

Technical specification

Brazed Plate Heat Exchanger



Project ref: Alfa Laval
Line ref:
Model: CB60-50H-F
Item Id: 3287079137
No of units: 1

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		Hot side S4 -> S3	Cold Side S2 -> S1
Process data			
Capacity:	kW	35.0	
Fluid:		fluidR22	Water
Mass flow rate:	kg/h	865	6 038
Inlet temperature:	°C	70,0	55,0
Outlet temperature:	°C	65,0	60,0
Condensing temperature (dew):		65,0	
Condensing pressure:	bara	27,07	
Outlet quality:		0	
Total pressure drop calculated (allowed)	kPa	3,1 (30,00)	39,7 (80,00)
Connection velocity in/out:	m/s	5,00/0,59	4,10/4,11
Margin calculated (specified):	%	26(15)	

Heat exchanger specification			
Relative directions of fluids:		Countercurrent	
Number of plates:		50	
Channel volume:	dm ³	2,5	2,6
Number of circuits:		1	1
Design pressure at -196 °C	bar	40	40
Design pressure at 225 °C	bar	32	32
Design temperature (min/max):	°C	-196 / 225	
Pressure vessel code:		PED	
Material Channel plates / Sealing:		ALLOY 316 / Cu	
Connection S4 (Hot-In):		Soldering 1 1/8"	
Connection S3 (Hot-Out):		Soldering 1 1/8"	
Connection S2 (Cold-In):		Threaded (External) 1" ISO 228/1-G	
Connection S1 (Cold-Out):		Threaded (External) 1" ISO 228/1-G	
Unit dimensions (length x width x height):	mm	170 x 113 x 527	
Net weight, empty / operating:	kg	11,0 / 14,39	
Packed length x width x height:	mm	280,0 x 125 x 579,0	
Packed weight:	kg	11,55	

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