

HSC60 Sample Cooler

HSC60-01
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Staitech

HSC60 Sample Cooler

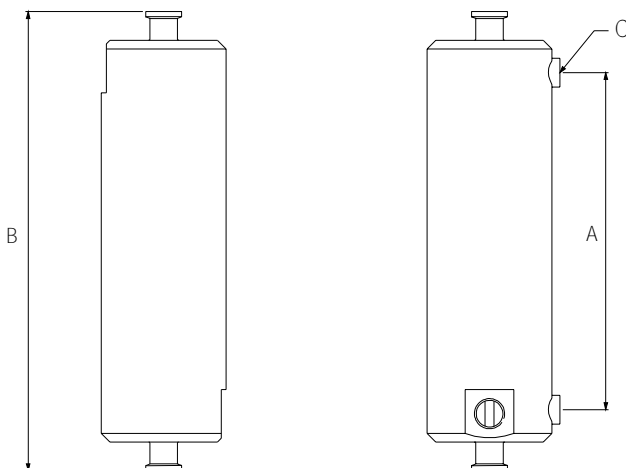
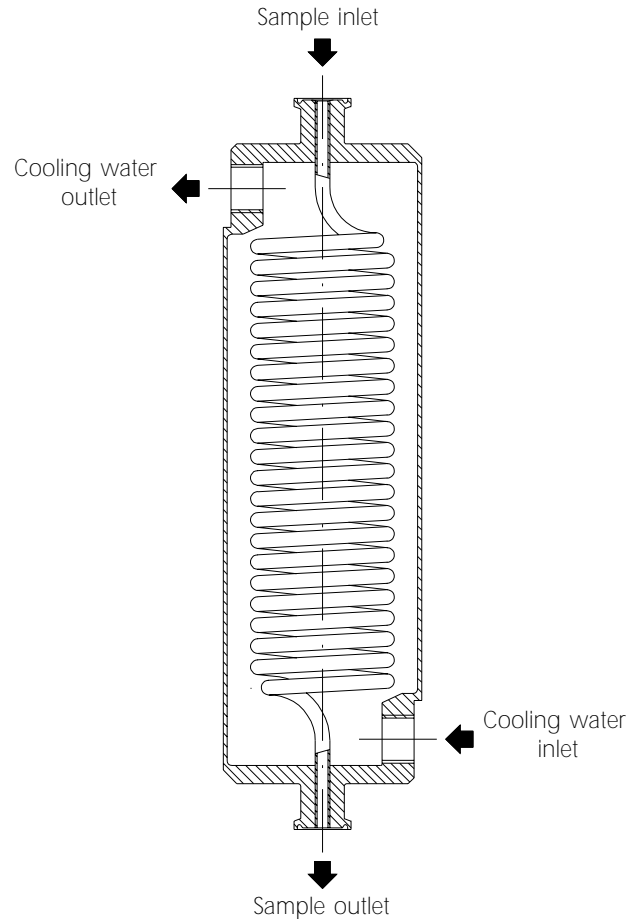
The HSC60 Sample Cooler is designed to allow clean steam and Water For Injection(WFI) samples to be taken quickly, easily and safely whilst maintaining product sterility during testing. Constructed in 316L stainless steel, the HSC60 is intended for installation at the sampling point.

Sampling is achieved by bleeding a flow of clean steam or WFI through the central coil controlled using a throttling valve(HSV60). Cooling medium: typically mains water, passing through the shell of the unit absorbs heat from the test sample, condensing or cooling the sample prior to discharge from the coil.

All surfaces wetted by the sample medium have a maximum surface finish of 0.5 microns Ra. Full material certification is supplied for wetted parts.

Features offered by the HSC60 include:

- 316L stainless steel construction - suitable for clean steam and WFI systems.
- Self-draining design - eliminates possibility of sample retention.
- Fully sterilisable/autoclavable - satisfies validation criteria.
- Availability of hygienic sample valve - allows fine control of sample flow during testing.
- Mounting bosses incorporated in design - simplifies installation.



Dimensions(mm)

A	B	C	Weight(kg)
235	320	M8	3.0

Product Specification

Sample connections	1/2" Tri-Clamp® compatible
Cooling water connections	1/2" BSP or 1/2" Tri-Clamp® compatible
Shell, coil & fittings	316L stainless steel
Coil surface area	0.09m ²
Coil design pressure	8 barg@175°C
Shell design pressure	6 barg@100°C
Surface finish	
Wetted surfaces	0.5 microns Ra*
External body and fittings	Satin polish

*Coil formed from tube having an internal finish of 0.4 microns Ra.

Available ancillaries

Sample valve, sample outlet hose adaptor, cooling water isolation valve, sample hose

Capacities(approximate)

Steam - 10 l/h of condensate at 30°C from steam at 3 barg
Water - 30 l/h of water from 85°C to 30°C

Based on a cooling water temperature of 20°C and flow rate of 0.1 l/s.
Consult Staitech for other duties