

SAMPLE COOLER (SCC2) WITH SCC VALVE ASSEMBLY For Boilers up to 16 Barg and 202 °C



Sample Cooler Unit



Sample Cooler Valve Assembly



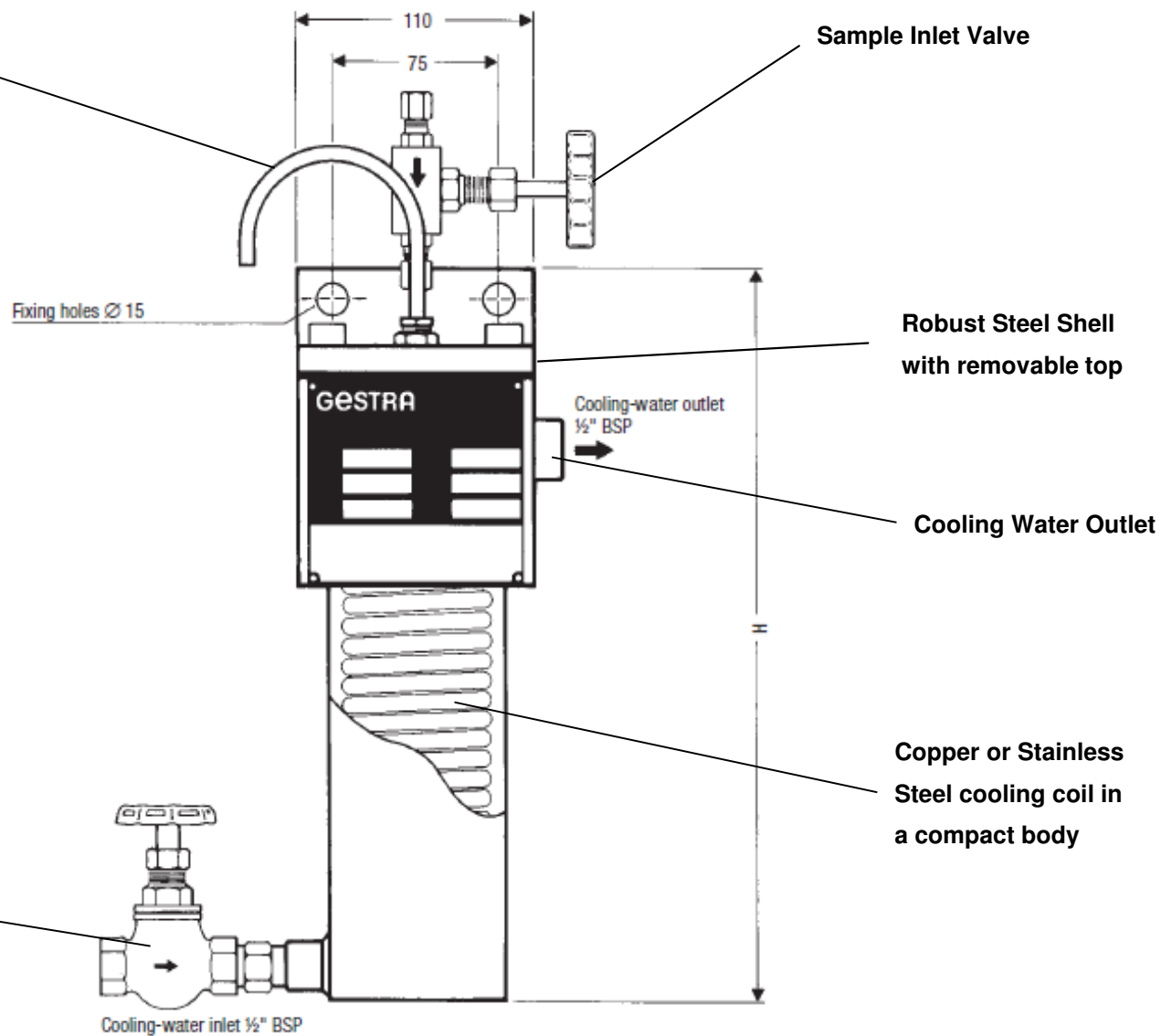
Sample Cooler Unit Overview

Sample discharge is cooled, ready for immediate analysis

No danger of scalding

Flash Steam is condensed in the Sample Cooler to ensure that a true sample is obtained

Cooling Water Inlet Valve



Key Advantages

1. Sample Coolers meet the design and construction requirements of BS5500
2. It is important to take regular Boiler Water samples for the determination of the correct TDS (Total Dissolved Solids) level
3. Samples at temperatures exceeding 25° C must be cooled prior to collection to maintain a representative sample, prevent the loss of sample volatiles and assure the safety of collection personnel
4. Prevention from steam flashing off from the sample resulting in incorrect water analysis
5. Better safety for personnel doing water analysis
6. Better test results achieved using a sample cooler as the cooling equipment rather than allowing the sample to cool on its own and thus, causing steam flashing
7. The sample cooler reduces the temperature of boiler water to around 25° C for immediate analysis
8. The Sample Coolers can also be used for other sampling and cooling applications where the materials of construction are suitable and compatible
9. Strong recommendations to use Sample Coolers to ensure compliance with Health and Safety regulations at work



