

Technical specification



Project ref: Alfa Laval
 Line ref:
 Model: ACH-30EQ-60H-F
 Item Id: 3288154175
 No of units: 1

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 Date: 2019-08-12

		Hot side S4 -> S3	Cold Side S2 -> S1
Process data			
Capacity:	kW	20.0	
Fluid:		R410A	Water
Mass flow rate:	kg/h	583	3 450
Inlet temperature:	°C	70,0	55,0
Outlet temperature:	°C	64,8	60,0
Condensing temperature (dew):		65,0	
Condensing pressure:	bara	42,44	
Outlet quality:		0	
Total pressure drop calculated (allowed)	kPa	2,1 (30,00)	40,8 (80,00)
Connection velocity in/out:	m/s	1,22/0,49	3,01/3,01
Margin calculated (specified):	%	46(15)	

Heat exchanger specification			
Relative directions of fluids:		Countercurrent	
Number of plates:		60	
Channel volume:	dm ³	0,8	0,8
Number of circuits:		1	1
Design pressure at -196 °C	bar	50	50
Design pressure at 150 °C	bar	45	45
Design temperature (min/max):		-196 / 150	
Pressure vessel code:		PED	
Material Channel plates / Sealing:		ALLOY 316 / Cu	
Connection S4 (Hot-In):		Soldering 1"1/8	
Connection S3 (Hot-Out):		Soldering 5/8"	
Connection S2 (Cold-In):		Soldering 7/8"	
Connection S1 (Cold-Out):		Soldering 7/8"	
Unit dimensions (length x width x height):	mm	143 x 95 x 325	
Net weight, empty / operating:		6,3 / 7,40	
Packed length x width x height:		250,0 x 110 x 343,0	
Packed weight:		6,66	

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