

SAMPLE COOLER

SS-316 Coil, Monel / Inconel Coil



Features

- Single continuous stainless steel tube with no welded joints ensuring long maintenance free operation
- Designed to handle high pressure (250 Bar) & High Temperature (550Deg. C) steam samples
- Shell & Tube design with removable Shell & Coil.
- Low cost & Compact Design

Optional Features

- Shell relief valves to protect against the unlikely events such as coil failure & coolant failure.
- Monel / Inconel coil coolers for high chloride content cooling water
- Grab Sampling / Root cooler module with panel & accessories.

The sample cooler is a compact unit, specially designed as per ASME SEC-VIII, Div-1 & ASME PTC-19.11 to handle high pressure & High temperature applications. These coolers as designed for counter flow cooling to achieve very close temperature approach of the sample to coolant. These cooler as made up of double helix coil which meets ASTM D1192 requirements, fitted with a baffle for maximum efficiency. The shell is mounted through flanged connections and it can be removed without disturbing sample lines.

Specifications							
Model Number	Tube Design	Tube Material	Shell Design	Shell Material	Area	C.W. Connection	Sample connection
SC-14-6M-SS	250 Bar @540°C	¼"OD, ASTM A213, TP-316, Seamless	10 Bar @200°C	ASTM A312, TP-304	1.2 Sqft	½NPT (F)	¼"OD
SC-14-12M-SS	250 Bar @540°C	¼"OD, ASTM A213, TP-316, Seamless	10 Bar @200°C	ASTM A312, TP-304	2.4 Sqft	½NPT (F)	¼"OD
SC-14-18M-SS	250 Bar @540°C	¼"OD, ASTM A213, TP-316, Seamless	10 Bar @200°C	ASTM A312, TP-304	3.5 Sqft	¾ NPT (F)	¼"OD
SC-14-6M-Monel	250 Bar @540°C	¼"OD, 20 SWG, Monel, Seamless	10 Bar @200°C	ASTM A312, TP-304	1.7 Sqft	½NPT (F)	¼"OD
SC-38-6M-SS	250 Bar @540°C	3/8" OD, ASTM A213, TP-316, Seamless	10 Bar @200°C	ASTM A312, TP-304	1.2 Sqft	½NPT (F)	3/8" OD

Data Required for selection of sample cooler.

1. Sample inlet temperature
2. Sample inlet pressure
3. Process Media
4. Cooling water inlet temperature & Quality
5. Sample flow required
6. Sample outlet temperature required.

Mfg & Marketed by

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