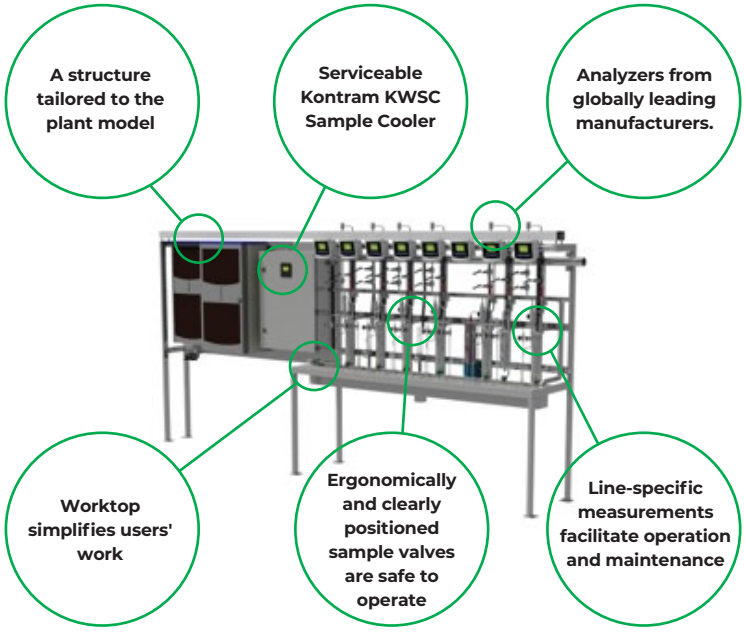
Kontram SWAS

STEAM AND WATER ANALYSIS SYSTEM FOR POWER PLANTS AND DISTRICT HEATING PLANTS

Kontram SWAS is a steam and water analysis system of our own product development. Our analysis systems measure the water quality of hundreds of boilers around the world.

Safety, high quality, and cost-effective design are the primary criteria for designing and manufacturing the Kontram SWAS analysis systems. During the design phase, we ensure that the analysis system takes all customer-specific space, processes, and maintenance requirements into account. With a flexible 3D design, we provide our customers a plant model that can be adapted directly into the desired space.

The Kontram SWAS steam and water analysis system plays an important role in monitoring the condition of the boiler plant's water chemistry and water vapor circuit. A functional and reliable analysis system ensures long boiler life and lowers plant maintenance costs. Kontram SWAS facilitates the overall management of water chemistry and enables more economical and safe operation of the plant. At our steam and water analysis systems, we use the analyzers of the world's leading instrument manufacturers, which guarantees plant operators with reliable and accurate data on the quality of the water, steam and condensate circuit. Kontram SWAS offers the widest selection of continuous measurement components on the market. In addition to more traditional pH and conductivity measurements, our steam and water analysis system continuously measure, e.g., dissolved oxygen, sodium and silicate, phosphate, and most recently, chloride and sulfate ions.



In addition to a high quality analysis system, the Kontram SWAS delivery contains:

- Project planning
- Documentation according to our customer's requirements
- Hardware testing
- Commissioning and training

Options:

- Comprehensive maintenance
- Remote access

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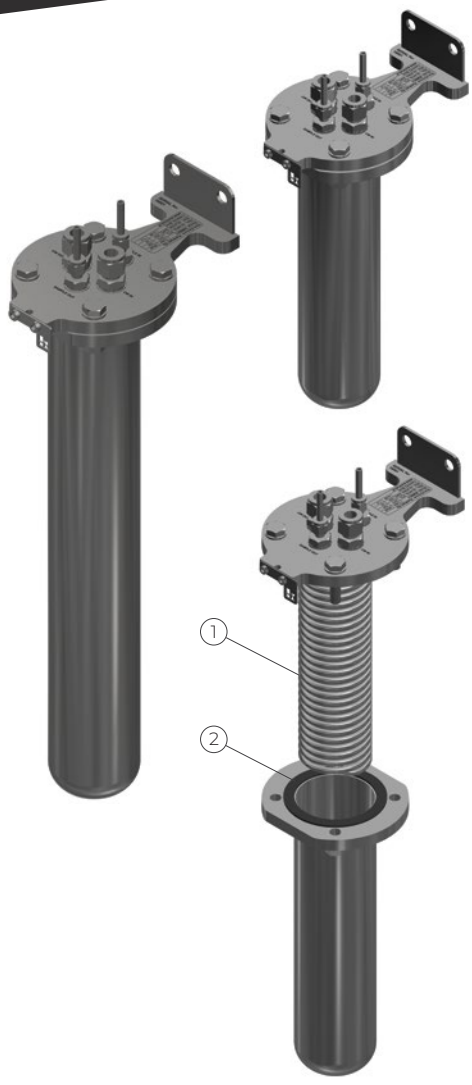
KWSC-1-SS & KWSC-2-SS

WATER SAMPLE COOLERS

TECHNICAL SPECIFICATIONS



Materials

Cooling cylinder	EN 1.4404 (ASTM 316L)
Standard sample coil	EN 1.4404 (ASTM 316L)

Temperature, Pressure & Sample flow

Cooling water circuit	Max. 16bar, 100°C
Sample circuit	Max. 250 bar, 550°C
Sample flow rate	Up to 2.0 l/min

Process Connections

Sample connections	Pipe 6mm
Cooling water connections	Connection for 12mm pipe

General Dimensions

KWSC-1-SS	Height 315mm, Width 210mm
KWSC-2-SS	Height 515mm, Width 210mm

Spare Parts

1. Coil - KWSC-1-SS-C & KWSC-2-SS-C
2. Seal - KWSC-G

Suffix

Model		Suffix codes					Description
WSC	-	X	-	XX	-	X	
Size		1					Capacity: Coil 0,08l, Shell 1,0l
		2					Capacity: Coil 0,15l, Shell 1,8l
Coil material				SS			EN 1.4404 (ASTM 316L)

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