PSB - brazed heat exchanger

Principais Caraterísticas

• Protection plates in stainless steel AISI 316L;
• Connections in stainless steel AISI 316L;
• Plates in stainless steel AISI 316L;
• Braze welding in copper;

Elements required for sizing:

• Required flows or thermal load;
• Temperature program;
• Physical properties of the fluids involved;
• Desired operating pressure;
• Maximum load loss allowed.

Descrição do Produto

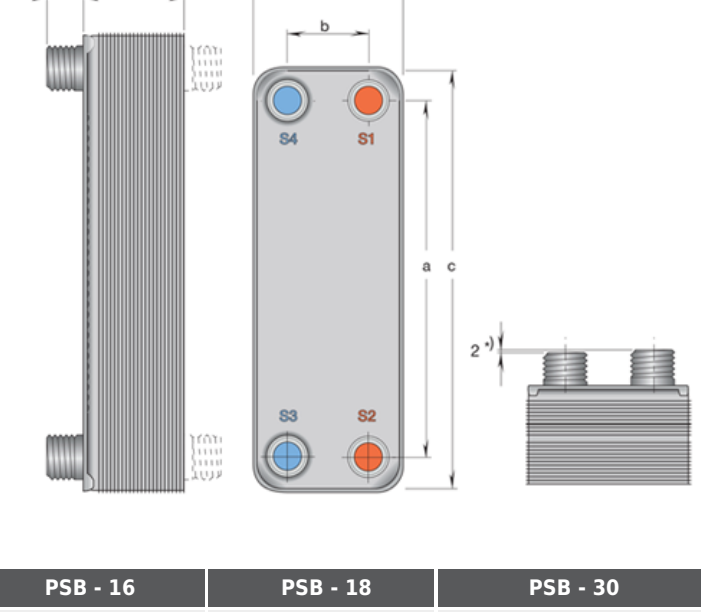
The braze welded plate heat exchanger is constructed out of stainless steel AISI316L. The heat exchange surface is comprised of thin corrugated metal plates, overlapped, forming a pile. Between those plates channels are formed and the corner openings are arranged in such a way that allow the two fluids to circulate through alternating channels, always in counter-flow. The fluids are maintained in the unit with a braze welded seam along the entire perimeter of the plates. The contact points of the plates are also braze welded to withstand the pressure of the fluids involved. The set of plates is protected by cover plates where the hydraulic connections are installed. Insulation is supplied separately, see plate heat exchanger accessories.

Modelos e Preços

Código	Modelo
1803-0101	PSB 16-9 Brazed Heat Exchanger
1803-0102	PSB 16-13 Brazed Heat Exchanger
1803-0103	PSB 16-17 Brazed Heat Exchanger
1803-0104	PSB 16-25 Brazed Heat Exchanger
1803-0105	PSB 16-35 Brazed Heat Exchanger
1803-0201	PSB 18-15 Brazed Heat Exchanger
1803-0202	PSB 18-23 Brazed Heat Exchanger
1803-0203	PSB 18-29 Brazed Heat Exchanger
1803-0204	PSB 18-39 Brazed Heat Exchanger
1803-0301	PSB 30-10L Brazed Heat Exchanger

Dimensões

	a	b	c	d	e	A	Kg
PSB 16	172	40	210	73,5	20	8 + (n x 2,16)	0,267 + (n x 0,04)
PSB 18	278	40	319	78	20	6,5 + (n x 2,2)	0,2 + (n x 0,053)
PSB 30	250	45	313	113	45	13 + (n x 2,31)	1,2 + (n x 0,10)



TECHNICAL DATA	PSB - 16	PSB - 18	PSB - 30
Maximum / Minimum temperature (ºC):	225/-196	225/-50	225/-196
Maximum Pressure (bar):	32	30	40
Volume / Channel (S3-S4/S1-S2) litres:	0,0232	0,039	0,054
Maximum flow (S3-S4/S1-S2) m³/h:	3,6	4,6	14,5
Height a (mm):	210	319	313
Width b (mm):	73,5	78	113
Vertical distance between connections (mm):	172	278	250
Horizontal distance between connections (mm):	40	40	50
Thickness of the heat exchanger (mm):	(n x 2,16) 8	(n x 2,2) 6.5	(n x 2,31) 13
Weight (kg):	(n x 0,04) 0.267	(n x 0,053) 0.2	(n x 0,10) 1.2
Connections " {S3-S4/S1-S2}:	3/4"	3/4"	1" / 1 1/4"
Plate material:	AISI 316	AISI 316	AISI 316, AISI 254
Connections material:	AISI 316	AISI 316	AISI 316
Braze material:	Copper	Copper	Copper
Maximum No. of plates:	60	50	150