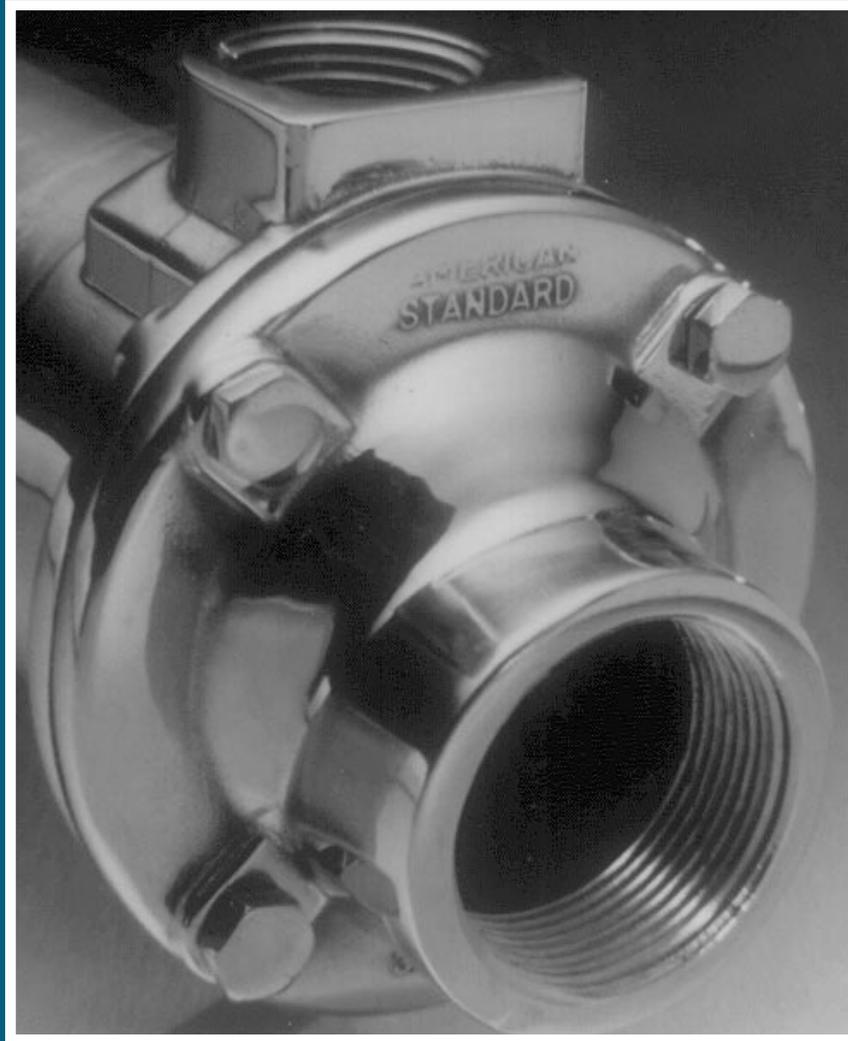


SSCF® Stainless Steel Heat Exchangers



Compact.

Rugged.

Thermally Efficient.

All 316 SS.

ITT Standard

A unit of ITT Fluid Technology Corporation

Durable. Flexible design.

SSCF heat exchangers are compact, rugged, and ideal for heating or cooling corrosive fluids in chemical, pharmaceutical, and refining processes.

Every SSCF unit is pre-engineered, with 316 stainless steel on all fluid contact areas on both the shell and tube sides. Bolting and support feet on standard units are carbon steel, with the option of stainless steel. Optional bonnets are also available in cast iron or cast bronze. In addition, most models can be furnished to meet ASME code, if required.

With the choice of one-, two-, and four-pass configurations, and with heat transfer surfaces ranging from 1.2 to 576 square feet, SSCF offers a low-cost, thermally efficient, dependable solution to your process fluid temperature control needs.

Expertise.

The benefit of more than seventy-five years of research, design capability, and experience in heat transfer is behind the construction of every SSCF unit. That experience is evident in a manufacturing process that yields consistently high results and has received ISO 9001 registration.

If you need a special solution to a difficult heat transfer problem, call us first. Our pre-engineered designs often permit special problems to be solved with standard solutions.

Quality.

