

HSC50 SAMPLE COOLER

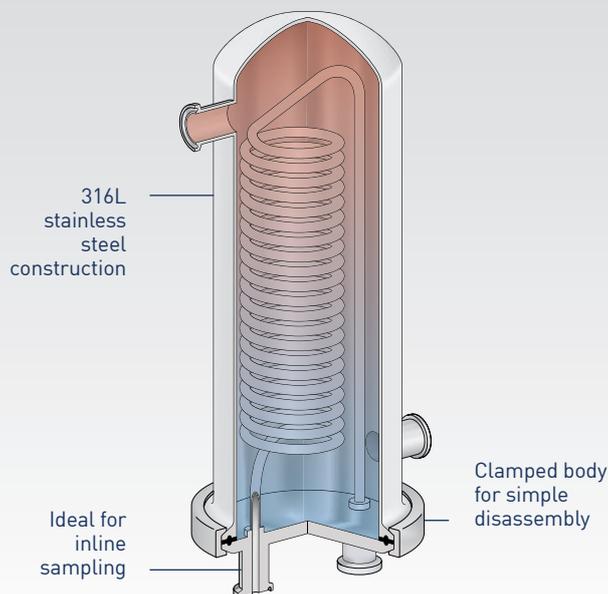


HSC50

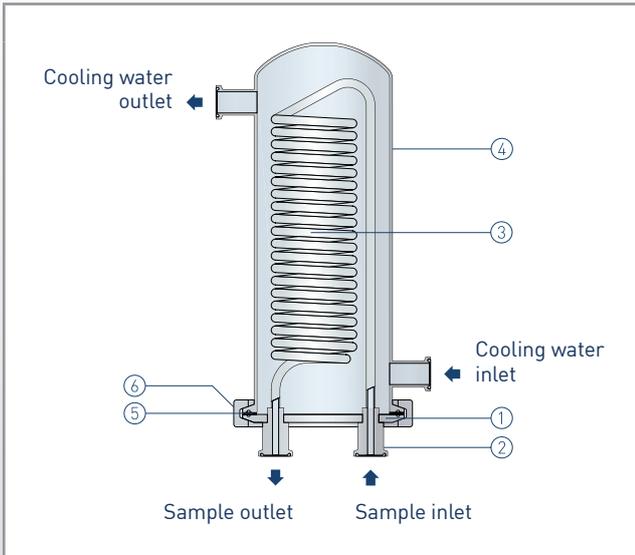
Designed for environments where the cooling water supply may lead to fouling of the coil, the HSC50 can be disassembled for cleaning. The orientation of the sample connections also makes the HSC50 suitable for continuous in-line cooling applications such as conductivity monitoring in high purity systems.

P Pressure Rating	Coil and Shell - up to 10 barg
T Temperature Rating	Coil - 175°C Shell - 100°C
I Connections	Sample medium - 25mm clamp to suit 1/2" ASME BPE, DIN and ISO Cooling water - 25mm clamp to suit 3/4" ASME BPE, DIN and ISO
Wetted Parts	316L stainless steel
Performance	Heat transfer area - 0.08m ² Coil volume - 160ml Typical performance - 10kg/h condensate at 30°C from steam at 3 barg with 0.1 l/s cooling water at 20°C rising to 40°C
Surface Finish	Wetted surfaces - 0.5 microns Ra (SF1)* External surfaces - Satin polish finish
Options	Electropolished finish - all wetted surfaces (SF4) Steam throttling valve (HSV60) Sample outlet hose adaptor Steam and cooling water hoses
C Certification	Certificate of conformity Material certification Certified 'Animal Derived Ingredient' free

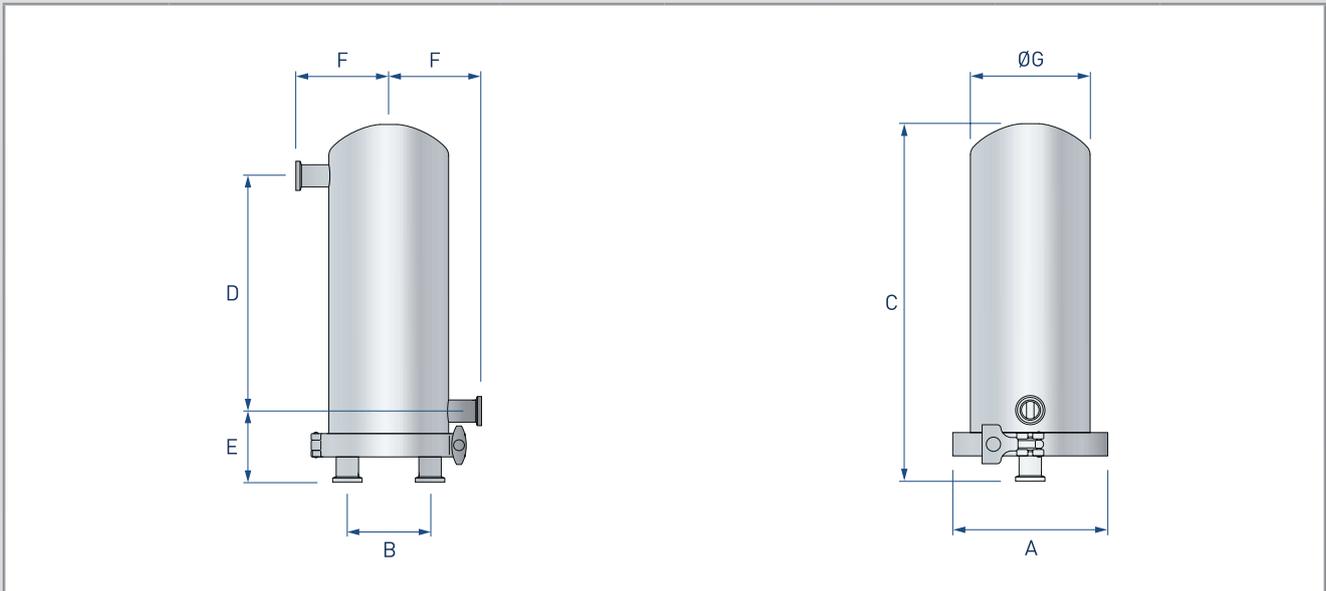
*HSC50 coil formed from tube with an internal electropolished finish of 0.25 microns Ra.



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Part	Description	
1	Base plate	316L stainless steel
2	Sample medium fittings	316L stainless steel
3	Coil	316L stainless steel
4	Body	316L stainless steel
5	Seal	EPDM
6	Clamp	304 stainless steel



Dimensions (mm)							Weight (kg)
A	B	C	D	E	F	ØG	
135	70	305	200	63	75	102	4.5

- Accessories**
- HSV60 sample valve - a steam rated valve suitable for both isolation and throttling of the steam sample
 - Sample hose adaptor kit - 316L stainless steel hose adaptor with 8.5mm barb which connects directly to the sample medium outlet using a standard clamp and seal
 - PTFE lined sample hose - PTFE lined hose with stainless steel outer braid and silicone protective cover. Available with 1/2" ASME BPE clamp end fittings to any length required
 - Cooling water hose - reinforced PVC hose with 3/4" ASME BPE clamp end fittings to any length required

Service Parts Body seal - part 5