

HSC30 Portable Sample Cooler

HSC30-01
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Staitech

HSC30 Sample Cooler

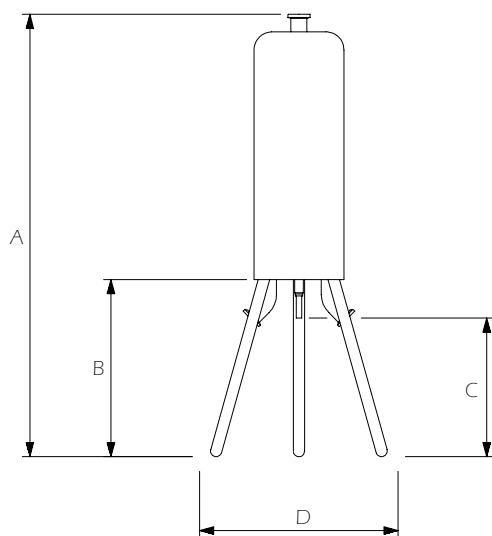
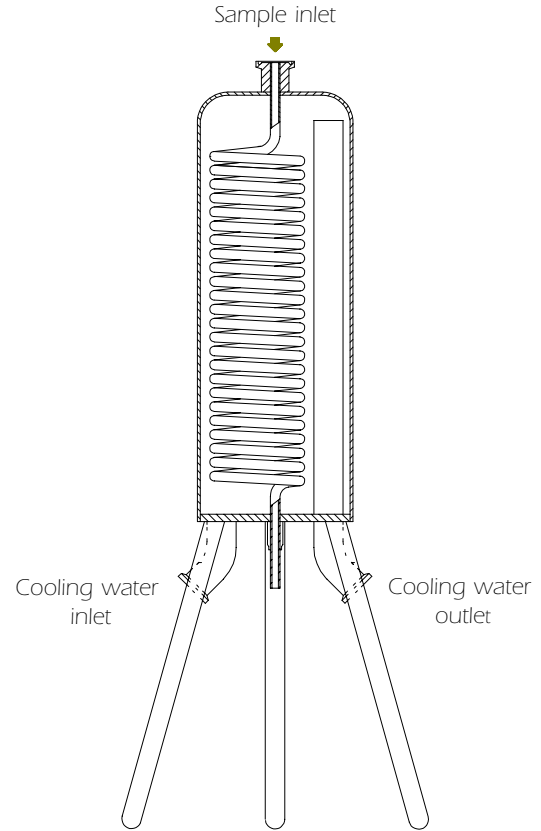
The HSC30 Sample Cooler is designed to allow clean steam and Water For Injection(WFI) samples to be taken quickly and easily whilst maintaining product sterility during testing. Constructed in 31 6L stainless steel, the HSC30 is intended for portable operation.

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.

Features offered by the HSC30 include:

- 31 6L 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.
- Portable design - single unit can be used to take samples throughout a system.



Dimensions(mm)

A	B	C	D	Weight(kg)
500	205	160	180	4.5

Product Specification

Sample inlet connection	1/2" Tri-Clamp® compatible
Sample outlet connection	1/4" O.D. Tube
Cooling water connections	3/4" Tri-Clamp® compatible
Shell, coil and fittings	31 6L stainless steel
Coil surface area	0.09m ²
Coil design pressure	8 barg
Shell design pressure	6 barg
Surface finish	
Wetted surfaces	0.5 microns Ra*
External body and fittings	Polished

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

Available ancillaries

Sample valve, cooling water hose adaptor kit, 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