



SAMPLE COOLERS SC32 – SC132

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 construction materials.

MAIN FEATURES

Corrosion-resistant body and internals. Self draining sample (inlet top, outlet bottom).

OPTIONS: Sample inlet valve.

Cooling water inlet valve. Temperature indicator Bolted top plate.

Different connection sizes and materials under request against

extra price.

Double coil high pressure design for larger capacities

USE: Steam boilers and hot water systems.

AVAILABLE

MODELS: SC32/SS - SC132/SS - stainless steel body and coil.

SIZES AND

CONNECTIONS: SC32 – SC132

Cooling water inlet/outlet: 1/2" on body (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 kg/hr of sample water at $\approx 30^{\circ}$ C with 1m3/h -15°C

inlet cooling water (boilers up to 20 bar-220 $^{\circ}$ C), for other pressures, temperatures and /or certified figures please

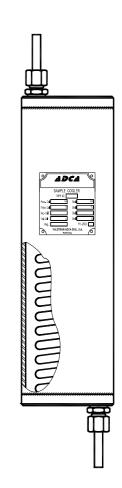
consult.

| LIMITING CONDITIONS | | | | | | |
|---------------------|-----------------|---------------------------------|-----------------|---------------------------------|--|--|
| | BO | DY | CC | OIL | | |
| Model | Pressure bar | Related Temp. ^o C | Pressure bar | Related Temp. ^o C | | |
| SC32 - SC132 | 20 | 120 | 110 | 400 | | |
| | | | 90 | 450 | | |

Minimum operating temperature: -10°C

Design code: AD - Merkblatt







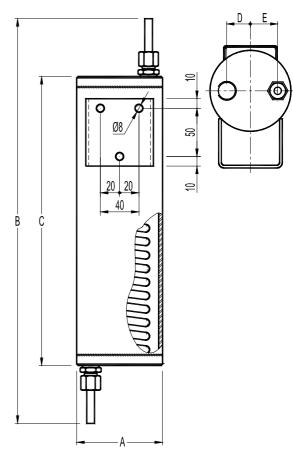




| DIMENSIONS (mm) | | | | | | |
|-----------------|----|-----|-----|----|----|-----------|
| MODEL | Α | В | С | D | E | WGT Kg |
| SC 32 | 90 | 420 | 300 | 26 | 30 | 3,9 |
| SC 132 | 90 | 520 | 400 | 26 | 30 | 4,8 |

| MATERIALS | | | | |
|------------------------|-------------------------------|--|--|--|
| DECICNATION | MATERIAL | | | |
| DESIGNATION | SC32 - SC132 | | | |
| 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 | | | |

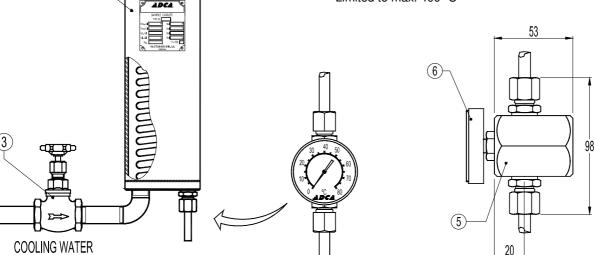
EN10204 3.1 certificate available if requested with the order.





| Pos. | Designation | | |
|--|--|--|--|
| 1 | Sample Cooler | | |
| 2 | * Sample inlet valve NV-400 | | |
| 3 | Cooling water inlet valve ADCA GV32B | | |
| 4 | Comp. fitting DN1/4"x 8 (2) Cl. S (316Ti / 1.4571) | | |
| 5 | Thermometer connector | | |
| 6 | Bimetal thermometer | | |
| *Check operating conditions, see catalogue | | | |

^{**}Limited to max. 400 °C





^{*} Stainless steel available against extra price