threads from rust and dirt.

Model	Description	Article no.	Weight / Volume	Price
Ratchet spanner				
Socket	Width 24 mm, M16	3222031006	0.6 kg	227
Socket	Width 30 mm, M20, NV30	32220310201	0.6 kg	201
Socket	Width 36 mm, M24	3222031016	1.4 kg	323
Socket	Width 46 mm, M30	3222031015	3.0 kg	358
Socket	Width 50 mm, NW50	3222031003	2.5 kg	604
Socket	Width 60 mm, M39, NV6	3222031017	3.5 kg	330
Socket	Width 70 mm, NW70	3222031005	7.4 kg	1316
Socket	Width 75 mm, M48, NV75, M15	3222031018	7.8 kg	3166
Socket	Width 80 mm, M39, M48, M52 NV80	3222031951	8.0 kg	449
Auxiliaries, touch-up and protection				
PHEN80 Thread cleaner of tightening bolts				
Complete kit NUT RUNNER, thread cleaner		3284046801		3199
Nut runner	Incl. drive unit	3284046802		2117
Spare kit A	Washers, o-rings	3284046808		136
Spare kit B	Cutting edges	3284046809		1217
Socket key	AI 80-46	3284046812		133
Socket key	AI 80-65	3284046814		133
Bolt protection sleeves	M24, per meter	1995101086		10
Bolt protection sleeves	M30, per meter	1995101082		10
Bolt protection sleeves	M39, per meter	1995101079		11
Bolt protection sleeves	M48, per meter	1995101081		14
Glue GC11	2 comp epoxy	3490008393	1 l	424
Glue GC8	Field service 1 comp	3222031793	0.82 l	61
Glue GC1	Adhesive transfer tape	3233084071		14
GC1 gun	Adhesive gun GC1	Tejppistol		287
Thermometers				
Temperature range	10 to 100°C	3224903611		1162
Temperature range	0 to 150°C	3224903613		on request

Training tools	Article no.	Price
Alfa Laval service program PHE reconditioning film (in English on CD for PC & Mac)	PS00005ENCD	11
Do it yourself PHE reconditioning instruction film (in English on CD for PC & Mac)	PS00004ENCD	11
Cleaning-in-Place for heat exchangers - instruction film (in English on CD for PC & Mac)	PS00020EN	11
Heat exchanger service guide (booklet)	VW67222E	20

Model	Minimum flow m³/h	Maximum flow m³/h	Flushing flow m³/h	Comment
Filters, automatic self cleaning				
ALF 10	45	140	25	Please contact your local Alfa Laval representative for quotations.
ALF 20	180	570	95	
ALF 30	400	1300	210	
ALF 40	700	2210	380	
ALF 50	1100	3450	600	
ALF 60	1600	5000	600	

Model	Material	Mesh size	Plate thickness	Design pressure	Comment
Refrigerant distributor					
Available for all plate heat exchangers of M type with porthole size 100 mm and larger					Please contact your local Alfa Laval representative for quotations.
	AISI 316	1.5 mm & 2.33 mm	1.5 mm	10 barg	
Port filters					
Available for all plate heat exchangers of M type with porthole size 100 mm and larger					Please contact your local Alfa Laval representative for quotations.
	AISI 316	1.5 mm & 2.33 mm	1.5 mm	10 barg	

Tubular heat exchangers



Cetecoil R

Cetecoil R is a vertical, tubular type heat exchanger consisting of a spirally spun tube bundle and a collecting chamber built in to a steel shell (see below for material). The heat exchanger is insulated with mineral wool and covered by Alu-structurel plate. The insulation is dismountable.

Cetecoil R is built in accordance with PED.

Material

Tubes AISI 316

Collecting chamber AISI 316

Shell mild steel

	Tube side	Shell side
Design temperature °C	200°C	200°C
Design pressure	16 bar	16 bar

Model	Volume shell (L)	Volume tube (L)	Connection shell (DN)	Connection tube (DN)	Weight (kg)	Article no.	Price
480 - L	11	1	50	50	33	724115	3202
480 - M	15	2	50	50	38	724116	3522
480 - H	19	4	50	50	48	724117	3855
850 - L	12	3	50	50	36	724118	3568
850 - M	18	4	50	50	46	724119	4036
850 - H	25	6	50	50	58	724120	4507
1450 - L	16	4	65	50	47	725052	4815
1450 - M	23	7	65	50	60	725053	5491
1450 - H	30	10	65	50	75	725054	6341
2150 - L	26	10	80	50	85	725099	5971
2150 - M	35	16	80	50	86	725100	6850
2150 - H	42	18	80	50	105	725101	7802
3300 - L	43	14	100	65	102	725399	7556
3300 - M	49	21	100	65	134	725400	8995
3300 - H	59	28	100	65	153	725401	10555
4100 - L	42	16	125	65	110	725402	8176
4100 - M	45	25	125	65	146	725403	9832
4100 - H	53	33	125	65	168	725404	11751
6600 - L	104	29	150	100	231	725884	16423
6600 - M	128	37	150	100	282	725885	19272
6600 - H	158	43	150	100	333	725886	22372
8200 - L	103	38	150	125	245	725887	19824
8200 - M	124	47	150	125	304	725888	23189
8200 - H	152	55	150	125	361	725889	27044


Cetecoil S

Cetecoil S is a vertical, tubular type heat exchanger consisting of a spirally spun tube bundle and a collecting chamber built in to a steel shell (see below for material). All connections are flanged. The heat exchanger is insulated with mineral wool and clad with Aluminium structural plate and has adjustable feet.

