

Heat exchanger type
Danfoss Code

XB 30-1 16
004B1408

PED-Category	:	PED 97/23/EC Article 3.3	
Capacity	[kW]	20,0	
		Hot side	Cold side
Flowrate	[l/s]	0,211	0,260
Temperature in	[°C]	80,0	50,0
Temperature out	[°C]	60,0	70,0
Real temperature T12	[°C]	56,9	
LMTD	[°C]	8,4	
Pressure drop	[kPa]	6,7	8,3
Velocity in connections	[m/s]	0,4	0,4
Velocity in channels	[m/s]	0,114	0,123

PHYSICAL DIMENSIONS

Number / elem	:	7	8
Water volume	[l]	0,53	0,60
Max. working pressure	[bar]	25	25
Max. working temperature	[°C]	180	180
Oversurfacing	[%]	33,33	
All heatsurface	[m ²]	0,57	
Total weight	[kg]	5,4	

PHYSICAL PROPERTIES

Hot Side flow media		Water	
Cold Side flow media		Ethyl. Glycol 35%	
Heat capacity	[kJ/kgK]	4,189	3,763
Density	[kg/m ³]	978,7	1023,9
Viscosity	[mNs/m ²]	0,416	1,024
Thermal conductivity	[W/mK]	0,662	0,475
Re		1009	461

EXTERNAL DIMENSIONS [mm]

A - 438 B - 118 C - 385 D - 65 E - 49 F - 50 G - 478 H - 158 I - 47 J - 117,2

Plates:

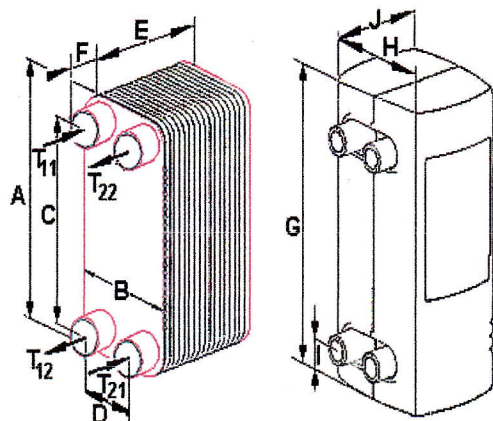
Material: Steel EN 1.4404 (AISI 316 L)

Connections:

Material: Steel EN 1.4301 (AISI 304)

Thread: G 1" A, Length 50 mm

Gasket: External flat gasket



T₁₁ Hot side in

T₁₂ Hot side out

T₂₁ Cold side in

T₂₂ Cold side out

Accessories