SERIES BR

BRAZED PLATE HEAT EXCHANGER

Datasheet

Features
Dimensions

100	8.1 US GPM	435 PSI	437°F
Max Nb of plates	Flow	Max. Pressure	Max. Temperature

The BPHE is in principle built up by a plate package of corrugated channel plates between front and rear cover-plate packages. The cover plate packages consist of sealing plates, blind rings and cover plates. During the vacuum-brazing process, a brazed joint is formed at every contact point between two plates. The design creates a heat exchanger that consists of two separate circuits. The design options of the brazed heat exchanger are extensive. Different plate patterns are available for various duties and performance specifications. You can choose a standard configuration BHE, or a unit designed according to your own specific needs.

APPLICATIONS

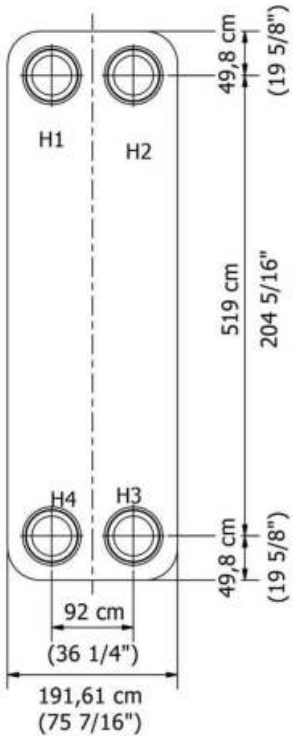
- HVAC heating/cooling
- Refrigerant applications
- Industrial cooling/heating
- Oil cooling

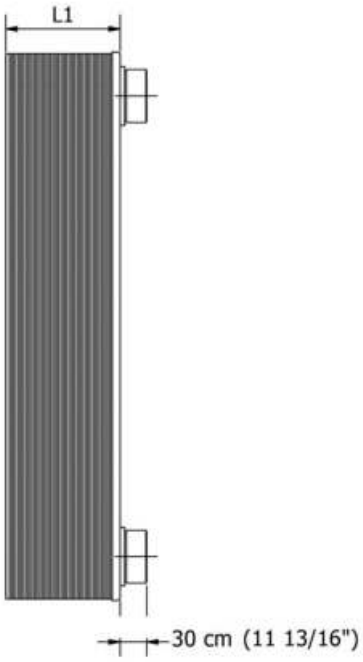
CONNECTIONS

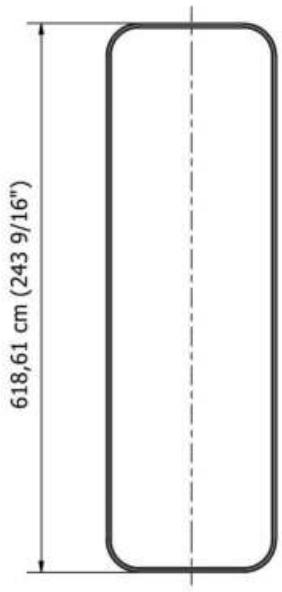
- Male Thread
- Female Thread
- Flange
- SAE Flange
- Welding

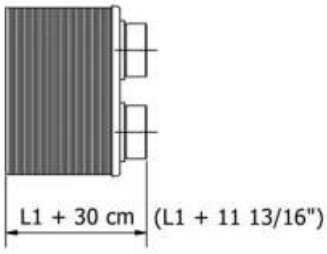
BPHE PLATES & CHANNEL TYPES

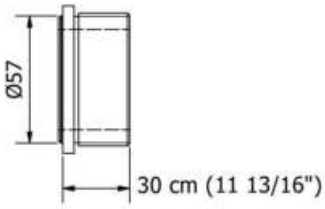
BPHEs are available with different types of channel plates were the herringbone pattern varies. The chevrons can be obtuse (high theta plate, D) or acute (low theta plate, X).



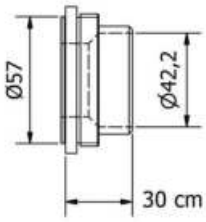








PIPE THREAD ISO7-R 2"



Ø42,2 PIPE BRAZING CONNECTION

MODEL	DIMENSIONS (IN/MM)							WEIGHT
	Width	Height	Length	lorizonta Port Distance	Vertica Port istanc	Max Pressure (Mpa)	ax Flowra (m3/h)	Weight (kg)
BL14	78 3.07	206 8.11	9+2.3 0.35+0.09n	42 1.65	172 6.77	3 435.11	3.6 15.85	06+06n 1.32+132n
BL20	76 2.99	310 12.20	9+2.3 0.35+0.09n	42 1.65	282 11.10	3 435.11	3.6 15.85	1.0+0.08n 2.20+0.18
BL26	111 4.37	310 12.20	10+2.36n 0.39+0.09n	50 1.94	250 9.84	3/4.5 435.11/652.66	8.1 35.67	1.3+0.12n 2.87+0.26
BL26C	124 4.88	304 11.97	13+2.4n 0.51+0.09!	70 2.76	250 9.84	3 435.11	8.1 35.67	2.2+0.16n 4.85+0.35
BL50	111 4.37	525 20.67	10+2.35n 0.39+0.09n	50 1.97	466 18.35	3/4.5 435.11/652.66	12.7 55.92	2.6+0.19n 5.73+0.42n
BL95	191 7.52	616 24.25	11+2.35n 0.43+0.09n	92 3.62	519 20.43	3/4.5 435.11/652.66	39 171.74	7.8+0.36n 17.19+0.79n
BL120	246 9.69	528 20.79	13+2.36n 0.51+0.09n	174 6.85	456 17.95	3 435.11	42 184.95	7.2+0.52 15.87+1.15n
BL190	307 12.09	696 27.40	13+2.75n 0.51+0.11n	179 7.05	567 22.32	3 435.11	100 44.35	12.5+0.72n 27.56+1.59n
BL200	321 12.64	738 29.06	13+2.7n 0.51+0.11n	188 7.40	603 23.74	2.1 304.58	100 440.35	13+0.75n 27.56+1.65n
BL600	429 16.89	1398 55.04	22+2.78n 0.87+0.11n	220 8.66	1190 46.85	1.5 217.56	300 1321.05	31.8+1.73 70.11+3.81n
BL100*	248 9.76	495 19.49	10+2.15n 0.39+0.09n	157 6.18	405 15.94	3/4.5 435.11/652.66	42 184.95	6.5+0.37n 14.33+0.82n
BL210*	322 12.68	739 29.09	13+2.55n 0.51+0.11n	205.2 8.08	631 24.84	3/4.5 435.11/652.66	100 44.35	13+0.78n 28.66+1.72n