Cetecoil S is built in accordance with PED.

Material

Tubes AISI 316
Collecting chamber mild steel
Shell carbon mild steel

	Tube side	Shell side
Design temperature °C	200°C	200°C
Design pressure	25 bar	16 bar

Model	Volume shell (L)	Volume tube (L)	Connection shell (DN)	Connection tube (DN)	Weight (kg)	Article no.	Price
480 - L	11	1	50	50	33	724122	3067
480 - M	15	2	50	50	38	724123	3397
480 - H	19	4	50	50	48	724124	3742
850 - L	12	3	50	50	36	724125	3444
850 - M	18	4	50	50	46	724126	3929
850 - H	25	6	50	50	58	724127	4418
1450 - L	16	4	65	50	47	725234	4347
1450 - M	23	7	65	50	60	725235	5173
1450 - H	30	10	65	50	75	725236	6027
2150 - L	26	10	80	50	65	725183	5501
2150 - M	35	16	80	50	86	725184	6349
2150 - H	42	18	80	50	105	725185	7528
3300 - L	43	14	100	65	102	725818	5919
3300 - M	49	21	100	65	134	725819	7361
3300 - H	59	28	100	65	153	725820	8923
4100 - L	42	16	125	65	110	725821	6544
4100 - M	45	25	125	65	146	725822	8200
4100 - H	53	33	125	65	168	725823	10119
6600 - L	104	29	150	125	236	725907	12545
6600 - M	128	37	150	125	287	725908	14942
6600 - H	158	43	150	125	338	725909	18045
8200 - L	103	38	150	125	253	725910	14052
8200 - M	124	47	150	125	312	725911	17417
8200 - H	152	55	150	125	369	725912	21266



Cetecoil E

Cetecoil E is a vertical, tubular type heat exchanger consisting of a spirally spun tube bundle and a collecting chamber built in to a steel shell (see below for material). All connections are flanged. The heat exchanger is insulated with mineral wool and clad with Aluminium structural plate and has adjustable feet.

Cetecoil E is built in accordance with PED.

Material

Tubes AISI 316

Collecting chamber AISI 316

Shell AISI 316

	Tube side	Shell side
Design temperature °C	200°C	200°C
Design pressure	16 bar	16 bar

Model	Volume shell (L)	Volume tube (L)	Connection shell (DN)	Connection tube (DN)	Weight (kg)	Article no.	Price
480 - L	11	1	50	50	33	724129	5740
480 - M	15	2	50	50	38	724130	6402
480 - H	19	4	50	50	48	724131	7110
850 - L	12	3	50	50	36	724132	6350
850 - M	18	4	50	50	46	724133	7409
850 - H	25	6	50	50	58	724134	8468
1450 - L	16	4	65	50	47	725226	7764
1450 - M	23	7	65	50	60	725227	9171
1450 - H	30	10	65	50	75	725228	10875
2150 - L	26	10	80	50	65	725188	10376
2150 - M	35	16	80	50	86	725189	12156
2150 - H	42	18	80	50	105	725190	14141
3300 - L	43	14	100	65	102	725484	11818
3300 - M	49	21	100	65	134	725485	14052
3300 - H	59	28	100	65	153	725486	16468
4100 - L	42	16	100	65	110	725487	12370
4100 - M	45	25	100	65	146	725488	14715
4100 - H	53	33	100	65	168	725489	17407
6600 - L	104	29	150	125	231	725490	19456
6600 - M	128	37	150	125	282	725491	23146
6600 - H	158	43	150	125	333	725492	27151
8200 - L	103	38	150	125	245	725493	22345
8200 - M	124	47	150	125	304	725494	26300
8200 - H	152	55	150	125	361	725495	30799


Cetetube

Cetetube is a vertical, tubular type heat exchanger consisting of a bundle of spirally spun, finned copper tubes inside a carbon steel shell. The heat exchanger is insulated by mineral wool covered by an Alu-structural plate. The insulation is dismountable.

Cetetube is built in accordance with PED.

Material

Tubes copper
Shell carbon mild steel

	Tube side	Shell side
Design temperature °C	150°C	150°C
Design pressure	25 bar	16 bar

Model	Volume shell (L)	Volume tube (L)	Connection shell (DN)	Connection tube (DN)	Weight (kg)	Article no.	Price
460 - M	8	3	40	25	48	720211	2625
460 - H	9	4	40	25	55	720213	2925
460 - EH	13	5	40	25	60	720214	3290
700 - M	12	4	50	32	75	720102	2988
700 - H	16	5	50	32	95	720104	3281
700 - EH	21	6	50	32	105	720105	3878
1050 - M	50	9	65	50	125	720033	4545
1050 - H	58	11	65	50	135	720035	5190
1050 - EH	73	14	65	50	150	720036	6036
1400 - M	50	50	65	50	130	720047	4545
1400 - H	58	58	65	50	140	720053	5190
1400 - EH	73	73	65	50	155	720056	6036
2100 - M	45	12	65	50	135	720048	5346
2100 - H	53	15	65	50	150	720054	6293
2100 - EH	66	19	65	50	165	720057	7469
2800 - M	41	14	65	50	150	720049	6175
2800 - H	46	19	65	50	160	720055	7508
2800 - EH	57	22	65	50	175	720058	8905
3500 - M	95	20	125	65	260	720111	9106
3500 - H	111	25	125	65	285	720119	10698
3500 - EH	135	32	125	65	315	720076	12663
4200 - M	90	23	125	65	270	720112	9907
4200 - H	106	29	125	65	300	720120	11802
4200 - EH	132	32	125	65	315	720124	14096

