

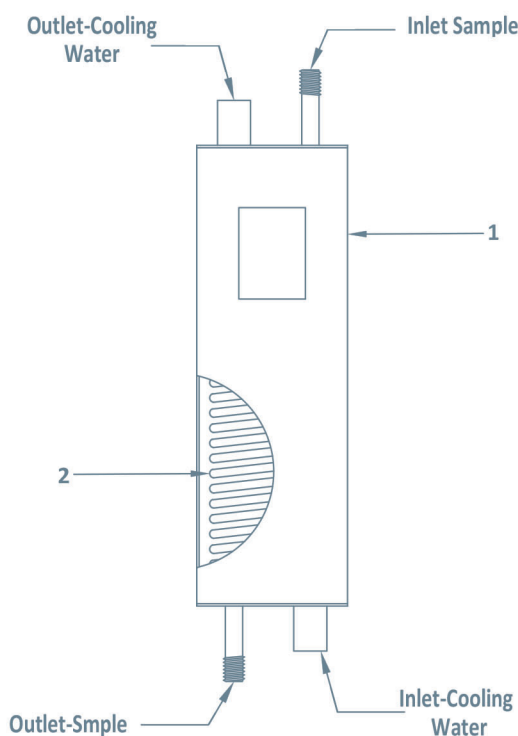


### Limiting Conditions

Body design conditions	PN16
Body maximum operating pressure (PMO)	10 bar g @ 100 °C
Body maximum operating Temperature (TMO)	100 °C @ 10 bar g
Coil design conditions	PN40
Coil maximum operating pressure (PMO)	32 bar g @ 239 °C
Coil Body maximum operating Temperature (TMO)	239 °C @ 32 bar g

### Materials

NO.	Part	Material	
1	Body	Stainless Steel	304
2	Coil	Stainless Steel	304



\*Complete sample cooler montage set is available , on request.

### Description

The SSC16 is a small stainless steel heat exchanger, customized for safely and quickly taking high quality samples from the boilers. Water samples are taken to measure the conductivity and other parameters of the boiler water. Since the samples are very hot, part of the taken high pressure/temperature water is transformed into the flash steam which causes wrong measurement. STEAMA sample cooler has a compact and maintenance-free design, and is perfectly safe accurate sampling.

### Fluids handled

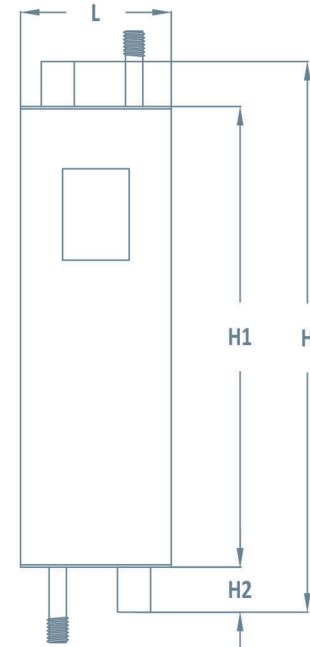
Boiler water  
Saturated steam  
Condensate  
Hot water

### Sizes and connections

Screwed-BSP (Cooling water)	1/2"
Screwed-BSP (Sample)	1/4"

### Dimensions and weights (mm and kg)

Size (DN)	H	H1	H2	Weight
15	410	350	30	5



### Safety information, installation and maintenance

The SSC16 sample cooler is generally possible to be installed from TDS blowdown to obtain proper sample from this location. Also, to prevent flash steam generation, operators should not drain boiler water through the sample cooler. For safe using the sample cooler, it is highly required to fully open the cooling water valve before opening the sample inlet valve. After taking the sample, it is first required to close the sample inlet valve before turning off the cooling water.

\*For full details, see the Installation and Maintenance Instructions, supplied with the product.