

## SAMPLE COOLERS SC 32B – SC 132B ( Bolted Cover )

### DESCRIPTION

ADCA sample coolers are specially designed to cool samples of boiler water or steam for analysis. Sample coolers prevent steam flashing-off from hot pressurised liquid samples, which can be dangerous and will result in an incorrect water sample. This device may be used for boiler water analysis and other sampling or cooling applications compatible with the construction materials.

### MAIN FEATURES

Corrosion-resistant body and internals.

### OPTIONS:

Sample inlet valve.  
Cooling water inlet valve.  
Temperature indicator  
Compression fittings  
Different connection sizes and materials under request against extra price.

### USE:

Steam boilers.  
Hot water systems.

### AVAILABLE MODELS:

SC32B/SS and SC132B/SS - stainless steel body and coil.

### SIZES AND

### CONNECTIONS:

Cooling water body inlet 1/2", outlet 1/2" (BSP or NPT)  
Sample tube inlet/outlet: 8 mm O/D

### INSTALLATION:

Vertical installation.

### OPERATION:

Cooling water must be in its maximum flow before open or close the sample inlet valve, in order to avoid the risk of scalding.  
The sample valve must also be closed before the cooling water valve.

### PERFORMANCE:

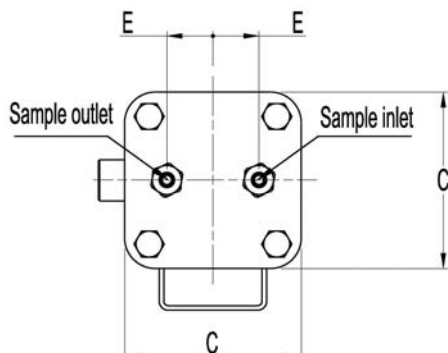
30 to 60 l/hr of sample water at  $\approx 30^{\circ}\text{C}$  with 1m<sup>3</sup>/h -  $15^{\circ}\text{C}$  inlet cooling water (boilers up to 20 bar- $220^{\circ}\text{C}$ ), for other pressures, temperatures and /or certified figures please consult.



LIMITING CONDITIONS				
	BODY		COIL	
Model	Pressure bar	Related Temp. $^{\circ}\text{C}$	Pressure bar	Related Temp. $^{\circ}\text{C}$
SC32B - SC132B	20	120	110	400
			90	450

Minimum operating temperature :  $-10^{\circ}\text{C}$

Design code : AD - Merkblatt


**DIMENSIONS (mm)**

MODEL	A	B	C	D	E	WGT Kg
SC 32B	90	485	115	62	30	4,5
SC 132B	90	585	115	62	30	5,9

**MATERIALS**

DESIGNATION	MATERIAL
Body	AISI 304 / 1.4301
Covers	AISI 304 / 1.4301
Coil	AISI 316L / 1.4404
Compression fittings *	Fe / Zn 12 - ISO 2081 - Cl. L
Discharge tube	ASI 316L / 1.4404
Thermometer connector	AISI 316 / 1.4401
Bolts and Nuts	St.Steel A2-70

EN10204 3.1 certificate available if requested with the order.

\* Stainless steel available against extra price

Pos.	Designation
1	Sample Cooler
2	*Sample inlet valve NV-400
3	Cooling water inlet valve ADCA GV32B
4	Cover
5	**Comp.fittings DN1/4"x8 (2) Cl. S (316Ti / 1.4571)
6	Thermometer connector
7	Bimetal thermometer
8	Bolts
9	Nuts

\* Check operating conditions, see catalogue

\*\* Limited to max. 400 °C

