

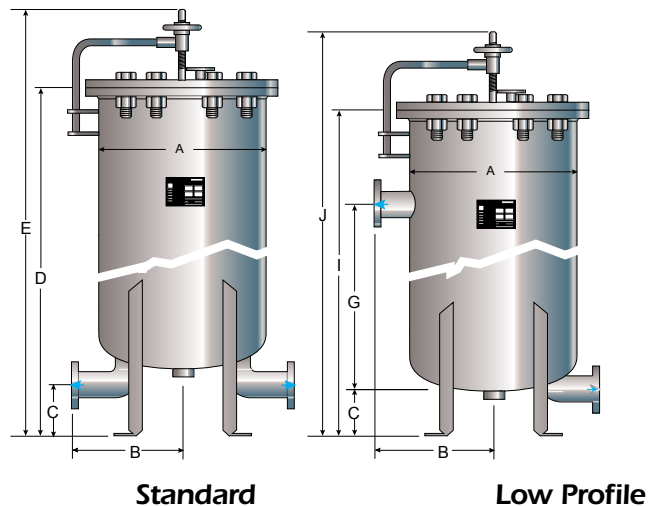
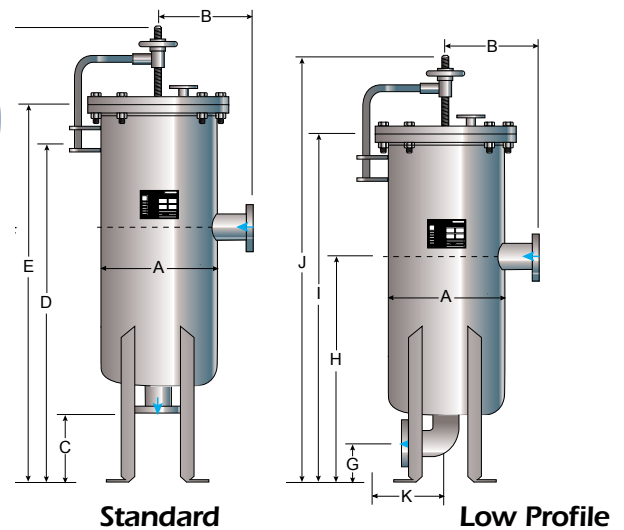
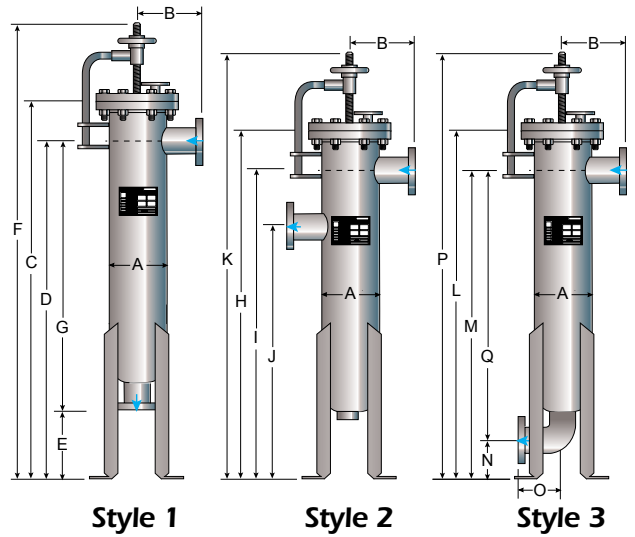
Heat Transfer Fluid Filtration

300°F to 700°F

Heat transfer fluids are used for the indirect heating of processes by circulating the fluid between hot oil boilers, molds, tanks, extruders, and reactor vessels. The fluids are subjected to temperatures ranging from 300-700°F. These fluids can become contaminated from system construction, millscale, and oxidization by-products resulting in the formation of sludge. This contamination can cause operational problems such as pump shaft seal leakage, valve stem wear, plugging of heat exchangers and flow passages. Rosedale's HT Line of filters can solve your thermal fluid contamination problems. Particle removal is offered via glass fiber or stainless steel cartridges and wire cloth lined baskets. The filter vessels are offered in a variety of pipe sizes with flows to several hundred gallons per minute. The filter cartridges are accessed through an easily opened lid and can quickly be serviced. Duplex and multiplex arrangements are available for uninterrupted operation.

Features

- ANSI class 150 design
- Temperature ratings of 285 PSI @ 100°F to 85 PSI @ 700°F
- Housings available in carbon steel, 304, and 316 stainless steel
- Covers blind fig



INDEX

HEAT TRANSFER FLUID AND OIL FILTRATION SYSTEM

| | | STYLE 1 | | | | | | | STYLE 2 | | | | | STYLE 3 | | | | |
|-----------|-----------|---------|-----|------|------|------|------|------|---------|------|------|------|------|---------|-----|-----|------|------|
| Model No. | Pipe Size | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q |
| HT8-30 | 2 | 8.62 | 7.5 | 57.4 | 50.4 | 12.0 | 68.0 | 38.4 | 49.5 | 42.5 | 34.5 | 60.1 | 49.5 | 42.5 | 4.5 | 5.0 | 60.1 | 38.0 |

| | | STYLE 1 | | | | | | | STYLE 2 | | | | | | |
|-----------|-----------|---------|-----|------|------|------|------|------|---------|------|-----|-----|------|------|------|
| Model No. | Pipe Size | A | B | C | D | E | F | G | H | I | J | K | L | M | |
| HT86-30 | 3/4 | 8.62 | 7.5 | 54.4 | 38.3 | 12.0 | 65.0 | 26.3 | 44.5 | 28.5 | 4.5 | 5.0 | 55.1 | 24.0 | |
| | 1 | | | | | | | | 44.9 | 28.8 | | | 55.5 | 24.3 | |
| | 1-1/4 | | | | | | | | 45.2 | 29.1 | | | 55.8 | 24.6 | |
| | 1-1/2 | | | | | | | | 45.6 | 29.6 | | | 56.2 | 25.1 | |
| | 2 | | | | | | | | 46.3 | 30.3 | | | 56.9 | 25.8 | |
| | 3 | | | | | | | | 48.4 | 32.4 | | | 5.3 | 7.3 | 59.1 |

