

HP - SAMPLE COOLER. SC 250 /16 AISI 316

Flowhow sample cooler is a new product which is especially designed for use in the power plant installations.

As a novelty this product has a very compact structure, featuring integration of the sample and cooling water valves into the cooler top rather than having them as a separate structure. This makes the cooler more simple and lower in dimensions, offering more space for the layout design.

The valve spindles have all stainless steel structure, non rotating and blowout proof spindle tip, and oxy nitrided spindle threads preventing the seizing typical for stainless steel.

CHARACTERISTICS:

- Effective cooling.
- All stainless steel construction.
- Easy to open and clean.
- Counter flowing heat exchange.
- Valves are integrated to the cooler top.
- Spacious cooler top lay-out.

TECHNICAL DETAILS:

- Material AISI 316 or SiS 2343
- Cooler dimensions 88.9 x 400 (750)
- Coil dimensions $\varnothing 10 \times 1.0 \times 6000$ (12 000 malli SCEX)
- Max pressure 250 bar , max t = 500 °C
- Jacket pressure 16 bar, max t = 120 °C

		Cooling Water Temperature 15°C								
		Boiler Water			Saturated Steam			Superheat. Steam		
		SC 250/16			SC 250/16			SCEX 250/16		
Boiler Pressure bar	Sample in °C	Sample Out °C	Cooling Water l/min	Sample in °C	Sample Out °C	Cooling Water l/min	Sample in °C	Sample Out °C	Cooling Water l/min	
	250	57	6,0	250	50	10,0	250	50	18,9	
	280	46	9,6	280	56	8,2	280	56	18,9	
	314	26	39,4	314	55	8,2	314	55	19,0	
	Sample 1,0 l/min			Sample 0,5 l/min			Sample 0,5 l/min			

CONNECTIONS:

- Sample in NPT 1/2" Female $\varnothing 14 \times 2,5$ 13CrMo44 weld (12x2)
- Sample out R 1/2" Female
- Cooling water in R 1/2" Female
- Cooling water out R 1/2" Female

