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1.2 Brazed Heat Exchangers

The Brazed heat exchangers from Alfa Laval are the perfect heat exchangers for utilities like heating-water or steam.



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		Brazed							Air Products	Contherm®		
		CB14	CB20	CB26/27	CB51/52	CB76/77/78	NB26	NB76	Liquid coolers	6 X 3	6 X 6	6 X 9
Main Duties												
Dairy	Milk cooling											
	Milk/cream pasteurization											
	Cultured milk cooling											
	Whey pasteurization											
	Ice cream pasteurization											
Brewery	Wort cooling											
	Beer cooling									•	•	•
	Beer pasteurization											
Beverages	Clarified juices, drinks, wine									•	•	•
	Juice/drinks with pulp/fibres											
	Clarified fruit & sugar conc.											
	Clody fruit concentrate									•	•	•
Other Food	Low viscous products											
	High viscous products									•	•	•
	Sticky/chunky/particles									•	•	•
	Vegetable oil											
Utilities	CIP heating											
	Water heating/cooling	•	•	•	•	•			•			
	Glycol cooling								•			
	CO2 heating/cooling						•	•				
	Refrigeration	•	•	•	•	•	•	•	•			
BioPharm												
Personal Care												

Characteristics

Max. working pressure, bar g	30	30	30	30	30	20	27	30	20	20	20
Stainless steel frame											
Mild steel frame											

Max. capacity

Pasteurization, 1000 * l/h *)											
Heating/Cooling, 1000 *l/h **)	3.5		15	15	60	8	40	8-800 kW	35	35	35

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The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in stainless steel material 1.4401, and brazed in vacuum furnace using 100% copper filler material. The units are approved by TÜV and SAQ and therefore pre ssure tested with air and leakage tested with Helium. The units can be used in drinking water applications (KIWA approval). Auxillaries: Insulations (heating and refrigeration), couplings and stands. Pressure x volume is too small for PED approval.

	SAQ		TÜV		PED
Design temperature °C	150	225	150	225	175
Design pressure (s3/s4, s1/s2)	30/30	30/30	30/30	30/30	32/32
Max. no. of plates without CE Mark					100

Heat Exchanger Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Insulation Type B Part no.	
Connections: ISO G 3/4" External threaded						
CB14-14 (A21,A21)	32361-1014-1		41 X 80 X 210	1.6	4447 842 786	
CB14-20 (A21,A21)	32361-1020-1		55 X 80 X 210	1.8	4447 842 786	
CB14-30 (A21,A21)	32361-1030-1		79 X 80 X 210	2.1	4447 842 787	
CB14-40 (A21,A21)	32361-1040-1		102 X 80 X 210	2.5	4447 842 787	
Extras						
Screw fittings DN15 3/4"; Pipe: CS; Nut: CS; gasket included	4 447 842 537		Fits to A21	0.5	Welding type	
DN15 3/4"; Pipe: brass; Nut: Brass; gasket included	4 447 842 538		Fits to A21	0.5	Soldering type	
Insulation Type B: Black, Polyrurethane without blue ABS Cover Max. temp. 110 degrees						
Insulation <14 plates	4447 842 786		115 X 135 X 260	0.6		
Insulation 15-40 plates	4447 842 787		155 X 135 X 260	0.7		



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Auxillaries: Insulations (heating), couplings and stands.

		PED
Design temperature ℃	150	175
Design pressure (s3/s4, s1/s2)	16/16	16/16
Max. no. of plates without CE Mark		222

Heat Exchanger					Insulation Type A	
Model	**Part no.**		**Dim. (mm) L*B*H**	**Weight kg/unit**	**Part no.**	
Connections: ISO G 1" Externally threaded						
CB20-12H (B21,B21)	1644172-01		26 X 93 X 323	2.0	1643947-01	
CB20-18H (B21,B21)	1644172-02		35 X 93 X 323	2.5	1643947-01	
CB20-24H (B21,B21)	1644172-03		44 X 93 X 323	3.0	1643947-01	
CB20-30H (B21,B21)	1644172-04		53 X 93 X 323	3.5	1643947-01	
CB20-40H (B21,B21)	1644172-05		68 X 93 X 323	4.3	1643947-02	
CB20-50H (B21,B21)	1644172-06		83 X 93 X 323	5.1	1643947-02	
CB20-60H (B21,B21)	1644172-07		98 X 93 X 323	5.9	1643947-02	
CB20-80H (B21,B21)	1644172-08		128 X 93 X 323	7.6	1643947-03	
CB20-90H (B21,B21)*	1644172-09		143 X 93 X 323	8.4	1643947-03	
CB20-110H (B21,B21)	1644172-10		173 X 93 X 323	10.0	1643947-04	
CB20-130H (B21,B21)*	1644172-11		203 X 93 X 323	11.7	1643947-05	
CB20-150H (B21,B21)*	1644172-12		233 X 93 X 323	13.3	1643947-05	
CB20-180H (B21,B21)*	1644172-13		278 X 93 X 323	15.8	1643947-06	
Extras						
Screw fittings						
DN20 1"; Pipe: CS; Nut: Brass Gasket Included	4447 842 541		Fits B21, V22	0.5	Welding type	
22mm 1"; Pipe: Brass, Gasket included Nut: CS	4447 842 542		Fits B21, V22	0.5	Soldering type	
Extra gasket fitting for 1" couplings	32360-0015-2		Fits B21, V22			
Insulation Type A: polyurethane with blue ABS cover Max temp.140 degrees						
Max 30 plates	1643947-01		113 X 157 X 384	0.3		
Max 60 plates	1643947-02		158 X 157 X 384	0.4		
Max 90 plates	1643947-03		203 X 157 X 384	0.5		
Max 120 plates	1643947-04		248 X 157 X 384	0.6		
Max 150 plates	1643947-05		293 X 157 X 384	0.7		



