



BRAZED PLATE LIQUID-TO-LIQUID HEAT EXCHANGERS

PRODUCT DESCRIPTION

Boyd's brazed-plate heat exchangers are unsurpassed for liquid-to-liquid heat transfer. Their innovative design packs maximum performance into a compact and reliable package. We offer copper brazed heat exchangers for use with water, EGW and other common coolants or nickel brazed heat exchangers for high purity and other corrosive coolants.



BRAZED PLATE LIQUID-TO-LIQUID HEAT EXCHANGERS TECHNICAL SPECIFICATIONS

	LL510G12	LL520G12	LL810G12	LL820G12	LL510G14	LL520G14	LL810G14	LL820G14	
Plate Material	AISI 316L Stainless Steel								
Braze Material	Copper 99.9%				Nickel 99.7%				
# of Plates	10	20	10	20	10	20	10	20	
Dry Weight	kg (lb)	1.2 (2.6)	1.7 (3.7)	2.1 (4.9)	2.9 (6.7)	1.2 (2.6)	1.7 (3.7)	2.1 (4.9)	2.9 (6.7)
Size	mm (in)	188 (7.4)	188 (7.4)	310 (12.2)	310 (12.2)	188 (7.4)	188 (7.4)	310 (12.2)	310 (12.2)
Fittings	3/4" MNPT								
Maximum Operating Pressure	31 bar (450 psi)				16 bar (232 psi)				
Maximum Operating Temperature	195°C (383°F)				350°C (662°F)				
Minimum Operating Temperature	-195°C (-319°F)				-195°C (-319°F)				
Maximum Flow Rate	76 lpm (20 gpm)								

BRAZED PLATE LIQUID-TO-LIQUID HEAT EXCHANGERS FEATURES

- Extremely efficient counterflow design allows 90% of the material to be used for heat transfer. The heat exchangers are up to 80-90% smaller than a conventional shell-and-tube design.
- Reliable and rugged heat exchanger with stainless steel sheets brazed together at the edges and at a matrix of contact points.
- Our Copper-brazed units are compatible with water, EGW, and other common coolants. Nickel-brazed units are compatible deionized water, high purity, and corrosive fluids.
- Copper-brazed units can be operated at temperatures of up to 383°F (195° C) and pressures up to 450 psig (31 bar). The Nickel-brazed units can be operated at temperatures of up to 662°F (350°C) and pressures up to 232 psig (16 bar).

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