

## 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 accesses 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**



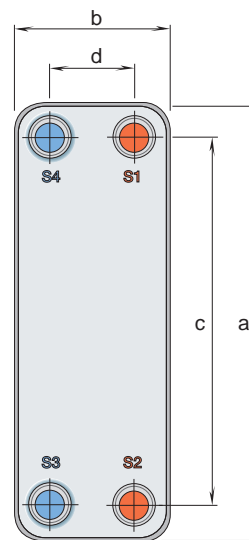
**CB200 / CBH200**



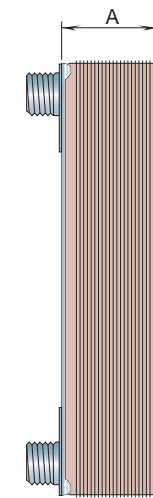
**CB300 / CBH300**



**CB400**



Measurement instruction



**Technical specifications**
**Brazed plate 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	225/-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) <sup>4)</sup>	0.038 (H) <sup>5)</sup>	0.028	0.054	0.103 (H) <sup>6)</sup>
Max. flowrate (S3-S4/S1-S2) (m <sup>3</sup> /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) *	26/26	32/32	26/26	27/16	32/27
Volume/channel (S3-S4/S1-S2) (litres)	0.21	0.18 <sup>7)</sup>	0.51	0.58/0.69	0.74
Max. flowrate (S3-S4/S1-S2) (m <sup>3</sup> /h) **	51	34/63	128	200	200
Height, mm (a)	616	618	740	990	990
Width, mm (b)	191	191	323	365	390
Vertical connection distance, mm (c)	519	519	622	816/861	825
Horizontal connection distance, mm (d)	92	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

<sup>1)</sup> M and L channels 29/28 bar

<sup>2)</sup> E channel 0.18/0.18; A channel 0.18/0.25

<sup>3)</sup> A channels (n x 2.5) + 10, E channels (n x 2.2) + 10

<sup>4)</sup> A channel (0.030/0.024)

<sup>5)</sup> A channel (0.042/0.035)

<sup>6)</sup> L and M channels 0.13

<sup>7)</sup> AH and AM channels 0.20/0.16