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Auxillaries: Insulations (heating and refrigeration), couplings and stands.

	SAQ		TÜV		PED	
Design temperature °C	150	225	150	225	175	175
Design pressure (s3/s4, s1/s2)	30/30	30/30	30/30	27/27	32/32	30/30
Max. no. of plates without CE Mark					40	40

Heat Exchanger Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Insulation Type A Part no.	
Connections: ISO G 1" External thread						
H - Channels						
CB26-10H (V22,V22)	32361-2010-1		33 X 112 X 311	2.9	32360-0088-1	
CB26-18H (V22,V22	32361-2018-1		52 X 112 X 311	4.1	32360-0088-1	
CB26-24H (V22,V22)	32361-2024-1		67 X 112 X 311	4.8	32360-0088-2	
CB26-34H (V22,V22)	32361-2034-1		91 X 112 X 311	6.1	32360-0088-2	
CB26-50H (V22,V22)	32361-2050-1		129 X 112 X 311	8.6	32360-0088-3	
CB26-70H (V22,V22)	32361-2070-1		177 X 112 X 311	10.9	32360-0088-4	
CB26-100H (V22,V22)	32361-2100-1		249 X 112 X 311	14.5	32360-0088-5	
L - Channels						
CB26-8L (V22,V22)	32361-2208-1		28 X 112 X 311	3.3	32360-0088-1	
CB26-12L (V22,V22)	32361-2212-1		38 X 112 X 311	3.3	32360-0088-1	
CB26-16L (V22,V22)	32361-2216-1		47 X 112 X 311	4.0	32360-0088-1	
CB26-20L (V22,V22)	32361-2220-1		57 X 112 X 311	4.6	32360-0088-1	
CB26-26L (V22,V22)	32361-2226-1		72 X 112 X 311	5.6	32360-0088-2	
Two pass						
CB26-24H (V22,V22) (2.2)*	32361-2024-4		67 X 112 X 311	4.8	32360-0088-2	
CB26-50H (V22,V22) (2.2)*	32361-2050-4		129 X 112 X 311	8.1	32360-0088-3	
Two pass - 6 conn. Pre/Post Heater Design						
CB26-50H (6 conn.)	32361-2050-8		129 X 112 X 311	8.5	32360-0088-3	
CB26-70H (6 conn.)	32361-2070-8		177 X 112 X 311	10.7	32360-0088-4	
CB26-100H (6 conn.)	32361-2100-8		249 X 112 X 311	14.9	32360-0088-5	
CB26-120H (6 conn.)	32361-2120-8		297 X 112 X 311	17.2	32360-0088-6	



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Auxillaries: Insulations (heating and refrigeration), couplings and stands.

	SAQ		TÜV		PED	
Design temperature ℃	150	225	150	225	175	175
Design pressure (s3/s4, s1/s2)	30/30	30/30	30/30	27/27	32/32	30/30
Max. no. of plates without CE Mark					40	40

