

Technical specification

Gasketed Plate Heat Exchanger



Project ref: Exacore GPHEs

Line ref:

Model: TL15-BFG

No of units: 1

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Date: 10/22/2021

		Hot side	Cold Side
Fluid:		EC100	30.0% Prop.glycol
Density:	kg/m ³	825.0	1,003.8
Specific heat capacity:	kJ/(kg·K)	2.25	3.96
Thermal conductivity:	W/(m·K)	0.137	0.482
Viscosity inlet:	cP	5.52	1.40
Viscosity outlet:	cP	9.06	0.881
Volume flow rate:	m ³ /h	58.56	27.02
Inlet temperature:	°C	60.0	41.1
Outlet temperature:	°C	43.3	57.8
Pressure drop:	kPa	68.2	13.3
Heat exchanged:	kW	500.6	
LMTD:	K	2.2	
Relative directions of fluids:		Countercurrent	
Connection positions and flow directions:		S1->S2	S3->S4
Connections: S1,S2,S3,S4		FLANGE ASME B16-5 150# 6" Stainless steel	
Design pressure (MAWP):	bar	10.3	10.3
Test pressure:	bar	13.4	13.4
Design temperature max:	°C	65.6	65.6
Design temperature min (MDMT):	°C	0.0	0.0
Pressure vessel approval:		ASME	
Plate material/thickness:		ALLOY 304/0.40 mm	
Gasket material and attachment:		NBRP Clip-ads	NBRP Clip-ads
Approx. outer dimensions (L x W x H)	mm	1,523 x 637 x 2,692	
Approx. weight, empty / operating:	kg	1,929 / 2,162	
Approx. weight, full of water:	kg	2,184	
Type of package:		SKID BASE LYING	
Approx. packed weight:	kg	2,032	

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