Plate Heat Exchanger

Technical specification

Customer :
Model : **TL10-B**
Project: : **SDF data farming**
Item : **Date** : **24-7-2025**

		Hot side	**Cold side**
Fluid		Water	Water
Density	kg/m³	982.2	982.3
Specific heat capacity	kJ/(kg·K)	4.17	4.17
Thermal conductivity	W/(m·K)	0.652	0.652
Viscosity inlet	cP	0.465	0.693
Viscosity outlet	cP	0.552	0.465
Volume flow rate	m³/h	110.0	50.0
Inlet temperature	°C	60.0	37.0
Outlet temperature	°C	49.4	60.0
Pressure drop	kPa	42.7	10.0
Heat Exchanged	kW	1323	
L.M.T.D.	K	1.4	
Relative directions of fluids		Countercurrent	
Nozzle orientation			
Plate material / thickness		ALLOY 304/ 0.50 mm	
Sealing material			
Pressure vessel code		PED	
Design pressure	bar	5.0	5.0
Test pressure	bar	6.5	6.5
Design temperature	°C	60.0	40.0
Overall length x width x height	mm	x x	
Flooded weight	kg	0.00	