




-  Gas
-  Liquid & Slurry
-  Solid & Powder
-  Steam & Water

SENTRY SANITARY TUBE-IN-TUBE DTC SERIES Heat Exchangers



SAMPLE CONDITIONING

Sentry® sanitary DTC (dual tube coil) tube-in-tube heat exchangers are spirally wound, full counter flow heat exchangers well suited for a variety of applications where low flow rates of high temperature and/or high pressure fluids that require a high level of purity need cooling or heating.

MODELS

DTC-SSG/SSC-6-4-1

DTC-SSG/SSD-8-4-1

BENEFITS

The sturdy tube-within-a-tube concept uses heavy duty terminal fittings to provide for a plain tube end interface for the inner tube, and a compression connection for the outer tube. The plain end of the inner tube is easily adapted to a variety of connections including compression, threaded, socket weld, sanitary clamp and many more.

The tube-within-a-tube design also provides for high pressure/temperature capabilities on both sides of the heat exchanger, providing greater application flexibility.

The single continuous inner tube increases reliability and cleanliness and allows the unit to be completely drainable.

FEATURES

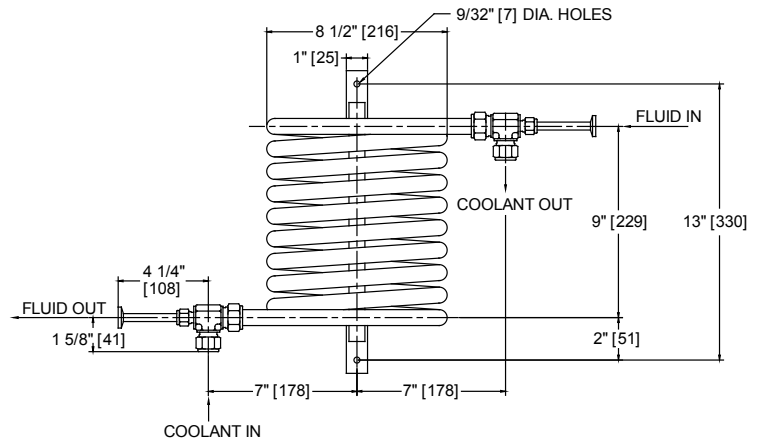
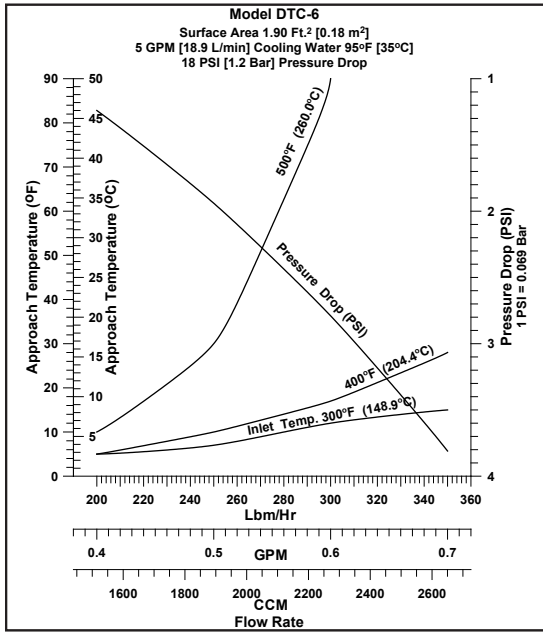
- Fully drainable inner and outer coils
- Spiral wound for maximum counter-flow efficiency
- Constant fluid velocity
- No dead spots or crevices
- Interior surface finish of $R_a \leq 20$
- Excellent for multi-phase/multi-component fluids and slurries
- Highly resistant to thermal and hydraulic shock



Sample. Monitor. Measure.

SENTRY

Any Application. Anywhere.



SPECIFICATIONS

models	inner tube design*	outer tube design	inner tube material	outer tube material	h.t. area	weight
DTC-SSG/SSC-6-4-1	150 psi at 450°F (10 bar at 232°C)	1100 psi at 200°F (76 bar at 93°C)	3/8 in OD 316 SS, electropolished	3/4 in OD 316 SS	1.90 ft ² (0.18 m ²)	16 lb (7.3 kg)
DTC-SSG/SSD-8-4-1	150 psi at 350°F (10 bar at 177°C)	1100 psi at 200°F (76 bar at 93°C)	1/2 in OD 316 SS, electropolished	1 in OD 316 SS	2.52 ft ² (0.23 m ²)	30 lb (13.6 kg)

* Inner tube rating based upon tri-clamp connector and gasket material used

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COMPANY WITH
 QUALITY SYSTEM
 CERTIFIED BY DNV GL
 = ISO 9001 =