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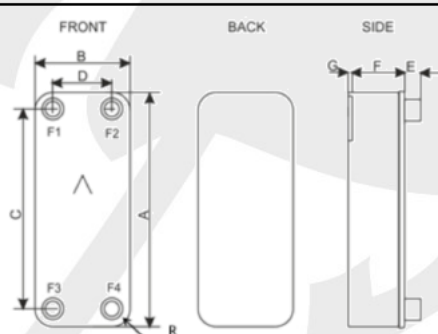
DUTY REQUIREMENTS		Side 1	Side 2
Fluid		Water	Water
Flow type		Counter-Current	
Circuit		Inner	Outer
Heat load	kW		176,0
Inlet temperature	°C	65,0	58,0
Outlet temperature	°C	60,0	63,0
Flow rate	m³/h	30,66	30,66
Thermal length		2,52	2,52

PLATE HEAT EXCHANGER		Side 1	Side 2
Total heat transfer area	m²		14,6
Heat flux	kW/m²		12,0
Mean temperature difference	K		2,0
Overall heat transfer coefficient required	W/m², °C		6020
Pressure drop - total*	kPa	19,7	19,2
- in ports	kPa	2,29	2,29
Port diameter (up/down)	mm	70,0/70,0	70,0/70,0
Number of channels per pass		59	60
Number of plates			120
Oversurfacing	%		-3
Fouling factor	m², °C/kW		-0,005
Reynolds number		2644	2527
Port velocity (up/down)	m/s	2,21/2,21	2,21/2,21
Channel velocity	m/s	0,275	0,271
Shear stress	Pa	44,6	43,2
Average wall temperature	°C	61,6	61,4
Largest wall temperature difference	K		0,3
Min./Max. wall temperature	°C	59,1/64,1	58,8/63,9

*Excluding pressure drop in connections.

TOTALS		Side 1	Side 2
Total weight empty (no connections)*	kg		61,27 - 64,94
Total weight filled (no connections)*	kg		91,67 - 95,34
Hold-up volume (Inner Circuit)	dm³		15,34
Hold-up volume (Outer Circuit)	dm³		15,6
Port size F1/P1	mm		70
Port size F2/P2	mm		70
Port size F3/P3	mm		70
Port size F4/P4	mm		70

DIMENSIONS



A	mm	525 ±2
B	mm	243 ±1
C	mm	430 ±1
D	mm	148 ±1
E	mm	54 (opt. 20) ±1
F*	mm	318,4 - 322,4 ±2%
G*	mm	2 - 4 ±1
R	mm	48

*Dimensions depend on the selected product.