Heat Exchanger Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Insulation Type A Part no.	
Connections: S1/S2 ISO G 5/4" External thread S3/S4 ISO G 1" External threaded						
H - channels						
CB27-10H (V22,V24)	32361-8410-1		33 X 112 X 311	2.9	32360-0088-1	
CB27-18H (V22,V24)	32361-8418-1		53 X 112 X 311	4.1	32360-0088-1	
CB27-24H (V22,V24)	32361-8424-1		67 X 112 X 311	4.8	32360-0088-2	
CB27-34H (V22,V24)	32361-8434-1		91 X 112 X 311	6.1	32360-0088-2	
CB27-50H (V22,V24)	32361-8450-1		129 X 112 X 311	8.6	32360-0088-3	
CB27-70H (V22,V24)	32361-8470-1		177 X 112 X 311	10.9	32360-0088-4	
CB27-100H (V22,V24)	32361-8500-1		249 X 112 X 311	14.5	32360-0088-5	
CB27-120H (V22,V24)	32361-8520-1		297 X 112 X 311	17.4	32360-0088-6	
M - channels						
CB27-10M (V22,V24)	32361-8210-1		33 X 112 X 311	2.9	32360-0088-1	
CB27-18M (V22,V24)	32361-8218-1		53 X 112 X 311	4.1	32360-0088-1	
CB27-24M (V22,V24)	32361-8224-1		67 X 112 X 311	4.8	32360-0088-2	
CB27-34M (V22,V24)	32361-8234-1		91 X 112 X 311	6.1	32360-0088-2	
CB27-50M (V22,V24)	32361-8250-1		129 X 112 X 311	8.6	32360-0088-3	
CB27-70M (V22,V24)	32361-8270-1		177 X 112 X 311	10.9	32360-0088-4	
CB27-100M (V22,V24)	32361-8300-1		249 X 112 X 311	14.5	32360-0088-5	
CB27-120M (V22,V24)	32361-8320-1		297 X 112 X 311	17.4	32360-0088-6	
L - channels						
CB27-10L (V22,V24)	32361-8010-1		33 X 112 X 311	2.9	32360-0088-1	
CB27-18L (V22,V24)	32361-8018-1		53 X 112 X 311	4.1	32360-0088-1	
CB27-24L (V22,V24)	32361-8024-1		67 X 112 X 311	4.8	32360-0088-2	
CB27-34L (V22,V24)	32361-8034-1		91 X 112 X 311	6.1	32360-0088-2	
CB27-50L (V22,V24)	32361-8050-1		129 X 112 X 311	8.6	32360-0088-3	
CB27-70L (V22,V24)*	32361-8070-1		177 X 112 X 311	10.9	32360-0088-4	
CB27-100L (V22,V24)*	32361-8100-1		249 X 112 X 311	14.5	32360-0088-5	
CB27-120L (V22,V24)*	32361-8120-1		297 X 112 X 311	17.4	32360-0088-6	
Two pass						
CB27-24H (V22,V24) (2,2)*	32361-8424-4		67 X 112 X 311	4.8	32360-0088-2	
CB27-50H (V22,V24) (2,2)*	32361-8450-4		129 X 112 X 311	8.1	32360-0088-3	
Two pass - 6 conn. Pre/post heater design						
CB27-50H (6 conn.)*	32361-8450-8		129 X 112 X 311	8.5	32360-0088-3	
CB27-70H (6 conn.)*	32361-8470-8		177 X 112 X 311	10.7	32360-0088-4	
CB27-100H (6 conn.)*	32361-8500-8		249 X 112 X 311	14.9	32360-0088-5	
CB27-120H (6 conn.)	32361-8520-8		297 X 112 X 311	17.2	32360-0088-6	



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Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Comment
Extras					
Screw fittings					
DN20 1"; Pipe: CS; Nut: CS. Gasket Included	4447 842 541		Fits V22	0.5	Welding type
22mm 1"; Pipe: Brass, Nut: CS. Gasket included	4447 842 542		Fits V22	0.5	Soldering type
DN25 1 1/4"; Pipe & Nut: CS; Gasket included	1626235-04		Fits V24	0.5	Welding type
28mm 1 1/4"; Pipe: Brass, Nut: CS. Gasket included	1626235-06		Fits V24	0.5	Soldering type
Extra gasket fitting for 1" couplings	32360-0015-2		Fits B21, V22		
Insulation Type A: polyurethane with blue ABS cover Max temperature 140 degrees					
Max 20 plates	32360-0088-1		112 X 185 X 360	0.7	
Max 40 plates	32360-0088-2		160 X 185 X 360	0.8	
Max 60 plates	32360-0088-3		209 X 185 X 360	0.9	
Max 80 plates	32360-0088-4		257 X 185 X 360	1.0	
Max 100 plates	32360-0088-5		304 X 185 X 360	1.2	
Max 120 plates	32360-0088-6		352 X 185 X 360	1.4	
Insulation Type B : Black, Polyrurethane without blue ABS Cover Max temperature 110 degrees					
Max 25 plates	4447 842 601		140 X 185 X 360	0.3	
Max 50 plates	4447 842 602		230 X 185 X 360	0.4	
Max 100 plates	4447 842 603		300 X 185 X 360	0.5	
Wall mounting bracket Rubber coated clamp, to be assembled around the plate package.	32360-2042-6			3.0	
Floor support kit Max. 30 plates. Inludes 2 feets and 2 nuts. The nuts are mounted on the thread on the connections, and fixes the feets.	1629654-01			3.0	Fits **only** CB26
Floor support kit Max. 150 plates Includes 2 feets. The feets are assembled together in a U-shape. Mounted on the plate package.	1629654-02			3.0	
Stud bolts Two pieces of M8x20 spot welded on to the frame of the unit.	76820			0.1	



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Auxillaries: Insulations (heating and refrigeration), couplings and stands.

