

ECONOPLATE BARE PLATE BRAZED HEAT EXCHANGERS

For applications requiring the transfer of heat or cooling from one system to another, as a pressure break or system separation, Stokvis have an extensive range of Bare Plate Brazed Heat Exchangers to suit. Brazed Plate Heat Exchangers provide outstanding efficiency transferring heat from one medium to another. They are designed to provide unparalleled performance with very low life-cycle cost. With no need for gaskets or supporting equipment, about 95% of the material is used to transfer heat. The robust construction requires no gaskets, eliminating the risk of leaking. This means stable thermal and hydraulic performance, with minimal maintenance. The flow turbulence created promotes maximum heat transfer enabling approach temperatures of less than 1°C and a reduced risk of fouling. In applications with a high risk of fouling (or scaling), Cleaning in Place (CIP) is easy without disassembly. With their high efficiency, Plate Heat Exchangers conserve space and floor loadings far beyond what is possible with an identical duty shell & tube heat exchanger; typically a Brazed Plate Heat Exchanger may have a footprint one-tenth that of a shell & tube equivalent. Their lighter weight makes transportation and rigging less costly.

SPECIFICATION (DEPENDANT ON MODEL)

- Plate Arrangement: One or Two Pass
- Plate Configuration: Diagonal or Parallel Flow
- Plate Material: Stainless Steel - 1.4301, 1.4401, 1.4404, 1.4547 (304, 316, 316L Low Carbon, 254 SMO Molybdenum)
- Plate Brazing Material: Copper, Nickel, Stainless Steel
- Connection Port Sizes: 4.5-150.0mm
- Connection Types: Threaded Pipe, Flanged, Solder Neck, Weld Neck
- Media: Water, Steam, Ethylene Glycol (aq), Refrigerant
- Pressure (Design): 8-140bar
- Temperature (Design): -196°C to +225°C

OPTIONAL EXTRAS

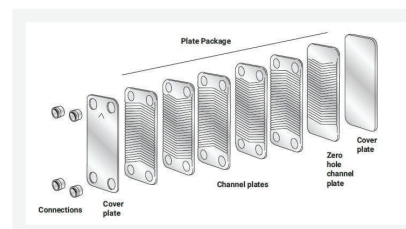
- Thermal Insulation Cover
- Counter Connections
- Support Legs & Wall Mounting Kit

RELATED PRODUCTS

- Econoplate C, E & i Series Packaged Plate Heat Exchangers
- Econoplate BV Series Combined Plate Heat Exchanger & Buffer Vessel Packages
- Econoplate H Series Heat Interface Units (HIU)
- Econoplate Bare Plate Gasketed Heat Exchangers
- Buffer Vessels, Immersion Heaters & Unvented Kits (Boosted or Direct on Mains)
- + many more - please contact our Technical Sales Team to discuss

APPLICATIONS

- Domestic Hot Water Service (DHWS)
- Low Temperature Hot Water (LTHW)
- Medium Temperature Hot Water (MTHW)
- Chilled Water / Free Cooling
- District Schemes (Heating & Cooling)
- Heat Recovery e.g. Heat Pumps
- Pressure Breaks / System Separation
- Process e.g. Steam to Water
- Refrigeration
- Solar
- Swimming Pool Heating



ECONOPLATE BARE PLATE GASKETED HEAT EXCHANGERS

For applications requiring the transfer of heat or cooling from one system to another, as a pressure break or system separation, Stokvis have an extensive range of Bare Plate Gasketed Heat Exchangers to suit. Gasketed Plate Heat Exchangers provide outstanding efficiency transferring heat from one medium to another. The modular design combines various frames, plates and connections to form a variety of configurations. By using different types of plates, with different characteristics, the exchangers can be adapted to a wide variety of applications. The exchangers can easily be disassembled for inspection, maintenance or expanded by adding plates. The flow turbulence created promotes maximum heat transfer enabling approach temperatures of less than 1°C and a reduced risk of fouling (self cleaning). The units typically offer "U" or "K" values 3 to 6 times higher than shell & tube exchangers. With their high efficiency, Plate Heat Exchangers conserve space and floor loadings far beyond what is possible with an identical duty shell & tube heat exchanger; typically a Gasketed Plate Heat Exchanger may have a footprint one-fifth that of a shell & tube equivalent. Their lighter weight makes transportation and rigging less costly.

SPECIFICATION (DEPENDANT ON MODEL)

- Plate Arrangement: Single or Multi Pass
- Plate Configuration: Diagonal (D) or Parallel (P) Flow
- Plate Material: Stainless Steel (1.4301(304), 1.4401(316)), Titanium
- Plate Thickness: 0.4, 0.5, 0.6mm
- Plate Gasket Material: NBR, NBR(P), EPDM, Viton
- Connection Port Sizes: DN25-DN500
- Connection Types: Threaded Pipe, Flanged, Studded Port, Weld Neck
- Media: Water, Steam, Ethylene Glycol (aq), Sewage (Filtered)
- Pressure (Design): 6, 10, 25bar (N, P, S Frame)
- Temperature (Design): -20°C to +180°C

OPTIONAL EXTRAS

- Thermal Insulation Jacket
- Drip Tray
- Spray Shroud

RELATED PRODUCTS

- Econoplate C, E & i Series Packaged Plate Heat Exchangers
- Econoplate BV Series Combined Plate Heat Exchanger & Buffer Vessel Packages
- Econoplate H Series Heat Interface Units (HIU)
- Econoplate Bare Plate Brazed Heat Exchangers
- Buffer Vessels, Immersion Heaters & Unvented Kits (Boosted or Direct on Mains)
+ many more - please contact our Technical Sales Team to discuss

APPLICATIONS

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- Chilled Water / Free Cooling
- District Schemes (Heating & Cooling)
- Heat Recovery e.g. Heat Pumps, Sewage
- Pressure Breaks / System Separation
- Process e.g. Steam to Water
- Swimming Pool Heating