| | | Standard | | | | | Low Profile | | | | |
|-----------|-----------|----------|------|------|------|------|-------------|------|-----|------|------|
| Model No. | Pipe Size | A | B | C | D | E | F | G | H | I | J |
| HT18-30 | 2 | 18.0 | 11.1 | 4.50 | 42.9 | 54.4 | 14.0 | 15.0 | 8.0 | 39.7 | 51.3 |
| | 3 | | 12.9 | 5.25 | 45.3 | 56.9 | 15.0 | 17.0 | 9.0 | 40.7 | 52.3 |
| | 4 | | 14.6 | 6.0 | 47.7 | 59.2 | N/A | N/A | N/A | N/A | N/A |

| | | Standard | | | | | Low Profile | | | | | |
|-----------|-----------|----------|------|------|------|------|-------------|-----|------|------|------|-----|
| Model No. | Pipe Size | A | B | C | D | E | F | G | H | I | J | K |
| HT1825-30 | 2 | 18.0 | 13.0 | 12.0 | 39.6 | 55.1 | 66.7 | 4.5 | 31.6 | 47.1 | 58.6 | 5.5 |
| | 3 | | | | | | | 5.3 | 33.8 | 49.3 | 60.8 | 7.3 |
| | 4 | | | | | | | 6.0 | 36.0 | 51.5 | 63.0 | 9.0 |

| | | Standard | | | | | Low Profile | | | | | |
|-----------|-----------|----------|------|------|------|------|-------------|-----|------|------|------|------|
| Model No. | Pipe Size | A | B | C | D | E | F | G | H | I | J | K |
| HT2447-30 | 2 | 24.0 | 16.0 | 12.0 | 41.1 | 56.6 | 68.5 | 4.5 | 33.1 | 48.6 | 60.5 | 5.5 |
| | 3 | | | | | | | 5.3 | 35.3 | 50.8 | 62.7 | 7.3 |
| | 4 | | | | | | | 6.0 | 37.5 | 53.0 | 64.9 | 9.0 |
| | 6 | | | | | | | 7.0 | 41.4 | 56.9 | 68.8 | 12.5 |

Dimensions are reference only and should not be used for hard plumbing. Consult factory for certified drawings.

How To Order Housings

Build an ordering code as shown in the example.

Example : **HT8-30-3F-2-85-S-F-M-50-BJ-C**

| | |
|--|--|
| MODEL | |
| Single Basket = HT8-30 | |
| Multiple Basket (3) = HT*18-30 | |
| Multiple Basket (6) = HT*24-30 | |
| Multiple Cartridge (6) = HT86-30 | |
| Multiple Cartridge (25) = HT*1825-30 | |
| Multiple Cartridge (47) = HT*2447-30 | |
| *HTLP for low profile | |
| PIPE SIZE | |
| 150 class ANSI flange | |
| 1-inch = 1F | |
| 2-inch = 2F | |
| 3-inch = 3F | |
| 4-inch = 4F | |
| 6-inch = 6F | |
| OUTLET STYLE | |
| Side / Bottom = 1 | |
| Side / Side = 2 | |
| PRESSURE RATING | |
| 85 PSI @ 700°F = 85 | |
| HOUSING MATERIAL | |
| Carbon steel = C | |
| Stainless steel = S | |
| 316 Stainless steel = S316 | |
| COVER SEAL | |
| Flexitalic = F | |
| BASKET TYPE | |
| Strainer basket, perforated, mesh lined = M | |
| BASKET, MEDIA SIZE | |
| Mesh sizes | |
| 20, 30, 40, 50, 60, 70, 80, 100, 150, 200 | |
| CARTRIDGE | |
| Double Open End = DOE | |
| Single Open End (NPT) = SOE | |
| CARTRIDGE SEALING METHOD | |
| V Post and Spring Seal = VP | |
| Threaded Post = TP | |
| STEAM JACKET | |
| Body Jacket = BJ | |
| Full Jacket = FJ | |
| ASME CODE STAMP | |
| ASME Code Stamp = C | |

Heat Transfer Media

300°F to 700°F

Models 8-30, 18-30, and 24-30

Holds 1 to 6 stainless steel baskets, or wire cloth lined baskets, or glass fiber-wound elements.

Models 86-30, 1825-30, and 2447-30

Holds 6 to 47 stainless steel cartridges, or wire cloth lined baskets, or glass fiber-wound elements



How To Order

Build an ordering code as shown in the example.

Example : **G - 10 - A - 30 - S**

| | |
|--------------------------------|--|
| FILTER MATERIAL | |
| Fiber Glass = G | |
| MICRON RATING | |
| 150 class ANSI flange | |
| 0.5 micron = 0.5 | |
| 1 micron = 1 | |
| 3 micron = 3 | |
| 5 micron = 5 | |
| 10 micron = 10 | |
| 20 micron = 20 | |
| 30 micron = 30 | |
| 50 micron = 50 | |
| 75 micron = 75 | |
| 100 micron = 100 | |
| DIAMETER | |
| 2-1/2 inch = A | |
| CARTRIDGE LENGTH | |
| 30 inches = 30 | |
| CORE | |
| 316 Stainless Steel = S | |