Air heat exchangers

Air heat exchangers – AlfaBlue Junior Dry Coolers - Single fan row

AlfaBlue Junior Dry Coolers - Single fan row

Prices

The model is ready to be delivered: completely assembled, in vertical position, on a pallet or crate, protected by a plastic film, ex-works factory. The Dry Cooler includes: the coil, manifolds with threaded connections, fan motors, caseworks. This version is ready to be installed in vertical position (air flow is horizontal) or in horizontal adding the support kit feet (see the ACCESSORIES page). Wiring has to be done by customer cabling all fans; this can be avoid adding the electrical components (see the ACCESSORIES page).

Coil options

- OIL: Version available as oil cooler with PS = 27 bar.
- EP: Epoxy coated aluminium fins.
- F-C: F-coat treatment
- SWR: Sea water resistant,(Industrial or sea coast applications).
- IF: Industrial fin
- BY: Blygold treatment
- CU: Copper fin

Model	Series				Coil options Extra price EUR						
	S	L	Q	R **	OIL	EP	F-C	SWR	IF	BY	CU
Ø 500 (400V/3Ph - 50 Hz) - ERP 2015											
DG_501A	1147	1147	1147		98	119	177	64	37	235	456
DG_501B	1316	1316	1316		108	135	227	74	42	314	637
DG_501C	1474	1474	1474		118	148	278	83	47	393	819
DG_502A	1881	1881	1881		196	240	353	129	73	469	913
DG_502B	2269	2269	2269		215	271	455	148	84	629	1275
DG_502C	2537	2537	2537		238	299	556	168	97	788	1637
DG_503A	2777	2777	2777		291	359	530	192	110	703	1369
DG_503B	3307	3307	3307		323	406	682	224	128	943	1913
DG_503C	3734	3734	3734		356	448	834	251	144	1181	2457
DG_504B	4404	4404	4404		431	542	909	298	170	1258	2549
DG_504C	4854	4854	4854		474	597	1112	334	192	1577	3276
Ø 630 (400V/3Ph - 50 Hz) - ERP 2015											
DG_631A	1844	1844	1844	1844	111	141	216	97	56	297	562
DG_631B	2135	2135	2135	2135	128	164	286	110	63	408	656
DG_631C	2402	2402	2402		141	183	357	121	70	518	732
DG_632A	2816	2816	2816	2816	220	281	432	192	110	593	1124
DG_632B	3266	3266	3266	3266	254	328	573	219	127	815	1311
DG_632C	3634	3634	3634		282	366	714	243	140	1036	1464
DG_633A	4191	4191	4191	4191	332	421	648	288	166	890	1687
DG_633B	4882	4882	4882	4882	383	491	859	330	188	1223	1967
DG_633C	5416	5416	5416		423	549	1071	364	210	1554	2195
DG_634A	5494	5494	5494	5494	444	562	864	385	219	1187	2248
DG_634B	6439	6439	6439	6439	510	656	1145	440	252	1629	2622
DG_634C	7177	7177	7177		563	732	1428	486	280	2072	2927
DG_635A	7514	7514	7514	7514	555	702	1080	482	275	1483	2810
DG_635B	8411	8411	8411	8411	637	819	1433	550	315	2037	3278
DG_635C	9022	9022	9022		703	916	1785	607	349	2589	3661
DG_636A	9326	9326	9326	9326	664	844	1297	577	330	1779	3371
DG_636B	10418	10418	10418	10418	764	984	1720	660	378	2444	3934
DG_636C	11427	11427	11427		845	1098	2142	729	419	3109	4392

***) Available "Y" fan motor connection



Accessories and options

Axial fan motor				
Model		Price		
		S	L	Q
Ø 500	230V/1ph/50Hz	NEP	NEP	NEP
	230V/1ph/60Hz	NEP	NEP	NEP
	400V/3ph/50Hz	NEP	NEP	NEP
	400V/3ph/60Hz	53	NEP	NEP
Ø 630	400V/3ph/50Hz	NEP	NEP	NEP
	400V/3ph/60Hz	227	NEP	NEP

NEP: no extra price

Model	AC Electrical options								
	SW	EMC	CB	FT (230V/1ph)			FT (400V/3ph)		
				S	L	Q	S	L	Q
501	139	188	382	474	474	474	1145	1145	1145
502	278	378	382	503	516	516	1204	1204	1204
503	416	568	438	558	558	558	1268	1268	1268
504	556	756	553	1004	599	599	1338	1338	1338
631	139	188	382				1183	1183	1183
632	277	378	382				1241	1241	1241
633	416	568	438				1305	1305	1305
634	555	756	553				1368	1368	1368
635	693	946	648				1560	1445	1445
636	832	1134	882				1630	1515	1515

SW: Local safety switch

EMC: Local safety switch EMC

CB: Terminal box

B: Basic switch board

BFT: Basic switch board + fan speed control press.

