

VA purgemeters with surface passivation for trace-level analysis

- Optional surface treatment for all wetted parts to eliminate surface adsorption of chemically active compounds in analyser feed
- Inert silicon coating for cone, float, valve components, etc.

Text:

Duisburg, April 5, 2016: For its variable area flow meters DK_32, DK_34 and DK_37, KROHNE now offers the option of surface passivation for trace-level analysis.

Trace-level analysis is used for providing evidence of very small concentrations in the range of ppm (parts per million) to ppb (parts per billion). Here, it is very important that none of the particles to be detected are already adsorbed in the sample feed line as this would lead to a delayed or even wrong analysis result. Examples are the measurement of H₂S content in natural gas or oil, mercury, or NO_x/SO_x flue gas analysis in various industries.

To avoid adsorption, sample feed lines, fittings and valves can be surface passivated. This can now also be applied to the DK_32, DK_34 and DK_37 all-metal purgemeters that are used for adjustment and monitoring of the sample flow to the analyser.

Before being assembled and calibrated, all metal components in contact with the medium such as cone, float, valve components, etc., receive a SilcoNert 2000 inert silicon coating, a patented surface treatment at a temperature of 400°C / 752°F. The same is possible for wetted metal components of DK_46, DK_47, DK_48 and DK_800 glass devices.

SilcoNert 2000 is a registered trademark of SilcoTek.

About KROHNE: KROHNE is a full-service provider for process measuring technology for the measurement of flow, mass flow, level, pressure and temperature as well as analytical tasks. Founded in 1921 and headquartered in Duisburg, Germany, the company employs over 3,500 people all over the world and is present on all continents. KROHNE stands for innovation and maximum product quality and is one of the market leaders in industrial process measuring technology.

Picture:



Caption: VA purgemeters DK32, DK34 and DK37 now available with surface passivation for trace-level analysis

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