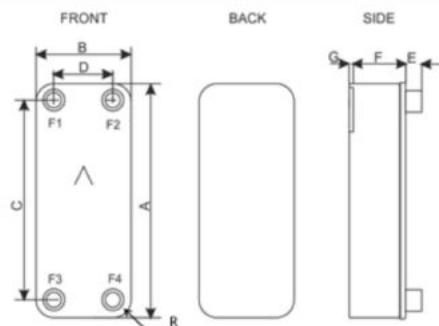


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DUTY REQUIREMENTS		Side 1	Side 2
Fluid		Water	Water
Flow type		Counter-Current	
Circuit		Inner	Outer
Heat load	kW	88,00	
Inlet temperature	°C	67,0	60,0
Outlet temperature	°C	62,0	65,0
Flow rate	m³/h	15,33	15,33
Thermal length		2,52	2,52
PLATE HEAT EXCHANGER		Side 1	Side 2
Total heat transfer area	m²		10,0
Heat flux	kW/m²		8,79
Mean temperature difference	K		2,0
Overall heat transfer coefficient required	W/m², °C		4400
Pressure drop - total*	kPa	25,6	24,9
- in ports	kPa	2,19	2,19
Port diameter (up/down)	mm	50,0/50,0	50,0/50,0
Number of channels per pass		49	50
Number of plates			100
Oversurfacing	%		49
Fouling factor	m², °C/kW		0,074
Reynolds number		1968	1875
Port velocity (up/down)	m/s	2,17/2,17	2,17/2,17
Channel velocity	m/s	0,302	0,296
Shear stress	Pa	39,1	37,9
Average wall temperature	°C	63,6	63,4
Largest wall temperature difference	K		0,2
Min./Max. wall temperature	°C	61,1/66,1	60,9/65,9
*Excluding pressure drop in connections.			
TOTALS		Side 1	Side 2
Total weight empty (no connections)*	kg		37,4 - 40,8
Total weight filled (no connections)*	kg		51 - 54,4
Hold-up volume (Inner Circuit)	dm³		6,86
Hold-up volume (Outer Circuit)	dm³		7
Port size F1/P1	mm		50
Port size F2/P2	mm		50
Port size F3/P3	mm		50
Port size F4/P4	mm		50

DIMENSIONS



A	mm	524 ±2
B	mm	202 ±1
C	mm	442 +1/-2
D	mm	120 ±1
E	mm	54 (opt. 27) ±2
F*	mm	179 - 183 ±3%
G*	mm	2 - 4 ±1
R	mm	41,6

*Dimensions depend on the selected product.