FT: Fan speed control

EC technology fans		Price
		EC fan not wiring
Ø 500	380-460V/3/50-60Hz	659
Ø 630	380-460V/3/50-60Hz	789

Always specify type unit programming required

Extra price for each fan.

EC Electrical options	
Model	Price
	EC CB
501	155
502	310
503	464
504	618
631	161
632	320
633	482
634	642
635	802
636	962

The price option is intended for single unit.

EC CB: EC Terminal box



Support kit options					
Model	Cover Galvanized steel	Feet			Vibration dampers
		Article no.	H	Price	Price
501	81	10999364	420 mm	144	171
502	81	10999364	420 mm	144	171
503	81	10999364	420 mm	144	171
504	81	10999365	420 mm	203	417
631	111	10999461	500 mm	125	171
632	111	10999461	500 mm	125	171
633	111	10999461	500 mm	125	171
634	111	10999462	500 mm	185	417
635	111	10999463	500 mm	247	557
636	111	10999463	500 mm	247	557

The price option is intended for single unit.

Flanges AL/SS			
These loose flanges are connected to the manifold. Price for couple of connections:	Connection	Article no.	Price
	DN15	1/2" - 1/2"	10999641
DN20	3/4" - 3/4"	10999642	95
DN25	1" - 1"	10999643	110
DN32	1"1/4 - 1"1/4	10999644	121
DN40	1"1/2 - 1"1/2	10999645	138
DN50	2"1/2 - 2"1/2	10999646	162
DN65	2" - 2"	10999647	184
DN80	3" - 3"	10999648	220
DN100	4" - 4"	10999649	344



AlfaBlue Dry coolers - Single fan row

Prices

T, S, L, Q, R Standard Noise Level Fan Motor: 400V/3Ph - 50Hz for diameter 800, 910 and 1000 mm.

V: Basic Unit Vertical Transport. The model is delivered: completely assembled, in vertical position (air flow is horizontal), on a pallet, protected by a plastic film, ex-works Alonte (Vicenza Italy).

The AlfaBlue includes: the coil, manifolds, fan motors, caseworks. Wiring has to be done by customer cabling all fans; this can be avoid adding the electrical components (see the ACCESSORIES page).

H: Basic Unit Horizontal Transport. This version is ready to be installed in horizontal position (air flow is vertical) with the support feet mounted (H = 500 mm). Wiring has to be done by customer cabling all fans; this can be avoid adding the electrical components (see the ACCESSORIES page).

Coil options

- BDMY: BDM with SS tubes.
- EP: Epoxy coated aluminium fins.
- F-C: F-coat treatment
- OIL: version available as oil cooler with PS = 30 bar.
- SWR: Sea water resistant
- IF: Industrial fin
- BY: Blygold treatment
- CU: Copper fin

Series	T		S		L		Q		R**		Coil options Extra price EUR								
	Position	V	H	V	H	V	H	V	H	V	H	BDMY	OIL	EP	F-C	SWR	IF	BY	CU
Ø 630 (400V/3Ph - 50 Hz) - ERP 2015																			
BDM_631A	-	-	3434	4096	3190	3852	3168	3830	3834	4497	955	157	233	357	199	100	518	1624	
BDM_631B	-	-	3803	4464	3559	4220	3535	4197	4201	4864	1697	174	256	499	217	109	739	1793	
BDM_631C	-	-	4452	5114	4207	4870	4184	4845	4850	5512	2315	192	282	639	244	123	959	1973	
BDM_631D	-	-	4629	5292	4385	5047	4361	5024	5026	5690	2978	216	316	779	262	131	1179	2215	
BDM_632A	-	-	5029	5646	4540	5158	4496	5114	5829	6446	1061	315	464	716	398	199	1036	3250	
BDM_632B	-	-	5536	6152	5048	5665	5002	5622	6335	6954	1751	349	512	996	436	217	1477	3585	
BDM_632C	-	-	6031	6647	5541	6159	5496	6113	6828	7445	2334	385	563	1277	489	244	1918	3947	
BDM_632D	-	-	6718	7334	6229	6847	6185	6801	7517	8133	2864	434	632	1557	524	262	2360	4428	
BDM_633A	-	-	7308	7875	6576	7143	6510	7075	8508	9073	1569	472	697	1073	596	298	1554	4874	
BDM_633B	-	-	8033	8601	7300	7869	7235	7801	9232	9799	2016	524	769	1495	655	328	2217	5380	
BDM_633C	-	-	8819	9385	8090	8655	8021	8588	10018	10585	2546	577	846	1916	733	367	2877	5918	
BDM_633D	-	-	9060	9624	8325	8892	8259	8827	10259	10824	2971	650	949	2336	786	392	3539	6642	
BDM_634A	-	-	9622	10563	8648	9587	8557	9498	11221	12161	1649	629	928	1431	793	398	2073	6498	
BDM_634B	-	-	10482	11423	9508	10445	9417	10356	12082	13021	2122	699	1025	1992	873	436	2955	7173	
BDM_634C	-	-	11585	12524	10610	11550	10519	11460	13183	14122	2758	771	1128	2553	979	489	3838	7892	
BDM_634D	-	-	13015	13952	12039	12977	11948	12887	14612	15553	3395	868	1265	3115	1049	524	4718	8855	
630 Long (400V/3Ph - 50 Hz) - ERP 2015																			
BDM_631AL	-	-	3918	4572	3674	4327	3651	4306	4318	4972	1209	157	233	437	199	100	643	1624	
BDM_631BL	-	-	4323	4978	4078	4734	4058	4710	4724	5377	2010	174	256	616	217	109	925	1793	
BDM_631CL	-	-	4716	5371	4472	5127	4452	5106	5117	5772	2600	192	282	797	244	123	1207	1973	
BDM_631DL	-	-	5267	5921	5023	5679	5000	5655	5665	6321	3183	216	316	976	262	131	1490	2215	
BDM_632AL	-	-	5770	6366	5283	5879	5238	5834	6570	7166	1167	315	464	874	398	199	1284	3250	
BDM_632BL	-	-	6352	6946	5864	6458	5820	6413	7150	7746	1910	349	512	1234	436	217	1850	3585	
BDM_632CL	-	-	6981	7576	6495	7088	6449	7043	7781	8375	2546	385	563	1593	489	244	2414	3947	
BDM_632DL	-	-	7784	8379	7295	7891	7251	7847	8584	9178	3183	434	632	1953	524	262	2980	4428	
BDM_633AL	-	-	7657	8211	6924	7480	6857	7412	8854	9410	2095	472	697	1311	596	298	1928	4874	
BDM_633BL	-	-	8342	8896	7610	8166	7542	8098	9540	10095	2640	524	769	1850	655	328	2775	5380	
BDM_633CL	-	-	9225	9781	8494	9049	8425	8982	10424	10979	3032	577	846	2390	733	367	3623	5918	
BDM_633DL	-	-	10436	10991	9704	10260	9639	10193	11636	12191	3617	650	949	2929	786	392	4470	6642	