	SAQ		TÜV		PED	
Design temperature ℃	150	225	150	225	150	175
Design pressure (s3/s4, s1/s2)	30/30	30/30	30/30	25/25	32/32	30/30
Max. no. of plates without CE Mark					20	20

Heat Exchanger Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Insulation Type A Part no.	
CB51 **Connections: ISO G 1" External thread**						
CB51-10H (V22,V22)	32361-5110-1		34 X 112 X 520	5.1	32360-0089-1	
CB51-20H (V22,V22)	32361-5120-1		58 X 112 X 520	7.3	32360-0089-1	
CB51-30H (V22,V22)	32361-5130-1		82 X 112 X 520	9.5	32360-0089-2	
CB51-40H (V22,V22)	32361-5140-1		106 X 112 X 520	11.7	32360-0089-2	
CB51-50H (V22,V22)	32361-5150-1		130 X 112 X 520	13.9	32360-0089-3	
CB51-60H (V22,V22)	32361-5160-1		154 X 112 X 520	16.1	32360-0089-3	
3-media **7 Welding conn.** **(J26 S1, S2, S3, S4** **J26 T1 T3,T4)**						
CB52-22H (7 conn.)	453568		63 X 112 X 520	7.6	32360-0089-1	
CB52-37H (7 conn.)	453737		99 X 112 X 520	11.0	32360-0089-1	
CB52 **Connections: S1/S2 ISO G 1 1/4" External thread** **S3/S4 ISO G 1" External threaded**						
H - Channels						
CB52-10H (V22,V24)*	32361-9010-1		34 X 112 X 520	5.1	32360-0089-1	
CB52-20H (V22,V24)*	32361-9020-1		58 X 112 X 520	7.3	32360-0089-1	
CB52-30H (V22,V24)	32361-9030-1		82 X 112 X 520	9.5	32360-0089-2	
CB52-40H (V22,V24)	32361-9040-1		106 X 112 X 520	11.7	32360-0089-2	
CB52-50H (V22,V24)	32361-9050-1		130 X 112 X 520	13.9	32360-0089-3	
CB52-60H (V22,V24)	32361-9060-1		154 X 112 X 520	16.1	32360-0089-3	
CB52-80H (V22,V24)	32361-9080-1		202 X 112 X 520	18.3	32360-0089-4	
CB52-100H (V22,V24)	32361-9100-1		250 X 112 X 520	20.5	32360-0089-5	
M - channels						
CB52-10M (V22,V24)*	32361-8810-1		34 X 112 X 520	5.1	32360-0089-1	
CB52-20M (V22,V24)*	32361-8820-1		58 X 112 X 520	7.3	32360-0089-1	
CB52-30M (V22,V24)	32361-8830-1		82 X 112 X 520	9.5	32360-0089-2	
CB52-40M (V22,V24)	32361-8840-1		106 X 112 X 520	11.7	32360-0089-2	
CB52-50M (V22,V24)	32361-8850-1		130 X 112 X 520	13.9	32360-0089-3	
CB52-60M (V22,V24)	32361-8860-1		154 X 112 X 520	16.1	32360-0089-3	
CB52-80M (V22,V24)	32361-8880-1		202 X 112 X 520	18.3	32360-0089-4	
CB52-100M (V22,V24)	32361-8900-1		250 X 112 X 520	20.5	32360-0089-5	



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Auxillaries: Insulations (heating and refrigeration), couplings and stands.

	SAQ		TÜV		PED	
Design temperature °C	150	225	150	225	150	175
Design pressure (s3/s4, s1/s2)	30/30	30/30	30/30	25/25	32/32	30/30
Max. no. of plates without CE Mark					20	20

Heat Exchanger Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Insulation Type A Part no.	
CB52 **Connections: S1/S2 ISO G 1 1/4" External thread** **S3/S4 ISO G 1" External threaded**						
L - channels						
CB52-10L (V22,V24)*	32361-9210-1		34 X 112 X 520	5.1	32360-0089-1	
CB52-20L (V22,V24)	32361-9220-1		58 X 112 X 520	7.3	32360-0089-1	
CB52-30L (V22,V24)	32361-9230-1		82 X 112 X 520	9.5	32360-0089-2	
CB52-40L (V22,V24)	32361-9240-1		106 X 112 X 520	11.7	32360-0089-2	
CB52-50L (V22,V24)	32361-9250-1		130 X 112 X 520	13.9	32360-0089-3	
CB52-60L (V22,V24)	32361-9260-1		154 X 112 X 520	16.1	32360-0089-3	
CB52-80L (V22,V24)	32361-9280-1		202 X 112 X 520	18.3	32360-0089-4	
CB52-100L (V22,V24)	32361-9300-1		250 X 112 X 520	20.5	32360-0089-5	
Two pass-6 conn. **Pre/Post Heater design**						
CB52-40L (6 conn.)	45714		106 X 112 X 520	11.8	32360-0089-2	
CB52-60L (6 conn.)	45782		154 X 112 X 520	16.2	32360-0089-3	
CB52-80L (6 conn.)	45762		202 X 112 X 520	18.4	32360-0089-4	
CB52-100L (6 conn.)	45694		250 X 112 X 520	20.6	32360-0089-5	
CB51- Double Wall **A mixed proof brazed heat exchanger (no internal leakage possible).** **Tested and approved by KIWA, Netherlands** **Connections: ISO G 1" outer threaded**						
CB51DW-12H (Q76,Q76)*			40 X 112 X 526	4.8	32360-0089-1	
CB51DW-16H (Q76,Q76)*			48 X 112 X 526	5.7	32360-0089-1	
CB51DW-20H (Q76,Q76)*			58 X 112 X 526	6.6	32360-0089-2	
CB51DW-24H (Q76,Q76)*			68 X 112 X 526	7.5	32360-0089-2	



* = not in stock

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Auxillaries: Insulations (heating and refrigeration), couplings and stands.

Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Comment	
Extras						
Screw fittings						
DN20 1"; Pipe: CS; Nut: CS. Gasket Included	4447 842 541		Fits V22	0.5	Welding type	
22mm 1"; Pipe: Brass, Nut: CS. Gasket included	4447 842 542		Fits V22	0.5	Soldering type	
DN25 1 1/4"; Pipe & Nut: CS; Gasket included	1626235-04		Fits V24	0.5	Welding type	
28mm 1 1/4"; Pipe: Brass, Nut: CS. Gasket included	1626235-06		Fits V24	0.5	Soldering type	
Extra gasket fitting for 1" couplings	32360-0015-2		Fits B21, V22			
Insulation Type A: polyurethane with blue ABS cover Max. temperature 140 degrees						
Max 20 plates	32360-0089-1		112 X 185 X 588	1.0		
Max 40 plates	32360-0089-2		160 X 185 X 588	1.1		
Max 60 plates	32360-0089-3		209 X 185 X 588	1.2		
Max 80 plates	32360-0089-4		257 X 185 X 588	1.3		
Max 100 plates	32360-0089-5		304 X 185 X 588	1.4		
Insulation Type B : Black, Polyrurethane without blue ABS cover Max. temperature 110 degrees						
Max 30 plates	4447 842 698		125 x 156 x 570	3.0		
Max 60 plates	4447 842 699		245 x 156 x 570	3.0		
Wall mounting bracket Rubber coated clamp, to be assembled around the plate package.	32360-2042-7					
Floor support kit. Max 30 plates. Inludes 2 feets and 2 nuts. The nuts are mounted on the thread on the connections, and fixes the feets.	1629654-01			3.0	Fits **only** CB51	
Floor support kit. Max 150 plates Includes 2 feets. The feets are assembled together in a U-shape. Mounted on the plate package.	1629654-02			3.0		
Stud bolts Two pieces of M8x20 spot welded on to the frame of the unit.	76820			0.1		

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Auxillaries: Insulations (heating and refrigeration), couplings and stands.

	SAQ		TÜV		PED	
Design temperature °C	150	225	150	225	150	175
Design pressure (s3/s4, s1/s2)	30/30	30/30	30/30	27/27	32/32	30/30
Max. no. of plates without CE Mark					8	8

Heat Exchanger Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Insulation Type A Part no.	
Connections: ISO G 2" External threaded						
H-channels						
CB76-20H (B23,B23)	32361-7020-1		67 X 192 X 617	20.0	32360-0090-1	
CB76-30H (B23,B23)	32361-7030-1		95 X 192 X 617	24.2	32360-0090-1	
CB76-40H (B23,B23)	32361-7040-1		123 X 192 X 617	28.4	32360-0090-2	
CB76-50H (B23,B23)	32361-7050-1		151 X 192 X 617	32.6	32360-0090-2	
CB76-60H (B23,B23)	32361-7060-1		179 X 192 X 617	36.8	32360-0090-2	
CB76-70H (B23,B23)	32361-7070-1		207 X 192 X 617	41.0	32360-0090-3	
CB76-80H (B23,B23)	32361-7080-1		235 X 192 X 617	45.2	32360-0090-3	
CB76-90H (B23,B23)	32361-7090-1		263 X 192 X 617	49.4	32360-0090-3	
CB76-100H (B23,B23)	32361-7100-1		291 X 192 X 617	53.6	32360-0090-4	
CB76-110H (B23,B23)	32361-7110-1		319 X 192 X 617	57.8	32360-0090-4	
CB76-120H (B23,B23)	32361-7120-1		347 X 192 X 617	62.0	32360-0090-4	
CB76-130H (B23,B23)	32361-7130-1		375 X 192 X 617	66.2	32360-0090-5	
CB76-140H (B23,B23)	32361-7140-1		403 X 192 X 617	70.4	32360-0090-5	
CB76-150H (B23,B23)	32361-7150-1		431 X 192 X 617	74.6	32360-0090-5	
Two pass - 6 conn. Pre/post Heater design						
6 connections (B23S3,B23S2) (2S4,2S1)						
CB76-40H (6 conn.)	32361-7040-8		123 X 192 X 617	29.6	32360-0090-2	
CB76-60H (6 conn.)	32361-7060-8		179 X 192 X 617	38.0	32360-0090-2	
CB76-80H (6 conn.)	32361-7080-8		235 X 192 X 617	46.4	32360-0090-3	
CB76-100H (6 conn.)	32361-7100-8		291 X 192 X 617	54.8	32360-0090-4	
CB76-120H (6 conn.)	32361-7120-8		347 X 192 X 617	63.2	32360-0090-4	
CB76-140H (6 conn.)	32361-7140-8		403 X 192 X 617	71.6	32360-0090-5	
A-channels						
CB76-31A (B23,B23)	32361-7431-1		98 X 192 X 617	25.0	32360-0090-2	
CB76-41A (B23,B23)	32361-7441-1		126 X 192 X 617	29.2	32360-0090-2	
CB76-51A (B23,B23)	32361-7451-1		154 X 192 X 617	33.4	32360-0090-2	
CB76-61A (B23,B23)	32361-7461-1		182 X 192 X 617	37.6	32360-0090-3	
CB76-71A (B23,B23)	32361-7471-1		210 X 192 X 617	41.8	32360-0090-3	
CB76-81A (B23,B23)	32361-7481-1		238 X 192 X 617	46.0	32360-0090-3	
CB76-91A (B23,B23)	32361-7491-1		265 X 192 X 617	50.2	32360-0090-4	
CB76-101A (B23,B23)	32361-7501-1		294 X 192 X 617	54.4	32360-0090-4	
CB76-116A (B23,B23)	32361-7516-1		336 X 192 X 617	60.7	32360-0090-4	
CB76-131A (B23,B23)	32361-7531-1		378 X 192 X 617	67.0	32360-0090-5	
CB76-149A (B23,B23)	32361-7549-1		428 X 192 X 617	74.6	32360-0090-5	
E-channels						
CB76-31E (B23,B23)*	32361-7431-1		98 X 192 X 617	25.0	32360-0090-2	
CB76-41E (B23,B23)*	32361-7441-1		126 X 192 X 617	29.2	32360-0090-2	
CB76-51E (B23,B23)*	32361-7451-1		153 X 192 X 617	33.4	32360-0090-2	
CB76-61E (B23,B23)*	32361-7461-1		182 X 192 X 617	37.6	32360-0090-3	
CB76-71E (B23,B23)*	32361-7471-1		210 X 192 X 617	41.8	32360-0090-3	
CB76-81E (B23,B23)*	32361-7481-1		238 X 192 X 617	46.0	32360-0090-3	
CB76-91E (B23,B23)*	32361-7491-1		265 X 192 X 617	50.2	32360-0090-4	
CB76-101E (B23,B23)*	32361-7501-1		294 X 192 X 617	54.4	32360-0090-4	
CB76-131E (B23,B23)*	32361-7531-1		378 X 192 X 617	67.0	32360-0090-5	
CB76-149E (B23,B23)*	32361-7549-1		428 X 192 X 617	74.6	32360-0090-5	



