

Basco® Type 500 Heat Exchangers.

If you're looking for the industry leader in value and long-term reliability, look no further than the Basco® Type 500 shell and tube heat exchanger. The Type 500 is cost-effective like a standard design, but with the versatility to be customized for your specific needs. Units are available as Commercial Standard, ASME, and ASME with TEMA-C.

Performance notes.

- Cost-effective, standard design for maximum performance at minimum cost
- Readily available with short lead times
- Uses precision-punched baffles to minimize fluid bypass and maximize heat transfer
- Manufactured for a wide range of duties in state-of-the-art ISO-certified facilities

Features and specifications.

- Removable and non-removable straight tube or U-tube bundles
- One-, two-, and four-pass designs
- High-strength shells in carbon steel or stainless steel
- Tubesheets are welded to the shell; holes are precision drilled for proper fit and sealing
- Baffles are hot-rolled punched steel for enhanced strength and reliability – engineered for correct fit to reduce tube wall damage from high-velocity liquids or gases
- Tubes are available in a range of materials, depending on the application, and are roller expanded using controlled pressure to ensure proper bond
- Heavy-duty mounting brackets can be reversed or rotated; slotted holes allow for quick install
- Fabricated end bonnet heads are standard on TEMA-C and some ASME units; zinc anodes available for added protection
- Connections available, threaded or flanged, in 3 in., 4 in., 5 in., 6 in., and 8 in. diameters – additional connections can be added



Applications.

- Compressor systems
- Hydraulic systems
- Stationary engines
- Marine applications
- Turbines
- Paint systems
- Air dryers
- Vapor recovery systems
- Sterilizing systems
- Lube oil consoles

Materials of construction.

SHELL Carbon steel, stainless steel

TUBES Copper, admiralty, 90/10 CuNi, stainless steel, carbon steel, titanium

TUBESHEETS Carbon steel, stainless steel, 90/10 CuNi

BONNETS Cast iron, cast bronze, 304/316 stainless steel, carbon steel

BAFFLES Carbon steel, brass, 304/316 stainless steel

Standard ratings.

DESIGN PRESSURE

Shell side: 300 PSI (TEMA-C/ASME: 150 PSI)

Tube side: 150 PSI (TEMA-C/ASME: 150 PSI)

DESIGN TEMPERATURE

300°F (stainless higher)

TEST PRESSURE

All units tested pneumatically or hydrostatically

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GLOBAL MANUFACTURING LOCATIONS: **USA:** New York: Buffalo; Wisconsin: Franklin, Iron Ridge and Racine

Germany: Bretten | **China:** Shanghai and Suzhou