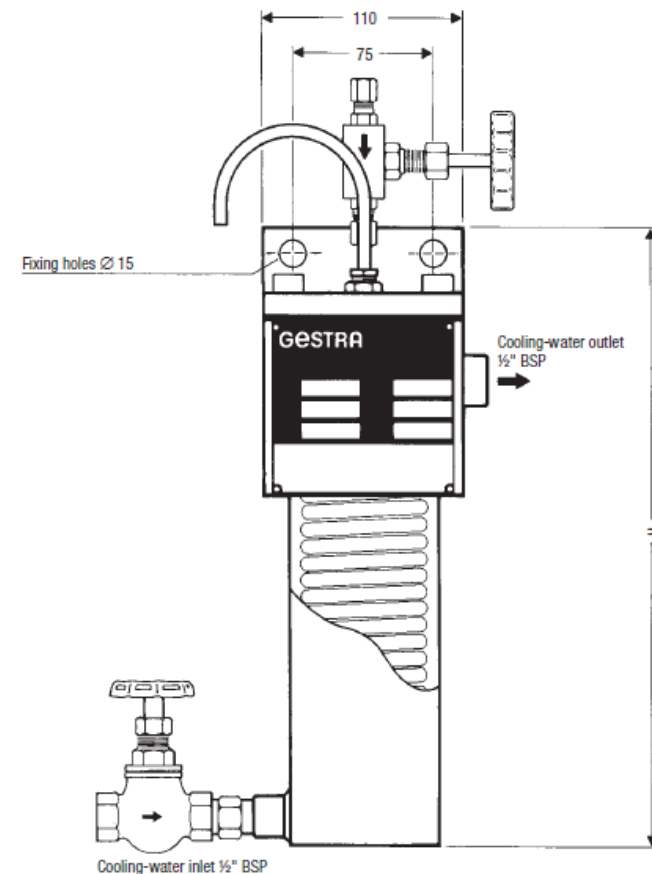
Safety Information, Installation and Maintenance

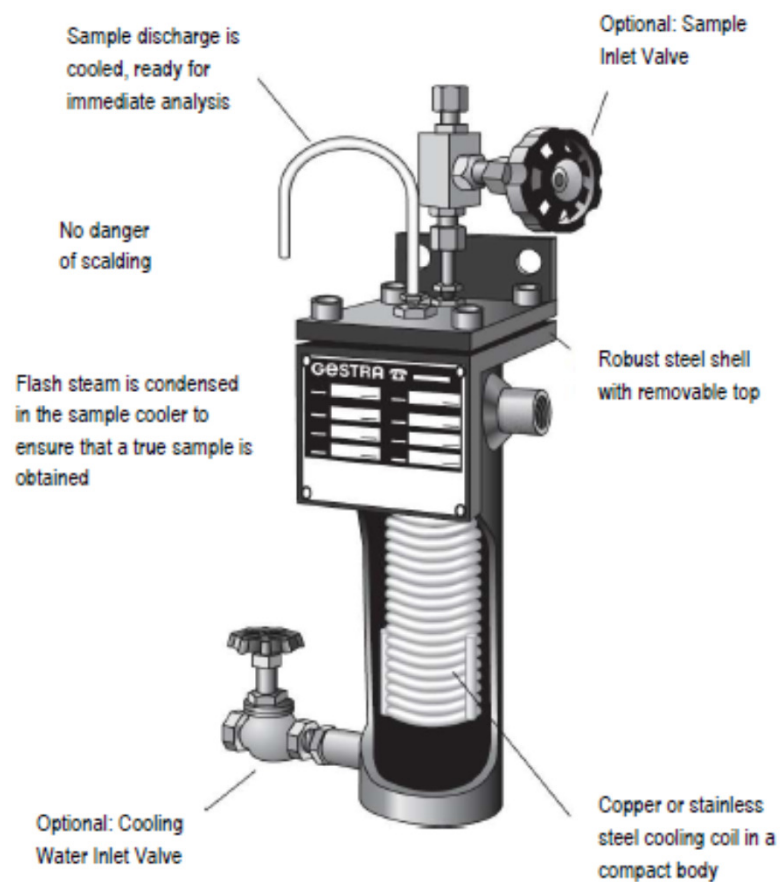
WARNING:

- To avoid the risk of scalding, it is essential that a full flow of cooling water is present before opening the sample inlet valve
- Always close the sample inlet valve before turning off the cooling water
- Sample pipework becomes very hot under normal working conditions and will cause burns if touched

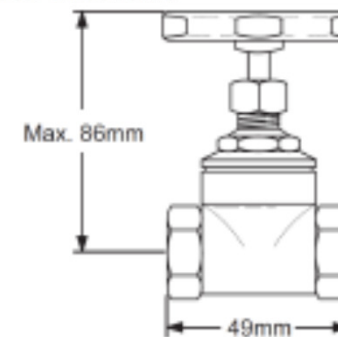
Installation Note:

- The sample inlet to the cooler can be fitted to the boiler blowdown pipework or if a TDS control system is fitted, from the take-off point provided on the blowdown valve
- We recommend that a tundish piped to drain is located under the outlet with sufficient space below it for the sample container
- For detailed information refer to the documentation supplied with the unit





Cooling water inlet valve



Sample inlet valve

