

Baodei plattvärme växlare

Technical specification

Customer :
Model : BH30B-30D
Project: :
Item : **Date:** 2016/5/13

Fluid		<u>Hot side</u>	<u>Cold side</u>
		Water	Water
Density	kg/m ³	985.5	998.8
Specific heat capacity	kJ/(kg*K)	4.17	4.20
Thermal conductivity	W/(m*K)	0.645	0.595
Viscosity inlet	cP	0.465	1.39
Viscosity outlet	cP	0.589	0.960
Volume flow rate	m ³ /h	10.00	9.971
Inlet temperature	°XC	60.0	8.0
Outlet temperature	°XC	45.7	22.0
Pressure drop	kPa	97.0	92.0
Heat exchanged	kW	162.8	
L.M.T.D.	K	37.8	
O.H.T.C clean conditions	W/(m ² *K)	8543	
O.H.T.C service	W/(m ² *K)	4195	
Heat transfer area	m ²	1.0	
Fouling resistance * 10000	m ² *K/W	1.2	
Duty margin	%	103.7	
Rel. directions of fluids		Countercurrent	
Number of plates		30	
Effective plates		28	
Number of passes		1	1
Plate material / thickness		AISI 316 / 0.50 mm	
Gasket material		NBR	

Performance is conditioned on the accuracy of customer's data and customer's ability to supply equipment and products in conformity therewith.

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