



Lytron'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.

- **High performance in a small package:** Lytron's liquid-to-liquid heat exchangers are up to 80-90% smaller in volume and weight than a conventional shell-and-tube design. The counterflow design utilizes stainless steel sheets stamped with a herringbone pattern of grooves, stacked in alternating directions to form separate flow channels for the two liquid streams. This allows 90% of the material to be used for heat transfer, making it extremely efficient.
- **High reliability:** The plates are brazed together at the edges and at a matrix of contact points between sheets, ensuring that the heat exchangers are highly reliable and rugged.
- **Copper- and nickel-brazed versions for compatibility with a wide range of fluids:** We offer copper-brazed units for use with water, EGW, and other common coolants. Our nickel-brazed units are appropriate for use with deionized water, high purity, and corrosive fluids.
- **High operating temperatures and pressures:** Copper-brazed units can be operated at temperatures of up to 383°F (195°C) and pressures up to 450 psig (31 bar). Nickel-brazed units can be operated at temperatures of up to 662°F (350°C) and pressures up to 232 psig (16 bar).

≡ Liquid-to-liquid heat exchanger subassembly with custom hoses and fittings



Customization Options

Liquid-to-liquid heat exchangers can be supplied as subassemblies with fittings, hoses, and other accessories.

See page 92 for more custom heat exchangers.

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