

# Technical specification



Project ref: Alfa Laval  
 Line ref:  
 Model: AC-30EQ-20H-F  
 Item Id: 3288153698  
 No of units: 1

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 Date: 2019-07-10

		Hot side S4 -> S3	Cold Side S2 -> S1
<b>Process data</b>			
Capacity:	kW	5.0	
Fluid:		fluidR22	Water
Mass flow rate:	kg/h	124	863
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	2,0 (30,00)	22,2 (80,00)
Connection velocity in/out:	m/s	3,24/0,11	0,59/0,59
Margin calculated (specified):	%	34(15)	

<b>Heat exchanger specification</b>			
Relative directions of fluids:		Countercurrent	
Number of plates:		20	
Channel volume:	dm <sup>3</sup>	0,3	0,3
Number of circuits:		1	1
Design pressure at -196 °C	bar	35	35
Design pressure at 225 °C	bar	30	30
Design temperature (min/max):		-196 / 225	
Pressure vessel code:		PED	
Material Channel plates / Sealing:		ALLOY 316 / Cu	
Connection S4 (Hot-In):		Soldering 22.3(7/8")	
Connection S3 (Hot-Out):		Soldering 1/2"	
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	63 x 95 x 325	
Net weight, empty / operating:	kg	2,9 / 3,26	
Packed length x width x height:	mm	160,0 x 110 x 343,0	
Packed weight:	kg	3,18	

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