



SANITARY DUAL TUBE COIL

High Efficiency Tube-in-Tube Heat Exchanger

Full counter flow heat exchangers suited for a variety of applications



Features

- Continuous tube-in-tube
- Interior surface finish of $R_a \leq 20$
- Fully drainable inner and outer coil
- Spiral wound for maximum counterflow efficiency
- Highly resistant to thermal and hydraulic shock

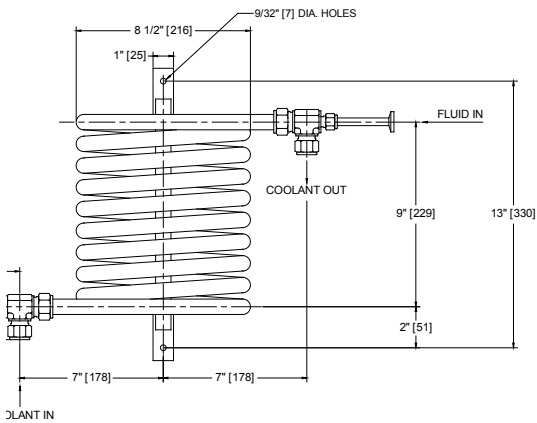
Description

The Sentry DTC-6 dual tube coil is specifically designed to cool or heat samples that require a high level of purity. The design provides the benefits of a compact high efficiency helical coil heat exchanger while maintaining a high level of surface finish inside the sample tube. This is achieved by using a highly polished (better than $R_a 10$) tube as the material for creating the helical coil. After specially controlled coiling, the ID surface maintains a $R_a \leq 20$. Tri-clover[®] sample connections are orbitally welded to the sample tube and electropolished. Contact factory for other sanitary dual tube coil configurations.

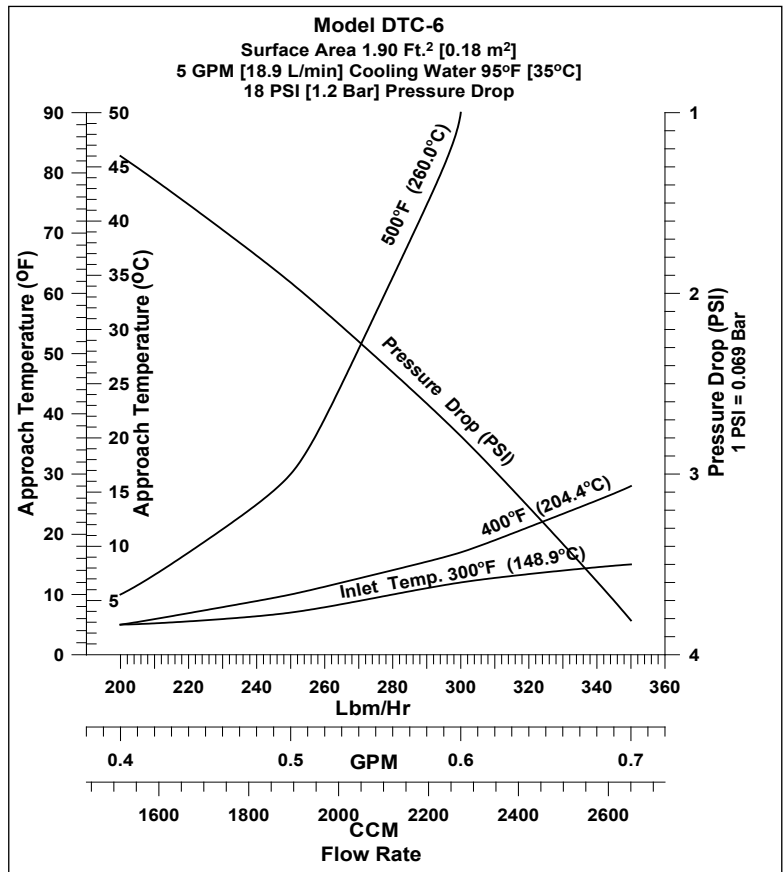
All other features of the DTC-6 are similar to other Sentry dual tube coils including our well-known quality workmanship and efficiency.

Sentry offers a variety of dual tube coils with a choice of heat transfer area, materials of construction and shell design, as well as, a variety of other sample conditioning products that help assure the most representative sample possible.

TECHNICAL DATA



Performance data shows approach temperature (outer tube inlet + approach temp. = inner tube outlet temp.) for three inner tube inlet temperatures and various flow rates. Data based on thermal properties of water. Cooling water 95°F (35°C) @ 5 GPM (18.9 L/min). Pressure drop < 18 psi (1.2 bar). Consult factory for other fluids flow rates and pressure drops.



SPECIFICATIONS

Pressure Rating	Max. 150 psi @450°F (10 Bar @ 232°C) inner tube* 1100 psi # 200°F (82 Bar @ 93°C) outer tube
End Connections	1/2" Tri-clamp
Wetted Materials	0.375" x .035" wall, SA249 316SS, polished to $R_a \leq 20$
Heating Surface	1.9 ft ² (0.18 M ²)
Weight	16 lbs (7.3 kgs)
Model Number	DTC-SSG/SSC-6-4-1
Part Number	7-02672F

*inner tube ratings determined by tri-clamp connector and elastomer material used.

WARNING

It is solely the responsibility of the end-user, through its own analysis and testing, to select products and materials suitable for their specific application requirements, ensure they are properly installed, safely applied, properly maintained, and limit their use to their intended purpose. Improper selection, installation, or use may result in personal injury or property damage.



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