**) EC fan motors only

Air heat exchangers – AlfaBlue Dry coolers - Single fan row

T, S, L, Q, R Standard noise level fan motor.

V: basic unit vertical transport.

H: basic unit horizontal transport.

Coil options

- DBMY: BDM with SS tubes.
- EP: Epoxy coated aluminium fins.
- F-C: F-coat treatment
- OIL: version available as oil cooler with PS = 30 bar.
- SWR: Sea water resistant
- IF: Industrial fin
- BY: Blygold treatment
- CU: Copper fin

Series	T		S		L		Q		R**		Coil options Extra price EUR								
	Position	V	H	V	H	V	H	V	H	V	H	DBMY	OIL	EP	F-C	SWR	IF	BY	CU
Ø 800 (400V/3Ph - 50 Hz) - ERP 2015																			
BDM_801A	-	-	4482	5118	4413	5048	4391	5025	5029	5664	1485	224	320	625	276	138	930	2250	
BDM_801B	-	-	4952	5587	4884	5518	4860	5496	5500	6134	2175	249	355	892	310	155	1350	2488	
BDM_801C	-	-	5437	6072	5368	6003	5346	5980	5985	6619	2883	293	417	1160	341	170	1772	2921	
BDM_801D	-	-	6037	6670	5969	6602	5944	6580	6585	7218	3342	327	469	1427	379	188	2192	3281	
BDM_802A	-	-	7523	8101	7385	7964	7341	7919	8619	9196	1379	447	643	1249	551	276	1862	4499	
BDM_802B	-	-	8264	8843	8126	8706	8081	8661	9360	9938	2016	499	712	1784	618	310	2702	4976	
BDM_802C	-	-	9090	9667	8951	9532	8907	9484	10185	10764	2758	586	834	2321	681	341	3542	5841	
BDM_802D	-	-	10178	10756	10040	10619	9995	10574	11274	11852	3630	655	936	2855	758	379	4383	6562	
BDM_803A	-	-	10645	11134	10438	10928	10369	10861	12288	12777	3077	671	963	1876	827	414	2792	6749	
BDM_803B	-	-	12345	12835	12138	12627	12070	12561	13989	14478	3591	748	1066	2678	928	464	4053	7464	
BDM_803C	-	-	13522	14012	13318	13806	13249	13740	15167	15657	3966	879	1250	3479	1020	510	5314	8763	
BDM_803D	-	-	14685	15174	14479	14969	14413	14901	16330	16819	4295	981	1406	4282	1136	569	6574	9842	
BDM_804A	-	-	13958	14783	13681	14507	13592	14418	16149	16974	3713	894	1284	2501	1103	551	3722	8998	
BDM_804B	-	-	16138	16965	15865	16690	15774	16599	18331	19157	4485	998	1421	3570	1237	618	5403	9953	
BDM_804C	-	-	17356	18182	17082	17906	16991	17817	19549	20373	4833	1172	1668	4640	1360	681	7084	11683	
BDM_804D	-	-	19601	20428	19329	20155	19237	20063	21795	22620	5305	1308	1875	5709	1516	758	8765	13122	
BDM_805A	-	-	17589	18035	17248	17691	17135	17579	19691	20774	4350	1119	1606	3125	1379	690	4654	11248	
BDM_805B	-	-	19319	20465	18977	20121	18864	20008	22061	23205	5378	1246	1777	4462	1547	774	6755	12441	
BDM_805C	-	-	21821	22965	21478	22622	21365	22511	24561	25707	5699	1464	2086	5800	1701	850	8856	14604	
BDM_805D	-	-	24648	25790	24303	25448	24191	25335	27387	28532	6314	1635	2343	7137	1895	948	10957	16404	
Ø 910 (400V/3Ph - 50 Hz) - ERP 2015																			
BDM_901A	-	-	4905	5528	4878	5503	4883	5507	5517	6142	1698	224	320	754	276	138	1121	2250	
BDM_901B	-	-	5347	5971	5321	5945	5325	5949	5960	6584	2377	249	355	1074	310	155	1624	2488	
BDM_901C	-	-	6148	6771	6122	6747	6125	6751	6759	7384	3183	293	417	1395	341	170	2128	2921	
BDM_901D	-	-	6510	7133	6484	7109	6487	7112	7122	7746	3658	327	469	1717	379	188	2632	3281	
BDM_902A	-	-	8625	9163	8574	9112	8583	9120	9851	10389	1719	447	643	1509	551	276	2241	4499	