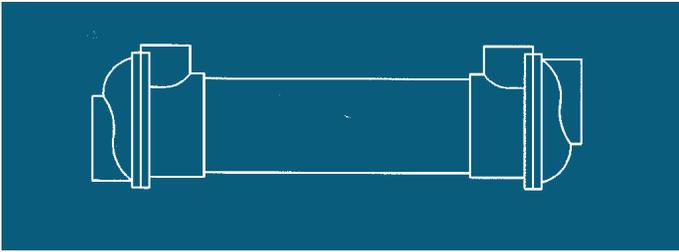


Service. Fast delivery.

When your heating or cooling process application requires a stainless steel heat exchanger, it shouldn't take months to get it. With SSCF it won't.

To meet your specific needs in the shortest amount of time, parts and subassemblies, as well as on-the-shelf heat exchangers, are kept in stock. This means you can have a pre-engineered or precision-crafted unit made quickly to suit your application. Even replacement parts are available on short notice.

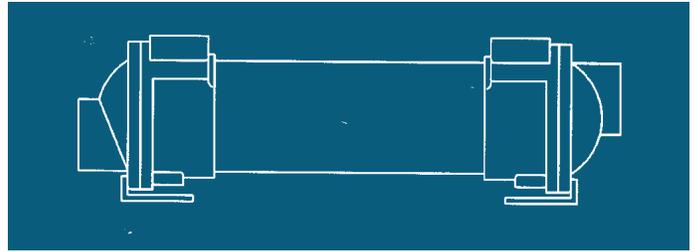
2-inch



SINGLE-PASS ONLY

Figure 1 Single-pass

3-, 4-, 5-, 6-, and 8-inch



SINGLE, TWO, OR FOUR-PASS

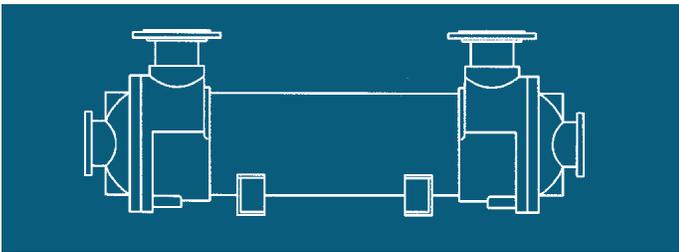
ASME code if required.*

Figure 2 & 3 Single-pass

Figure 4 Two-pass

Figure 5 & 6 Four-pass

10- and 12-inch

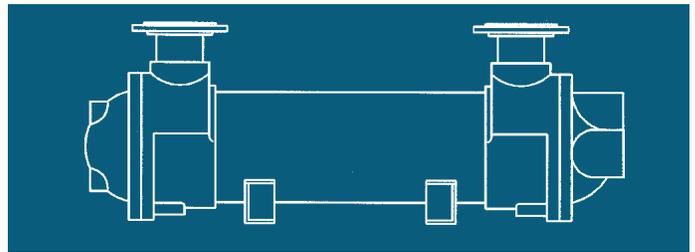


FLANGED CONNECTIONS. SINGLE PASS

Flanged shell side connections.
Flanged tube side connections.

Figure 7 Single-pass

10- and 12-inch



TWO OR FOUR-PASS

Flanged shell side connections.

NPT connections on 10" two- and four-pass units.

NPT connections on tube side of 12" four-pass units.

Flanged tube side connections on tube side of 12" two-pass units.

Figure 8 Two-pass (threaded)

Figure 10 Four-pass (threaded)

Figure 9 Two-pass (flanged)

See detailed information on last two pages of this brochure.

* 4-inch through 12-inch can be furnished to ASME Code Section VIII, Division 1, if required.

