



## FSF SAMPLE COOLER (standard materials)

**Compact, efficient sample cooling for high flow gases and liquids**

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

The FSF 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 is for flows below 2000 ccm for single phase heat transfer. Standard tube side materials are 316SS, Inconel® 625 and Hastelloy® C. Special materials include 310SS, Titanium and nickel alloys listed below (see spec sheet 4.9).

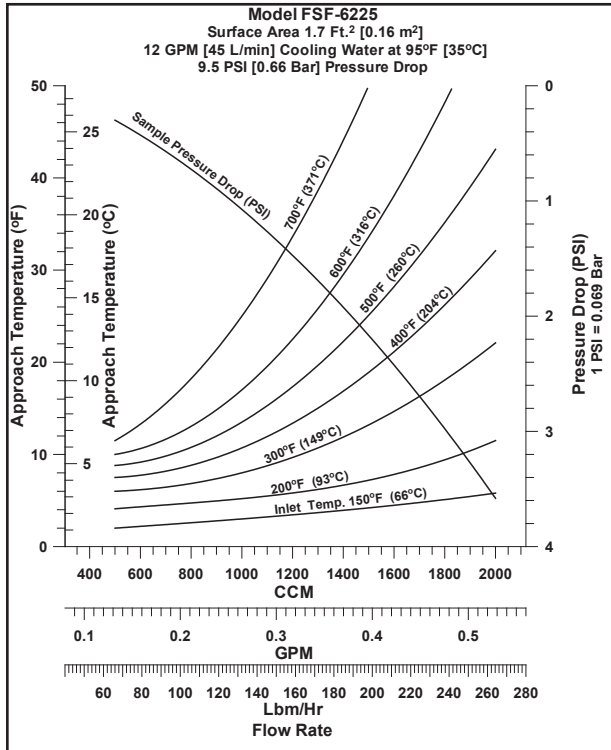
### Specifications - FSF Series

Model No.	Shell Design	Tube Design	Tube Material	Shell Material	Area	Weight	Part Number
FSF6222	450 psi @ 650°F 31 bar @ 343°C	2485 psi @ 680°F 171 bar @ 360°C	316SS 3/8" O.D. x 0.035"AW	304/316SS	1.7 ft² 0.16 m²	17 lbs 8 kg	7-00757F
FSF6225	450 psi @ 650°F 31 bar @ 343°C	5000 psi @ 1000°F 344 bar @ 537°C	316SS 3/8" O.D. x 0.065"MW	304/316SS	1.7 ft² 0.16 m²	17 lbs 8 kg	7-00757C
FSF6225U	300 psi @ 650°F 20 bar @ 343°C	4500 psi @ 1000°F 310 bar @ 537°C	316SS 3/8" O.D. x 0.065"MW	304/316SS	1.7 ft² 0.16 m²	17 lbs 8 kg	7-00763B
FSF62B3	450 psi @ 650°F 31 bar @ 343°C	3400 psi @ 1100°F 234 bar @ 593°C	Inconel® 625 3/8" O.D. x 0.035"MW	304/316SS	1.7 ft² 0.16 m²	17 lbs 8 kg	7-00632H
FSF6271	400 psi @ 300°F 27 bar @ 148°C	1000 psi @ 650°F 68 bar @ 343°C	Hastelloy® C276 3/8" O.D. x 0.035"AW	304/316SS	1.7 ft² 0.16 m²	17 lbs 8 kg	7-01119A
FSF64B3	150 psi @ 250°F 10 bar @ 121°C	3400 psi @ 1100°F 234 bar @ 593°C	Inconel® 625 3/8" O.D. x 0.035"MW	Cupro-Nickel	1.7 ft² 0.16 m²	25 lbs 11 kg	7-00632J

**NOTE:**

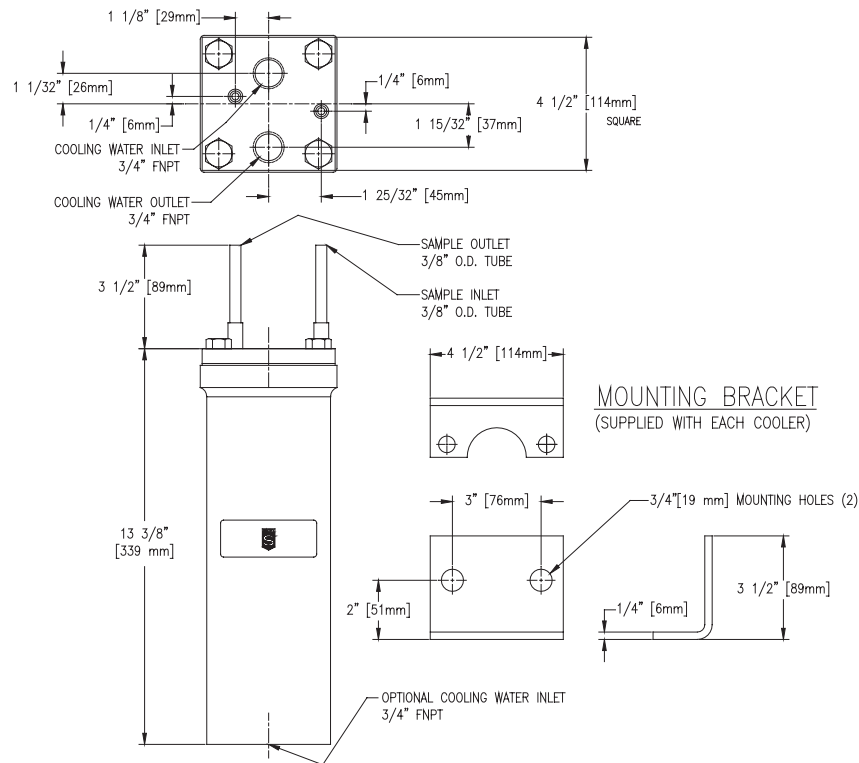
- Canadian Registration Number available for most models. Consult factory for CRN and other options and information.
- U in model number denotes ASME stamped model.
- Vessels are exempt from CE marking per PED 97/23/EC. Vessels are below or equal to the limits set forth in Article 3, Sections 1.1, 1.2, 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.

## Performance Curve - Water



### Note:

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



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