BDM_902B	-	-	9544	10080	9494	10032	9502	10039	10770	11306	2237	499	712	2150	618	310	3250	4976	
BDM_902C	-	-	10606	11145	10556	11095	10566	11102	11833	12370	3079	586	834	2791	681	341	4257	5841	
BDM_902D	-	-	12012	12550	11960	12498	11970	12508	13238	13776	3957	655	936	3432	758	379	5265	6562	
BDM_903A	-	-	11880	12334	11804	12259	11816	12271	13719	14173	3289	671	963	2263	827	414	3362	6749	
BDM_903B	-	-	13142	13598	13068	13520	13078	13531	14980	15432	3819	748	1066	3224	928	464	4874	7464	
BDM_903C	-	-	14627	15081	14551	15004	14562	15017	16464	16919	4191	879	1250	4186	1020	510	6386	8763	
BDM_903D	-	-	17194	17646	17116	17571	17128	17583	19029	19486	4509	981	1406	5149	1136	569	7897	9842	
BDM_904A	-	-	15861	16638	15760	16539	15774	16555	18310	19090	4138	894	1284	3017	1103	551	4483	8998	
BDM_904B	-	-	17543	18322	17442	18221	17459	18236	19993	20773	4774	998	1421	4299	1237	618	6498	9953	
BDM_904C	-	-	19681	20459	19580	20359	19595	20375	22131	22910	5092	1172	1668	5583	1360	681	8514	11683	
BDM_904D	-	-	21575	22354	21477	22253	21492	22272	24027	24807	5623	1308	1875	6865	1516	758	10530	13122	

**) EC fan motors only

Series	T		S		L		Q		R		Coil options Extra price EUR								
	Position	V	H	V	H	V	H	V	H	V	H	DBMY	OIL	EP	F-C	SWR	IF	BY	CU
Ø 1000 (400V/3Ph - 50 Hz) - ERP 2015																			
BDM_1001A	5623	6248	5623	6248	5565	6190	5107	5733	5071	5694	1698	224	320	754	276	138	1121	2250	
BDM_1001B	6066	6690	6066	6690	6008	6633	5551	6175	5515	6139	2377	249	355	1074	310	155	1624	2488	
BDM_1001C	6866	7490	6866	7490	6809	7432	6351	6975	6314	6937	3183	293	417	1395	341	170	2128	2921	
BDM_1001D	7228	7852	7228	7852	7171	7794	6713	7339	6677	7301	3658	327	469	1717	379	188	2632	3281	
BDM_1002A	10060	10600	10060	10600	9946	10484	9029	9569	8957	9494	1719	447	643	1509	551	276	2241	4499	
BDM_1002B	10978	11516	10978	11516	10863	11401	9948	10487	9874	10411	2237	499	712	2150	618	310	3250	4976	
BDM_1002C	12043	12580	12043	12580	11927	12466	11012	11550	10938	11476	3079	586	834	2791	681	341	4257	5841	
BDM_1002D	13447	13985	13447	13985	13332	13871	12417	12955	12344	12881	3957	655	936	3432	758	379	5265	6562	
BDM_1003A	14058	14512	14058	14512	13886	14341	12512	12967	12402	12856	3289	671	963	2263	827	414	3362	6749	
BDM_1003B	15319	15774	15319	15774	15147	15602	13772	14228	13664	14117	3819	748	1066	3224	928	464	4874	7464	
BDM_1003C	16804	17259	16804	17259	16632	17087	15258	15713	15147	15601	4191	879	1250	4186	1020	510	6386	8763	
BDM_1003D	19371	19825	19371	19825	19199	19653	17825	18278	17714	18170	4509	981	1406	5149	1136	569	7897	9842	
BDM_1004A	18731	19508	18731	19508	18501	19279	16667	17448	16521	17301	4138	894	1284	3017	1103	551	4483	8998	
BDM_1004B	20412	21191	20412	21191	20183	20963	18350	19130	18204	18983	4774	998	1421	4299	1237	618	6498	9953	
BDM_1004C	22550	23328	22550	23328	22320	23099	20488	21268	20341	21121	5092	1172	1668	5583	1360	681	8514	11683	
BDM_1004D	24445	25224	24445	25224	24216	24995	22385	23163	22237	23016	5623	1308	1875	6865	1516	758	10530	13122	