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Auxillaries: Insulations (heating and refrigeration), couplings and stands.

	SAQ	TÜV	PED
Design temperature ℃	225	150	175
Design pressure (s3/s4, s1/s2)	25/25	25/25	30/30
Max. no. of plates without CE Mark			8

Heat Exchanger Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Insulation Type A Part no.	
Two pass - 6 conn. Pre/post Heater design						
M-channels						
CB76L-20M (B23,B23)	32361-7620-1		67 X 192 X 617	20.0	32360-0090-1	
CB76L-30M (B23,B23)	32361-7630-1		95 X 192 X 617	24.2	32360-0090-1	
CB76L-40M (B23,B23)	32361-7640-1		123 X 192 X 617	28.4	32360-0090-2	
CB76L-50M (B23,B23)	32361-7650-1		151 X 192 X 617	32.6	32360-0090-2	
CB76L-60M (B23,B23)	32361-7660-1		179 X 192 X 617	36.8	32360-0090-2	
CB76L-70M (B23,B23)	32361-7670-1		207 X 192 X 617	41.0	32360-0090-3	
CB76L-80M (B23,B23)	32361-7680-1		235 X 192 X 617	45.2	32360-0090-3	
CB76L-90M (B23,B23)*	32361-7690-1		263 X 192 X 617	49.4	32360-0090-3	
CB76L-100M (B23,B23)*	32361-7700-1		291 X 192 X 617	53.6	32360-0090-4	
CB76L-110M (B23,B23)*	32361-7710-1		319 X 192 X 617	57.8	32360-0090-4	
CB76L-120M (B23,B23)*	32361-7720-1		347 X 192 X 617	62.0	32360-0090-4	
CB76L-130M (B23,B23)*	32361-7730-1		375 X 192 X 617	65.2	32360-0090-5	
CB76L-140M (B23,B23)*	32361-7740-1		403 X 192 X 617	70.4	32360-0090-5	
CB76L-150M (B23,B23)*	32361-7750-1		431 X 192 X 617	74.6	32360-0090-5	
Two pass - 6 conn. Pre/Post Heater Design						
6 connections (B23S3,B23S2) (2S4,2S1)						
CB76L-40M (6 conn.)	32361-7640-8		192 X 617	29.6	32360-0090-2	
CB76L-60M (6 conn.)	32361-7660-8		192 X 617	38.0	32360-0090-2	
CB76L-100M (6 conn.)	32361-7700-8		192 X 617	55.0	32360-0090-4	
L-channels						
CB76L-20L (B23,B23)	32361-7220-1		192 X 617	20.0	32360-0090-1	
CB76L-30L (B23,B23)	32361-7230-1		192 X 617	24.2	32360-0090-1	
CB76L-40L (B23,B23)	32361-7240-1		192 X 617	28.4	32360-0090-2	
CB76L-50L (B23,B23)	32361-7250-1		192 X 617	32.6	32360-0090-2	
CB76L-60L (B23,B23)	32361-7260-1		192 X 617	36.8	32360-0090-2	
CB76L-70L (B23,B23)	32361-7270-1		192 X 617	41.0	32360-0090-3	
CB76L-80L (B23,B23)*	32361-7280-1		192 X 617	45.2	32360-0090-3	
CB76L-90L (B23,B23)*	32361-7290-1		192 X 617	57.8	32360-0090-3	
CB76L-100L (B23,B23)*	32361-7300-1		192 X 617	53.6	32360-0090-4	
CB76L-110L (B23,B23)*	32361-7310-1		192 X 617	57.8	32360-0090-4	
CB76L-120L (B23,B23)*	32361-7320-1		192 X 617	62.0	32360-0090-4	
CB76L-130L (B23,B23)*	32361-7330-1		192 X 617	65.2	32360-0090-5	
CB76L-140L (B23,B23)*	32361-7340-1		192 X 617	70.4	32360-0090-5	
CB76L-150L (B23,B23)*	32361-7350-1		192 X 617	74.6	32360-0090-5	