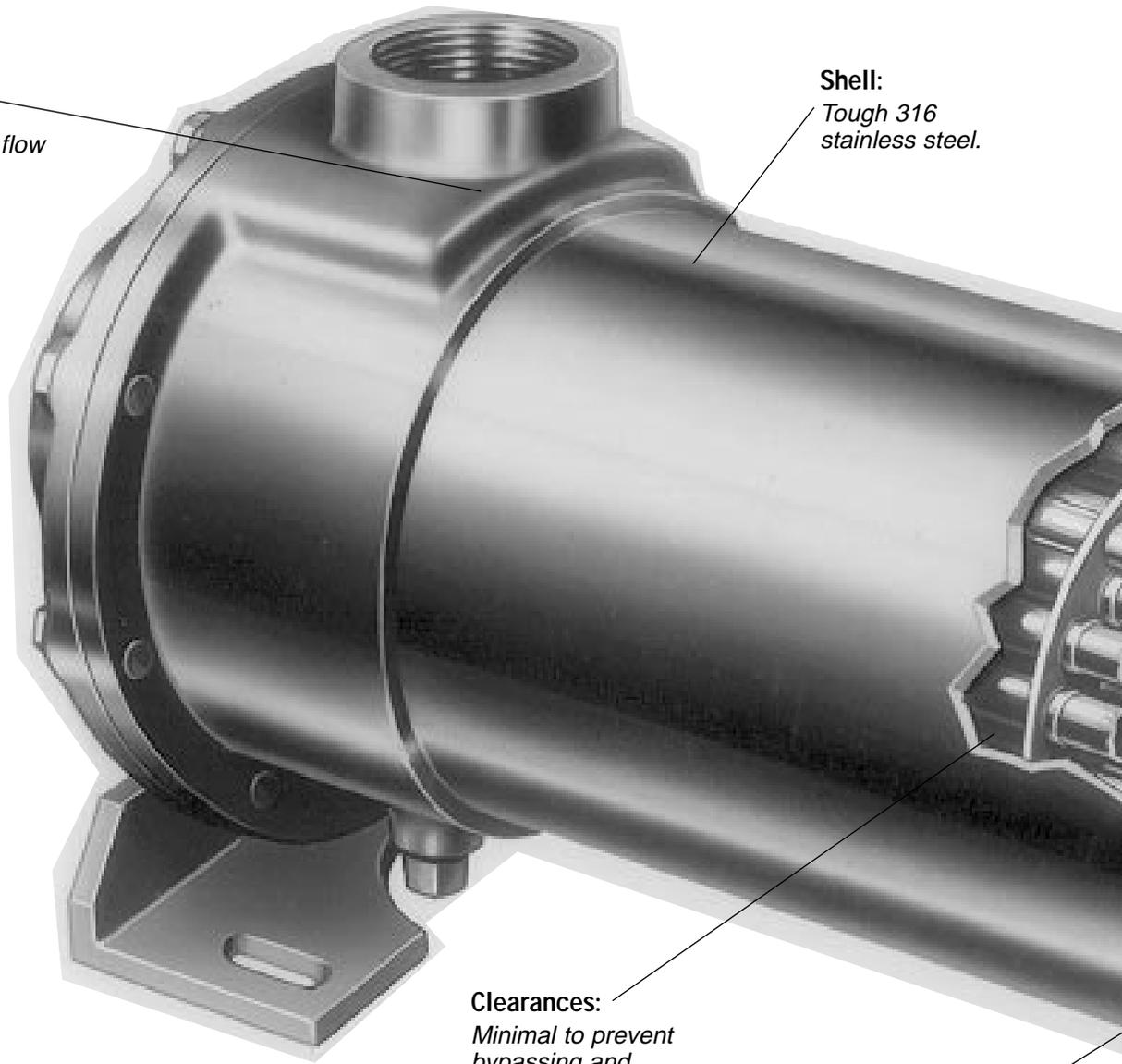
SSCF STAINLESS STEEL

Entrance Ports:

Enlarged under connections for unrestricted fluid flow into bundle.

Shell:

Tough 316 stainless steel.



Clearances:

Minimal to prevent bypassing and ineffective areas.

Baffles:

Close tolerance baffles with flanged lips ensure large tube contact area.

NOTE: Diagram represents 2" - 8" units.

EL HEAT EXCHANGERS

The SSCF is the perfect low-cost and dependable solution to your process fluid temperature control problems.

Baffles:

The spacing is set to optimize heat transfer and reduce pressure loss.