Air heat exchangers AlfaBlue Dry coolers – Accessories and options

Accessories and options

Axial fan motor				
Model		Price		
		S	L	Q
Fan motor 400V/3ph-60 Hz, IP54, 460V/3ph-60 Hz, IP54, Extra price for each fan.	Ø 630	185	37	59
	Ø 800	499	NEP	NEP
	Ø 910	238	330	231
	Ø 1000	NEP	-	NEP
NEP: No extra price				
Explosion-proof fan motor				
On request				

AC Electrical options													
Model	Price												
	SW	EMC	CB	Switch board									
				B	BS	BT	BST	BFT			BSFT		
								T	S	L	T	S	L
BDM													
631	139	188	304	2327	2629	3008	3270	-	3667	3667	-	3929	3929
632	278	378	381	2327	2629	3008	3270	-	3901	3901	-	4166	4166
633	416	569	744	2544	3223	3184	3526	-	4144	4144	-	4447	4447
634	556	757	1041	3468	3884	4110	4527	-	3672	5070	-	3975	5372
631L	139	188	304	2327	2629	3008	3270	-	3667	3667	-	3929	3929
632L	278	378	381	2327	2629	3008	3270	-	3901	3901	-	4166	4166
633L	416	569	744	2544	3223	3184	3526	-	4144	4144	-	4447	4447
801	139	188	376	2093	2358	2769	2995	-	3672	3672	-	3899	3899
802	278	378	614	2332	2633	3008	3270	-	3928	3928	-	4194	4194
803	416	569	742	2552	3233	3186	3527	-	4225	4187	-	4528	4492
804	556	757	1068	3489	3902	4112	4529	-	5171	5136	-	5474	5437
805	694	947	1178	3749	4239	4352	4807	-	5687	5457	-	6028	5799
901	139	188	387	2093	2358	2773	2998	-	3680	3680	-	3907	3907
902	278	378	596	2332	2633	3011	3277	-	3939	3939	-	4202	4202
903	416	569	742	2552	3233	3195	3536	-	4253	4214	-	4555	4517
904	556	757	1068	3489	3902	4129	4543	-	5210	5171	-	5512	5474
1001	139	188	387	2093	2358	2773	2998	3680	3680	3680	3907	3907	3907
1002	278	378	596	2332	2633	3011	3277	3976	3939	3939	4239	4202	4202
1003	416	569	742	2552	3233	3195	3536	4859	4253	4253	5160	4555	4555
1004	556	757	1068	3489	3902	4129	4543	5928	5210	5438	6229	5512	5739

The price option is intended for single unit. For all these option the equipment is cabled to the electric motors terminal box. Noise Level: T, S, L, Q, R

SW: Local safety switch

BS: Basic switch board + signal

BST: Basic switch board + signal + fan step control temp.

EMC: Local safety switch EMC

CB: Terminal box

BFT: Basic switchboard + fan speed control temp. C option included

B: Basic switch board

BT: Basic switchboard + fan step control temp.

BSFT: Basic switchboard + signal + fan speed control temp. C option included

Switch board options	
Option to be added to the switch board.	All models
R Anti-condensate resistor 230Vac (Max operating temperature -25°C)	311
C Cooling fan 230Vac (max. operating temperature + 50°C)	347
F Cooling fan + Anti-condensate resistor (operating temperature -25 + 50°C)	658

Air heat exchangers

AlfaBlue Dry coolers – Accessories and options

Model	Price				
	BI				
	T	S	L	Q	R
BDM					
631	-	-	-	-	-
632	-	-	-	-	-
633	-	4784	3516	3516	-
634	-	5290	3981	3810	-
631L	-	-	-	-	-
632L	-	-	-	-	-
633L	-	4803	3536	3536	-
801	-	-	-	-	-
802	-	-	-	-	-
803	-	4594	3724	3555	-
804	-	5140	4911	4042	-
805	-	5902	5460	4593	-
901	-	-	-	-	-
902	-	-	-	-	-
903	-	4611	3743	3572	-
904	-	5171	4943	3904	-
1001	-	-	-	-	-
1002	-	-	-	-	-
1003	5053	4611	4611	3743	3572
1004	7040	5171	5171	4074	4074

BI Inverter equipment + switchboard by Ziehl-Abegg with integrated Sinus Filter (shielded cable not required). Operating temperature range: -20/+55°C (the equipment have to be always powered).