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Auxillaries: Insulations (heating and refrigeration), couplings and stands.

	SAQ	TÜV	PED
Design temperature °C	225	225	175
Design pressure (s3/s4, s1/s2)	25/16	25/16	25/16
Max. no. of plates without CE Mark			8

Heat Exchanger Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Insulation Type A Part no.	
Connections: S1/S2 67 mm Welding External thread S3/S4 ISO G 2" External threaded						
H-channels						
CB77 20H (B23,J25)*	32361-9620-1		67 X 192 X 617	20.0	32326-0090-1	
CB77 30H (B23,J25)*	32361-9630-1		95 X 192 X 617	24.2	32326-0090-1	
CB77 40H (B23,J25)*	32361-9640-1		123 X 192 X 617	28.4	32326-0090-2	
CB77 50H (B23,J25)	32361-9650-1		151 X 192 X 617	32.6	32326-0090-2	
CB77 60H (B23,J25)*	32361-9660-1		179 X 192 X 617	36.8	32326-0090-2	
CB77 70H (B23,J25)*	32361-9670-1		207 X 192 X 617	41.0	32326-0090-3	
CB77 80H (B23,J25)	32361-9680-1		235 X 192 X 617	45.2	32326-0090-3	
CB77 90H (B23,J25)*	32361-9690-1		263 X 192 X 617	49.4	32326-0090-3	
CB77 100H (B23,J25)	32361-9700-1		291 X 192 X 617	53.6	32326-0090-4	
CB77 110H (B23,J25)*	32361-9710-1		319 X 192 X 617	57.8	32326-0090-4	
CB77 120H (B23,J25)	32361-9720-1		347 X 192 X 617	62.0	32326-0090-4	
CB77 130H (B23,J25)*	32361-9730-1		375 X 192 X 617	66.2	32326-0090-5	
CB77 140H (B23,J25)	32361-9740-1		403 X 192 X 617	70.4	32326-0090-5	
CB77 150H (B23,J25)*	32361-9750-1		431 X 192 X 617	74.6	32326-0090-5	
M-channels						
CB77 20M (B23,J25)*	32361-9420-1		67 X 192 X 617	20.0	32326-0090-1	
CB77 30M (B23,J25)*	32361-9430-1		95 X 192 X 617	24.2	32326-0090-1	
CB77 40M (B23,J25)	32361-9440-1		123 X 192 X 617	28.4	32326-0090-2	
CB77 50M (B23,J25)	32361-9450-1		151 X 192 X 617	32.6	32326-0090-2	
CB77 60M (B23,J25)*	32361-9460-1		179 X 192 X 617	36.8	32326-0090-2	
CB77 70M (B23,J25)*	32361-9470-1		207 X 192 X 617	41.0	32326-0090-3	
CB77 80M (B23,J25)	32361-9480-1		235 X 192 X 617	45.2	32326-0090-3	
CB77 90M (B23,J25)*	32361-9490-1		263 X 192 X 617	49.4	32326-0090-3	
CB77 100M (B23,J25)	32361-9500-1		291 X 192 X 617	53.6	32326-0090-4	
CB77 110M (B23,J25)*	32361-9510-1		319 X 192 X 617	57.8	32326-0090-4	
CB77 120M (B23,J25)	32361-9520-1		347 X 192 X 617	62.0	32326-0090-4	
CB77 130M (B23,J25)*	32361-9530-1		375 X 192 X 617	66.2	32326-0090-5	
CB77 140M (B23,J25)	32361-9540-1		403 X 192 X 617	70.4	32326-0090-5	
CB77 150M (B23,J25)*	32361-9550-1		431 X 192 X 617	74.6	32326-0090-5	
Low theta channels						
CB77-20L (B23,J25)*	32361-8620-1		67 X 192 X 617	20.0	32326-0090-1	
CB77-30L (B23,J25)	32361-8630-1		95 X 192 X 617	24.2	32326-0090-1	
CB77-40L (B23,J25)*	32361-8640-1		123 X 192 X 617	28.4	32326-0090-2	
CB77-50L (B23,J25)*	32361-8650-1		151 X 192 X 617	32.6	32326-0090-2	
CB77-60L (B23,J25)*	32361-8660-1		179 X 192 X 617	36.8	32326-0090-2	
CB77-70L (B23,J25)*	32361-8670-1		207 X 192 X 617	41.0	32326-0090-3	
CB77-80L (B23,J25)	32361-8680-1		235 X 192 X 617	45.2	32326-0090-3	
CB77-90L (B23,J25)*	32361-8690-1		263 X 192 X 617	49.4	32326-0090-3	
CB77-100L (B23,J25)	32361-8700-1		291 X 192 X 617	53.6	32326-0090-4	
CB77-110L (B23,J25)*	32361-8710-1		319 X 192 X 617	57.8	32326-0090-4	
CB77-120L (B23,J25)	32361-8720-1		347 X 192 X 617	62.0	32326-0090-4	
CB77-130L (B23,J25)*	32361-8730-1		375 X 192 X 617	66.2	32326-0090-5	
CB77-140L (B23,J25)	32361-8740-1		403 X 192 X 617	70.4	32326-0090-5	
CB77-150L (B23,J25)*	32361-8750-1		431 X 192 X 617	74.6	32326-0090-5	