Carbon Steel Bolting:

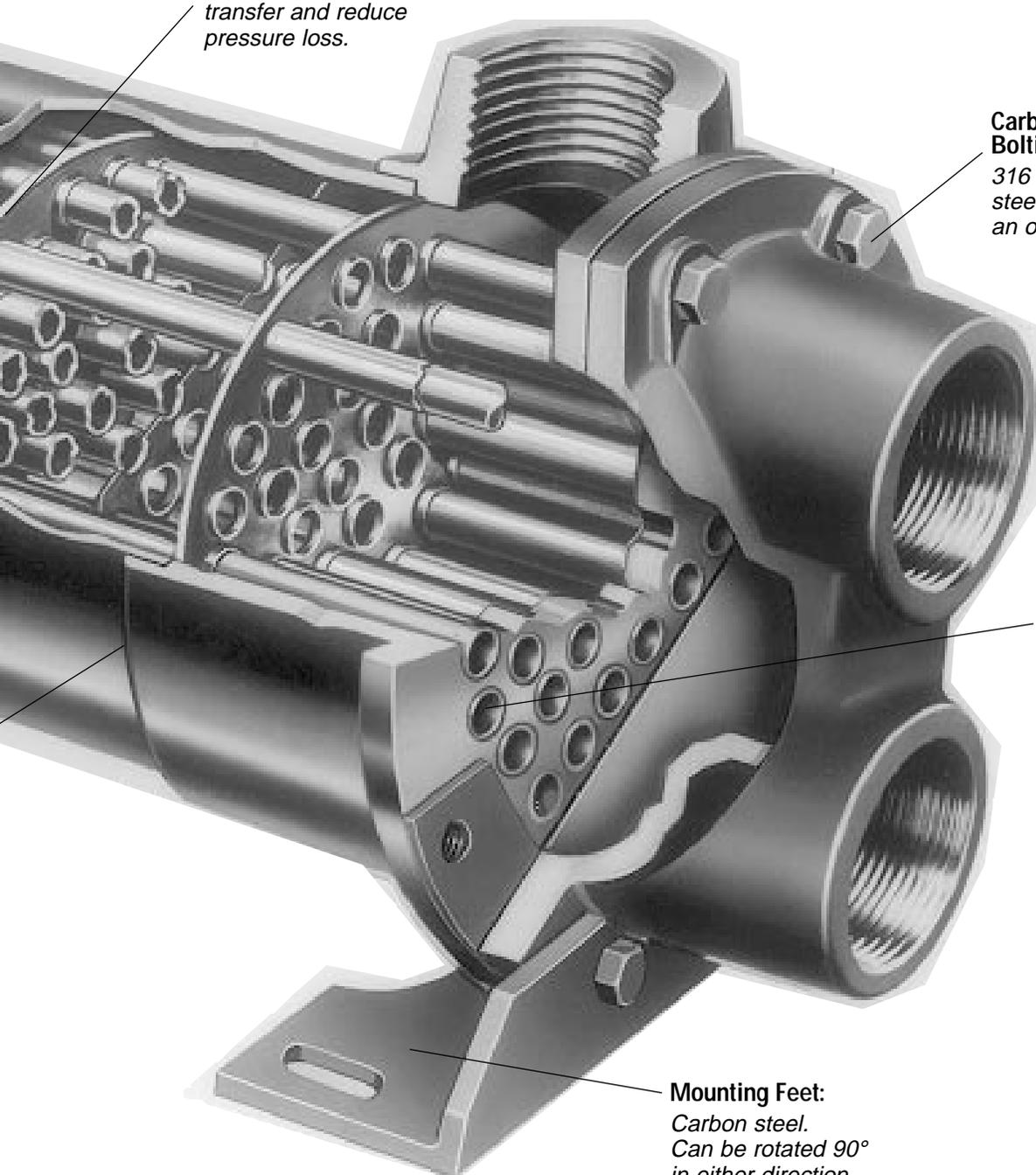
316 stainless steel available as an option.

Tubes:

Straight tubes are easy to clean and are roller expanded into tube sheets for tight, leakproof fit.

Mounting Feet:

