



TSF SAMPLE COOLER

Special Materials

*Compact, efficient sample cooling
for gases and liquids*



TSF SAMPLE COOLER (SPECIAL MATERIALS)

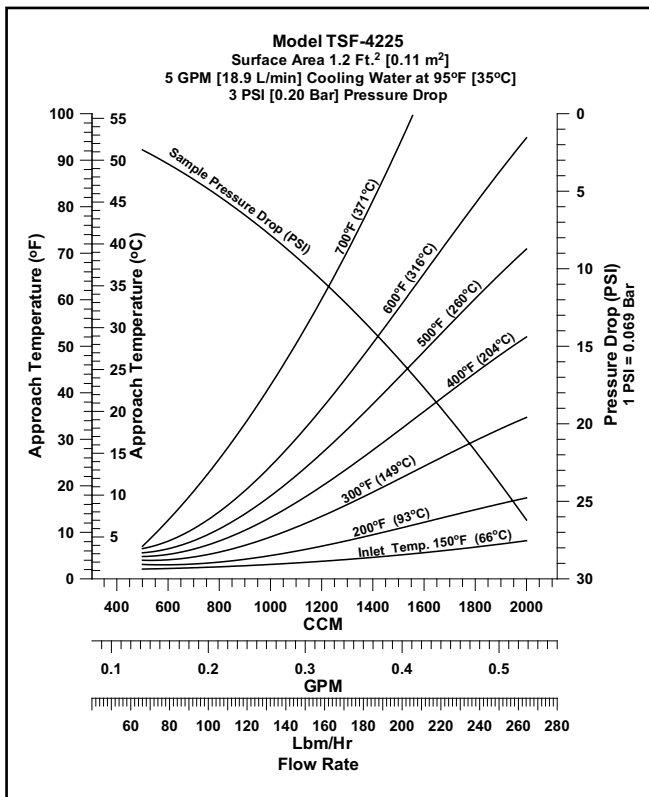
Features

- Single helical coil design
- Wide variety of exotic alloys for corrosion resistance

Description

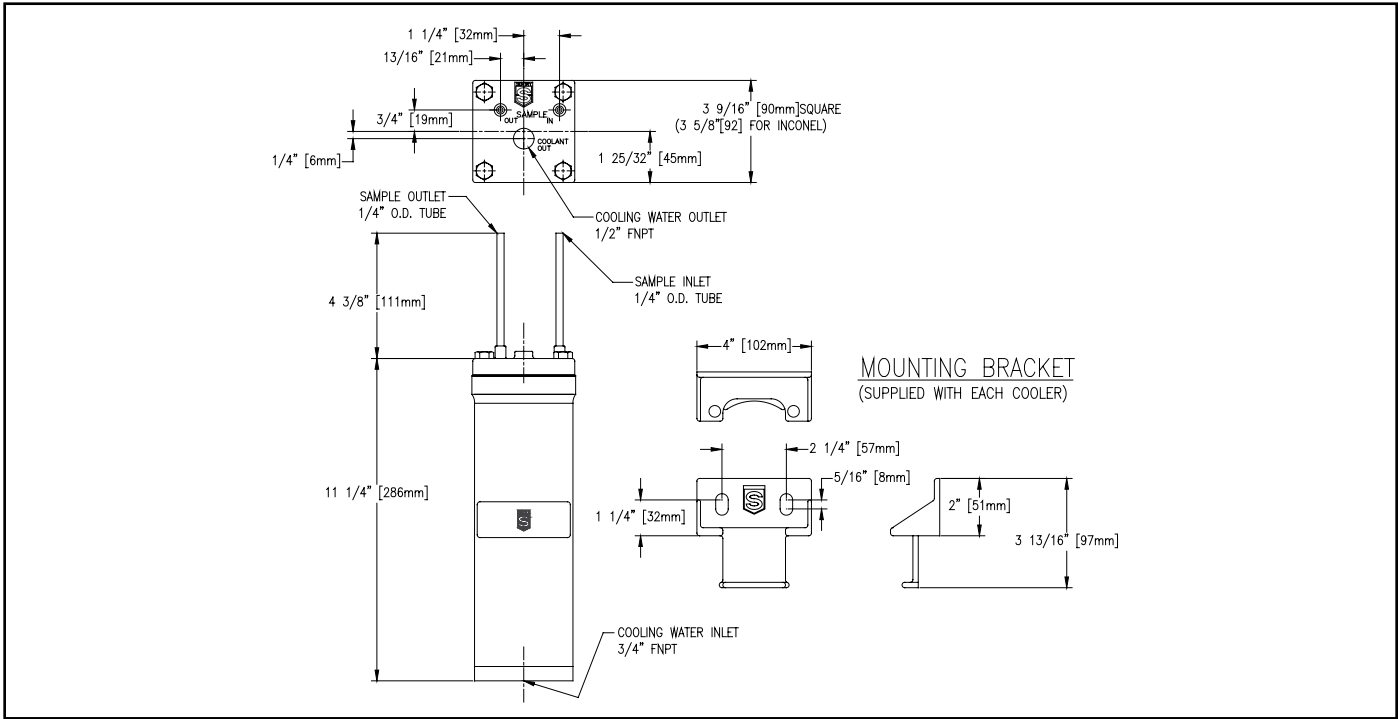
The TSF series sample cooler is a compact sample cooler that provides broad application flexibility through the use of a variety of sample tube materials. Optimal service for flows below 1200 cc/min for single phase heat transfer. Special materials include Alloy 20, Titanium, Zirconium, Hastelloy® C and nickel alloys listed in the specifications. Standard tube side materials are 316/316L SS and Alloy (Inconel®) 625. See data sheet 4.2 for more information on standard materials.

