



DESCRIPTION

Sample cooler provides the most cooling efficiency allowing it to be suitable for most applications in liquid, gas or steam process. All the materials are constructed in stainless steel which provides rugged and longer life span.

From standard 0.11 to 0.45 m² heat exchange area is providing the most flexible usage for different applications.

The removable shell design can be easy maintenance and cleaning after period of usage. For the applications of corrosive environment, other materials are available upon request, please consult factory.

APPLICATIONS

- Steam & Water Analysis Systems.
- Point of use cooling / sampling
- Grab Sampling systems.

FEATURES

- Dual helical coil design, providing maximum heat exchange area.
- Compact design minimizes cooling water needs.
- Removable outer Shell enclosure, providing easy maintenance and clean.
- Highest efficiency sample cooler commercially available.
- Exotic materials, such as titanium, Inconel® and Hastelloy® on the tube side and Monel®, cupronickel and stainless steel on the shell side are available.

ORDERING INFORMATION

SAMPLE COOLER	SC-			
Cooling area				
1 0,11 m ² / 1,2 ft ²				
2 0,22 m ² / 2,4 ft ²				
3 0,35 m ² / 3,8 ft ²				
4 0,45 m ² / 4,8 ft ²				
100 Special cooling area (To Specify)				
Sample tubing				
A 1/4"OD x 0,035"				
B 1/4"OD x 0,049"				
C 1/4"OD x 0,065"				
D 3/8"OD x 0,035"				
E 3/8"OD x 0,049"				
F 3/8"OD x 0,065"				
G 1/2"OD x 0,049"				
H 1/2"OD x 0,065"				
XX Special size (To Specify)				
Material tubing				
10 SS316				
11 Alloy 625				
12 Alloy 825				
13 Hastelloy C-276				
14 SS316 Sulfinert				
50 Others (To Specify)				
Shell Material				
K SS304				
L SS316				
M Alloy 625				
N Alloy 825				
P Hastelloy C-276				
R Others (To Specify)				

NOT ALL COMBINATIONS ARE AVAILABLE
Please check availability for different combinations out of the standard references

STANDAR COOLERS (usually in stock)

MODEL	Cooling Area	Tube Material Size / Rating	Shell material rating	Weight Kgs (lb)
SC-1-B-10-K	0.11 m ² 1.2 ft ²	316SS 1/4"OD x 0,049" 245bar(g) [3553 psi(g)] @ 540°C (1004°F)	304SS 30 bar (435 psi) @ 200°C (392°F)	5 (11)
SC-1-B-10-L			316SS 30 bar (435 psi) @ 200°C (392°F)	
SC-2-B-10-K	0.22 m ² 2.4 ft ²	316SS 1/4"OD x 0,049" 245bar(g) [3553 psi(g)] @ 540°C (1004°F)	304SS 30 bar (435 psi) @ 200°C (392°F)	7 (15,4)
SC-2-B-10-L			316SS 30 bar (435 psi) @ 200°C (392°F)	
SC-3-F-10-K	0.35 m ² 3.8 ft ²	316SS 3/8"OD x 0,065" 215bar(g) [3118 psi(g)] @ 540°C (1004°F)	304SS 30 bar (435 psi) @ 200°C (392°F)	11 (24,25)
SC-3-F-10-L			316SS 30 bar (435 psi) @ 200°C (392°F)	
SC-4-F-10-K	0.45 m ² 4.8 ft ²	316SS 3/8"OD x 0,065" 215bar(g) [3118 psi(g)] @ 540°C (1004°F)	304SS 30 bar (435 psi) @ 200°C (392°F)	12 (26,45)
SC-4-F-10-L			316SS 30 bar (435 psi) @ 200°C (392°F)	

*All coolers are supplied with bracket in SS304