

Technical specification



Project ref: Alfa Laval
 Line ref:
 Model: AC-30EQ-44H-F
 Item Id: 3288101019
 No of units: 1

Page: 1(2)
 Date: 2019-07-10

		Hot side S4 -> S3	Cold Side S2 -> S1
Process data			
Capacity:	kW	10.0	
Fluid:		R407C	Water
Mass flow rate:	kg/h	258	1 725
Inlet temperature:	°C	70,0	55,0
Outlet temperature:	°C	61,0	60,0
Condensing temperature (dew):		65,0	
Condensing pressure:	bara	28,32	
Outlet quality:		0	
Total pressure drop calculated (allowed)	kPa	1,2 (30,00)	19,0 (80,00)
Connection velocity in/out:	m/s	0,83/0,23	1,17/1,17
Margin calculated (specified):	%	19(15)	

Heat exchanger specification			
Relative directions of fluids:		Countercurrent	
Number of plates:		44	
Channel volume:	dm ³	0,6	0,6
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):	°C	-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	100 x 95 x 325	
Net weight, empty / operating:	kg	5,0 / 5,79	
Packed length x width x height:	mm	250,0 x 110 x 343,0	
Packed weight:	kg	5,36	

The performance of the equipment is conditioned by the process media and process parameters being consistent with the provided customer data. Data, specifications, and other kind of information of technological nature set out in this document and submitted by Alfa Laval to you (Proprietary Information) are intellectual proprietary rights of Alfa Laval. The Proprietary Information shall remain the exclusive property of Alfa Laval and shall only be used for the purpose of evaluating Alfa Laval's quotation. The Proprietary Information may not, without the written consent of Alfa Laval, be used or copied, reproduced, transmitted or communicated or disclosed in any other way to a third party.