Performance Curve - Water



NOTE:

Not recommended for steam condensing service. See TLF, FLF, FXF series sample coolers for this application.



Specifications – TSF Series

Model No.	Shell Design	Tube Design	Tube Material	Shell Material	Area	Shipping Weight	Part Number
TSF-42D3	450 psi @ 650°F 31 bar @ 345°C	3000 psi @ 650°F 206 bar @ 345°C	Alloy 20 1/4" O.D. x 0.035"AW	304 SS	1.2 ft ² 0.11 m ²	11 lbs 5 kg	7-00686V
TSF-42A1	450 psi @ 600°F 31 bar @ 315°C	1000 psi @ 600°F 68 bar @ 315°C	Nickel 200 1/4" O.D. x 0.035"AW	304 SS	1.2 ft ² 0.11 m ²	11 lbs 5 kg	7-00687G
TSF-4261	450 psi @ 600°F 31 bar @ 315°C	1000 psi @ 600°F 68 bar @ 315°C	Titanium 1/4" O.D. x 0.035"AW	304 SS	1.2 ft ² 0.11 m ²	11 lbs 5 kg	7-00899A
TSF-4271	450 psi @ 600°F 31 bar @ 315°C	1000 psi @ 600°F 68 bar @ 315°C	Hastelloy® C276 1/4" O.D. x 0.035"AW	304 SS	1.2 ft ² 0.11 m ²	11 lbs 5 kg	7-00899C
TSF-4281	450 psi @ 600°F 31 bar @ 315°C	1000 psi @ 600°F 68 bar @ 315°C	Monel® 400 1/4" O.D. x 0.035"AW	304 SS	1.2 ft ² 0.11 m ²	11 lbs 5 kg	7-00686X

NOTE:

- U in model number denotes ASME stamped model.
- Canadian Registration Number available for ASME stamped models only. Consult factory for CRN and other options and information.
- Vessels are exempt from CE marking per PED 97/23/EC. Vessels are below or equal to the limits set forth in Article 3, Sections 1.1, 1.2, 1.3 and Section 2 as applicable, and are designed and manufactured in accordance with sound engineering practice (meets the general requirements of the ASME Section VIII, Division 1, Boiler And Pressure Vessel Code). Nameplate will bear the name of Sentry Equipment Corp and safety instructions will be included per Article 3, Section 2.

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.



SENTRY EQUIPMENT CORP

966 Blue Ribbon Circle North
Oconomowoc, WI 53066 USA
Tel: 262-567-7256 • Fax: 262-567-4523

E-mail:
sales@sentry-equip.com

Website:
www.sentry-equip.com

QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001:2008

For further information, contact: