



Gas



Liquid & Slurry



Solid & Powder



Steam & Water

# SENTRY TUBE-IN-TUBE DTC-8 Heat Exchangers

## SAMPLE CONDITIONING

Do you have low flow rate and high temperature and/or high-pressure fluids that need control? The DTC Tube-in-Tube Heat Exchanger can help manage this through its spiral wound, counter flow design. Made to custom fit your application, the heat exchanger's base tube-in-tube design allows for reliability, efficiency, and minimal downtime through simplistic design and minimal operator intervention.

### MODELS

DTC-CUB/CUC-8-1-1

DTC-SSB/CUC-8-1-1

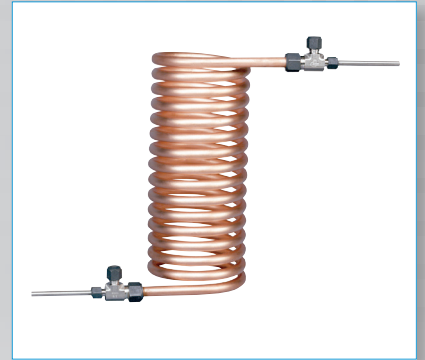
DTC-IN7/CUC-8-1-1

DTC-SSB/SSD-8-1-1

DTC-IN7/SSD-8-1-1

### FEATURES

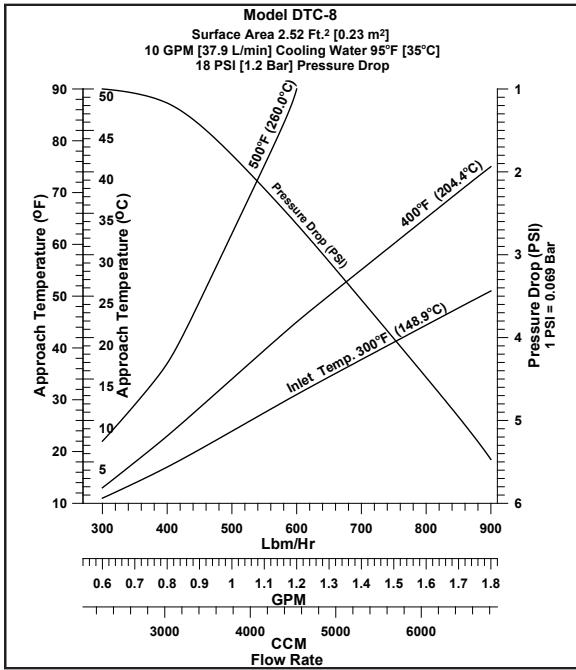
- The DTC Heat Exchanger has a constant fluid velocity, ensuring no dead spots or crevices.
- Making it easier to service, this heat exchanger comes with a completely drainable design.
- The product can be made with a variety of materials such as:
  - Stainless Steel
  - Copper
  - Nickle Alloys
  - Titanium
  - Zirconium



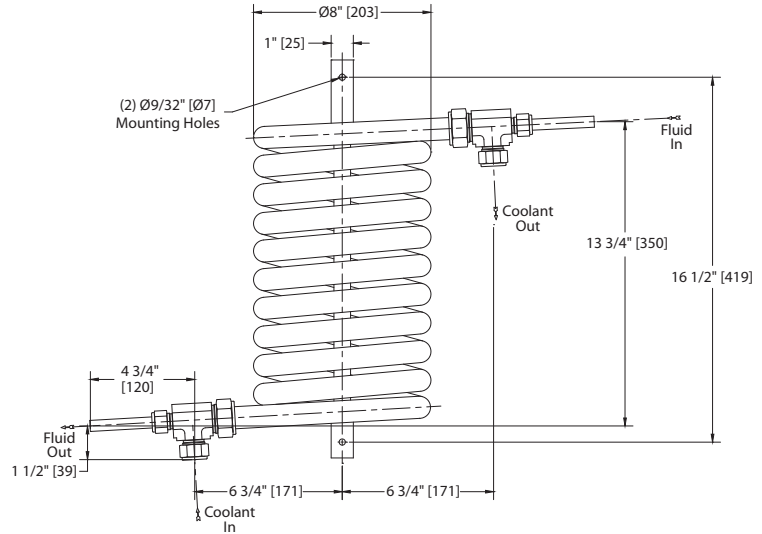
Sample. Monitor. Measure.

# SENTRY

Any Application. Anywhere.



CONNECTIONS		
Tube	Size	Type
Inner	1/2" O.D.	plain tubing
Outer	3/4" O.D.	compression fitting



**SPECIFICATIONS**

models	inner tube design	outer tube design	inner tube material	outer tube material	heat transfer area	weight
DTC-CUB/CUC-8-1-1	1250 psi at 300°F (86 bar at 148°C)	700 psi at 300°F (48 bar at 148°C)	1/2 in OD copper	1 in OD copper	2.52 ft² (0.23 m²)	30 lb (13.6 kg)
DTC-SSB/CUC-8-1-1	2400 psi at 1000°F (165 bar at 537°C)	700 psi at 300°F (48 bar at 148°C)	1/2 in OD 316 SS	1 in OD copper	2.52 ft² (0.23 m²)	30 lb (13.6 kg)
DTC-IN7/CUC-8-1-1	4000 psi at 900°F (276 bar at 482°C)	700 psi at 300°F (48 bar at 148°C)	1/2 in OD Alloy 625	1 in OD copper	2.52 ft² (0.23 m²)	30 lb (13.6 kg)
DTC-SSB/SSD-8-1-1	2400 psi at 1000°F (165 bar at 537°C)	2300 psi at 1000°F (158 bar at 537°C)	1/2 in OD 316 SS	1 in OD 316 SS	2.52 ft² (0.23 m²)	30 lb (13.6 kg)
DTC-IN7/SSD-8-1-1	4000 psi at 900°F (276 bar at 482°C)	2300 psi at 1000°F (158 bar at 537°C)	1/2 in OD Alloy 625	1 in OD 316 SS	2.52 ft² (0.23 m²)	30 lb (13.6 kg)

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