BI/BIC Options	
Option to be added to the switch board.	All models
R Anti-condensate resistor 230Vac (Max operating temperature -25°C)	311
C Cooling fan 230Vac (max. operating temperature + 50°C)	Already included

EC technology fans	Model	Price				
		EC fan not wiring				
		T	S	L	Q	R
380-460V/3/50-60Hz Extra price for each fan	Ø 630	-	748	665	665	-
	Ø 630L	-	748	665	665	-
	Ø 800	-	748	589	589	-
	Ø 910	-	764	764	539	-
	Ø 1000	327	327	327	856	856

Always specify type unit programming required
NEP: No extra price, NA = Not Available

EC Electrical options				
Model	Price			
	EC CB	EC CB2	BEC	BEC2
BDM				
631	439	519	1346	1427
632	519	599	1455	1535
633	599	679	1569	1649
634	779	859	1685	1764
631L	439	519	1346	1427
632L	519	599	1455	1535
633L	599	679	1569	1649
801	439	519	1346	1427
802	519	599	1455	1535
803	599	679	1569	1649
804	779	859	1685	1764
805	859	940	1791	1872
901	439	519	1346	1427
902	519	599	1455	1535
903	599	679	1569	1649
904	779	859	1685	1764
1001	439	519	1346	1427
1002	519	599	1455	1535
1003	599	679	1569	1649
1004	779	859	1685	1764

The price option is intended for single unit.

For all these option the equipment is cabled to the electric motors terminal box.

Noise Level: T, S, L, Q, R

EC CB: Parallel connection box 0-10V signal

BEC: Parallel switchboard 0-10V signal

EC CB2: Master/slave connection box with temperature signal

BEC2: Master/slave switchboard with temperature signal



Air heat exchangers AlfaBlue Dry coolers – Accessories and options

Model	Support kit options						Vibration dampers Price
	Feet						
	H850 mm		H500 mm		A		
Article no.	Price	Article no.	Price	Article no.	Price	Price	
631	10999206	551	10999203	392	10999209	414	171
632	10999206	551	10999203	392	10999209	414	171
633	10999206	551	10999203	392	10999209	414	171
634	10999207	796	10999204	558	10999210	590	417
631L	10999206	551	10999203	392	10999209	414	171
632L	10999206	551	10999203	392	10999209	414	171
633L	10999206	551	10999203	392	10999209	414	171
801	10999206	551	10999203	392	10999209	414	171
802	10999206	551	10999203	392	10999209	414	171
803	10999206	551	10999203	392	10999209	414	171
804	10999207	796	10999204	558	10999210	590	417
805	10999208	1042	10999205	724	10999211	768	557
901	10999206	551	10999203	392	10999209	414	171
902	10999206	551	10999203	392	10999209	414	171
903	10999206	551	10999203	392	10999209	414	280
904	10999207	796	10999204	558	10999210	590	417
1001	10999206	551	10999203	392	10999209	414	171
1002	10999206	551	10999203	392	10999209	414	171
1003	10999206	551	10999203	392	10999209	414	280
1004	10999207	796	10999204	558	10999210	590	417

The price option is intended for single unit.

Kit of support feet:

V: Vertical position

H: Horizontal position

A: Feet adjustable from 350 to 950 mm


The vibration dampers are delivered without bolts and nuts.

NEP: No extra price


Flanges stainless steel		
These loose flanges are connected to the manifold. Price for couple of connections:	Connection	Price
PN16 DN32 - AISI	1"	328
PN16 DN40 - AISI	1"1/2	353
PN16 DN50 - AISI	2"	440
PN16 DN65 - AISI	2"1/2	538
PN16 DN80 - AISI	3"	625
PN16 DN100 - AISI	4"	682

Air heaters and door curtains


Air heaters and door curtains


HEL	Model	Article no.	Price
Air heaters suitable for wind chambers for small premises, and for local heating of small industrial premises, exhibition halls etc.			
	1	9460065032	809
	2	9460065033	1276
	PS	9460004694	193

PS = Fan speed controller

HEV	Model	Article no.	Price
Door curtains to reduce draft and save heating energy in business premises, shops, loading spaces etc.			
	110	9460065027	1739
	215	9460065028	2513
	320	9460065029	3122
	NV	9460004793	126
	SK	9460012591	152

NV = Fan speed controller
SK = Wall mounting bracket

HMP	Model	Article no.	Price
Air heaters suitable for heating of entrances in larger premises, for heating of stores and parking houses, as well as for industrial halls requiring a long air throw.			
	HMP-40-4D/4Y(1400 rpm)	9460065014	910
	HMP-40-6D/6Y	9460065015	910
	HMP-50-4D/4Y	9460065016	1191
	HMP-50-6D/6Y	9460065017	1191
	Air cone K-40	9460035337	110
	Air cone K-50	9460068151	110

HKP	Model	Article no.	Price
Air heaters in a wide variety of sizes, capacities and material alternatives. Especially suitable for heating of production plants.			
	HKP-35-4D/4Y	9460065020	1423
	HKP-35-6D/6Y	9460065021	1423
	HKP-45-4D/4Y	9460065022	1491
	HKP-45-6D/6Y	9460065023	1491
	HKP-56-4D/4Y	9460065024	1782
	HKP-56-6D/6Y	9460065025	1782
	AK	9460012248	82

AK = Wall mounting bracket

4D = 1400 rpm (factory setting)
4Y = 1150 rpm
6D = 900 rpm (factory setting)
6Y = 700 rpm

Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineered solutions.

Our equipment, systems and services are dedicated to helping customers optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

How to contact Alfa Laval

Scan to learn more about Alfa Laval refrigeration solutions and find a distributor near you. Or you can always get up-to-date Alfa Laval contact details for all countries at www.alfalaval.com/contact-us

**Alfa Laval
Industrial Equipment Segment
Market Unit Comfort/HVAC**



www.alfalaval.com/hvac