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Auxillaries: Insulations (heating and refrigeration), couplings and stands.

Model	Part no.		Dim. (mm) L*B*H	Weight kg/unit	Comment
Extras					
Screw fittings					
DN50 2" Pipe & Nut: CS	1626235-01		Fits B23	0.4	Welding type
DN40 2" Pipe & Nut: CS	4447-991-847		Fits B23	0.4	Welding type
DN40 2" Pipe: Brass; Nut: CS	4447-991-848		Fits B23	0.4	Soldering type
54mm. Pipe: Brass, Nut: CS.					
Gasket included	1626235-03		Fits B23	0.4	Soldering type
DN40 Flange CS	4447-842-839		Fits B23	0.6	Flange type
Gasket for 2" fitting	32361-0162-2		Fits B23	0	
Insulation Type A					
Polyurethane with blue ABS cover					
Max. temperature 140 degrees					
Max 30 plates	32360-0090-1		160 X 246 X 670	1.2	
Max 60 plates	32360-0090-2		247 X 246 X 670	1.8	
Max 90 plates	32360-0090-3		334 X 246 X 670	2.2	
Max 120 plates	32360-0090-4		421 X 246 X 670	2.8	
Max 150 plates	32360-0090-5		510 X 246 X 670	3.5	
Floor support kit	1629655-01			3	Fits **only** CB76
Max 30 plates.					
Inludes 2 feets and 2 nuts.					
The nuts are mounted on the					
thread on the connections,					
and fixes the feets.					
Floor support kit	1629655-02			3	
Max. 150 plates					
Includes 2 feets. The feets are					
assembled together in a U-shape.					
Mounted on the plate package.					
CB76 Rigid Feets					
factory assembled.	1627291-01			3	
Two feets are needed for					
each CB76	total			6	
CB77 Rigid Feets					
factory assembled.	1627472-01			3	
Two feets are needed for					
each CB77	total			6	
Stud bolts	76820			0.1	
Two pieces of M8x20 spot welded					



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Auxillaries: Insulations (heating and refrigeration), couplings and stands.

	SAQ	TÜV	PED
Design temperature °C	150	150	175
Design pressure (s3/s4, s1/s2)	20/18	20/18	**)
Max. no. of plates without CE Mark			***)

**) NB14: 21/18, NB26H: 21/18, NB51H: 21/18

***) NB14: 100 plates , NB26H & NB51H: 24 plates

Heat Exchanger					Insulation Type B		
Model	**Part no.**		**Dim. (mm) L*B*H**	**Weight kg/unit**	**Part no.**		
NB14-14 (A21,A21)*	32362-1014-5		41 X 80 x 210	1.6	4447 842 786		
NB26-18H (V22,V22)*	32362-2018-5		53 X 112 X 311	4.1	360-0088-1		
NB26-34H (V22,V22)*	32362-2034-5		91 X 112 X 311	6.1	360-0088-2		
NB51-30H (H21,B21)*	45 88 76		82 X 112 X 520	9.5	718442		
NB51-50H (H21,B21)*	45 88 96		130 X 112 X 520	13.9	718443		
NB76-30HFS*	32362-7030-6		NOTE 27/27 Bar		complete with frames		
NB76-50HFS*	32362-7050-6		NOTE 27/27 Bar		complete with frames		
NB76-64HFS*	32362-7064-6		NOTE 27/27 Bar		complete with frames		
NB76-80HFS*	32362-7080-9		NOTE 27/27 Bar		complete with frames		
NB76-80HFS*	32362-7100-9		NOTE 27/27 Bar		complete with frames		

* = not in stock

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