*Carbon steel.
Can be rotated 90° in either direction.*



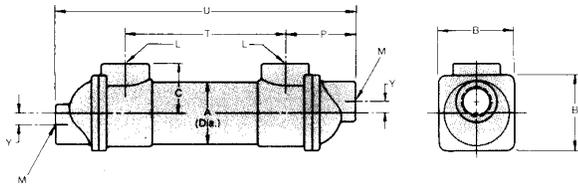


Fig. 1 2" DIAMETER, SINGLE-PASS

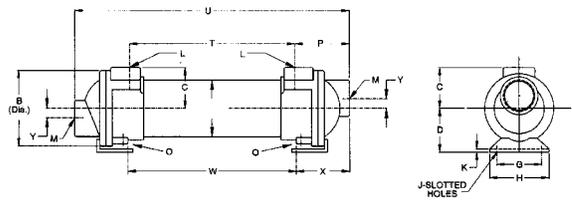


Fig. 2 3" DIAMETER, SINGLE-PASS

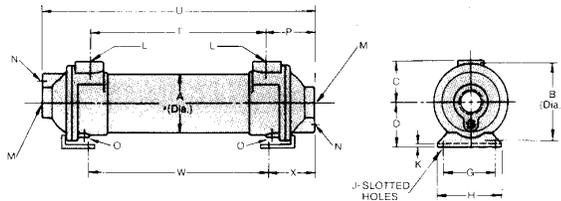


Fig. 3 4", 5", 6", & 8" DIAMETER, SINGLE-PASS

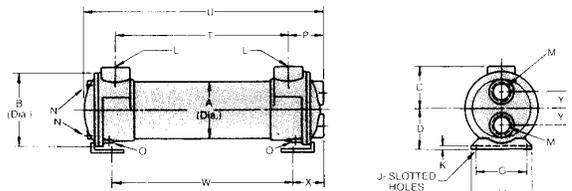


Fig. 4 3", 4", 5", 6", & 8" DIAMETER, TWO-PASS

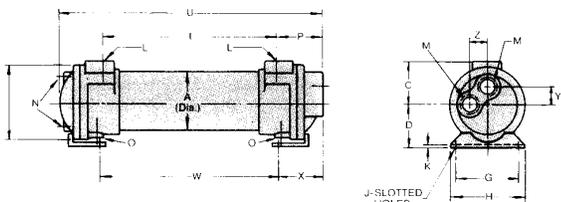


Fig. 5 3", 4", 5" & 6" DIAMETER, FOUR-PASS

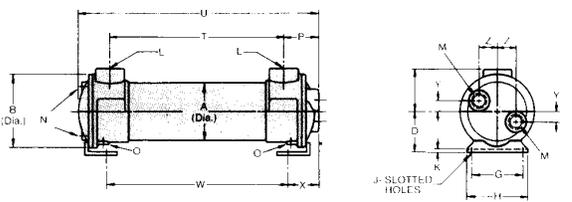


Fig. 6 8" DIAMETER, FOUR-PASS

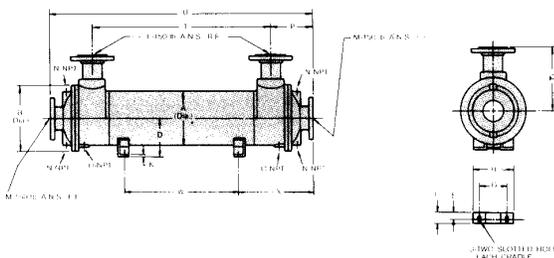


Fig. 7 10" & 12" DIAMETER, SINGLE-PASS

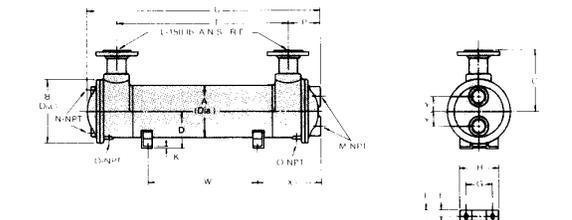


Fig. 8 10" DIAMETER, TWO-PASS

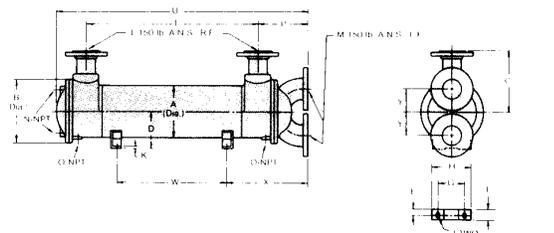


Fig. 9 12" DIAMETER, TWO-PASS

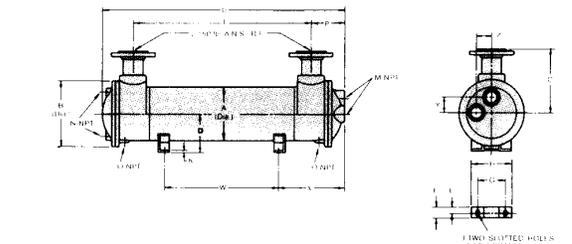


Fig. 10 10" & 12" DIAMETER, FOUR-PASS (threaded tube side connections)