

KEPAS

KEPAS – Pre-defined sampling and analyzing station for drum boilers with single pressure stage.



KEPAS

System Description

- Complete system for monitoring water & steam quality in cycles using boilers with single pressure stage.
- Suitable for a variety of plants due to standard configuration with pre-defined options.
- For local indoor installation.
- Self-standing rack made of stainless steel 1.4301.
- Offers maximum of user comfort and safety.
- Ready for operation.



KEPAS – Pre-Defined Sampling and Analyzing Station

Scope of Supply

- Sample conditioning and analysis rack, assembled, tested and packed for delivery EX WORKS.
- Test and standard system documentation.
- Accessories and consumables for commissioning period.

Sample Line and Measured Parameters

Possible Measurement Combinations									
Sample Line	Condition Ranges (design)		Parameters						
			Specific Conductivity	Acid Conductivity (after cation exchanger)	pH (with glass electrode)	pH (calculated value)	Dissolved Oxygen	Silica	Manual Grab Sample
Basic Assembly									
Feedwater	to 232°C	35 - 220 bar	●	●		●	○		●
Boiler Water	to 537°C	35 - 220 bar	●	●	○	●			●
Live/Saturated Steam	to 537°C	50 - 220 bar	●	●		●		○	●
Options									
Condensate	to 232°C	3 - 35 bar	○						○
Demin Water	to 45°C	4 - 16 bar						○	

- Basic configuration
- Optional

Sample Preparation

Each sample line is equipped with a sample conditioning system to ensure:

- Reliable operation; delivery of adequately cooled sample under constant pressure to the analyzing instrument.
- Safety for the personnel (shut-off elements, high-temperature and pressure protection).
- Low-maintenance operation.

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