

UNIQUE SELLING POINTS OF KLINGER PISTON VALVE

KVN:

In order to support you in your daily business and at customer meetings, we would like to present you the special product features and technical advantages of the KLINGER piston valve series KVN. Therefore we want to focus on the special features of:

- » The sealing system structure
- » The valve rings
- » The body
- » Quality
- » Options



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» (1) Sealing system structure:

Reliable valve ring / piston construction ensures maximum mechanical stability and is insensitive to pressure shocks.

Sealing design is valid for the usage of milky or cloudy media.

Valid for extreme high service temperatures up to 400°C .

Due to sealing system structure (piston is moving through the valve rings and lantern bush – no classic seat), low torque is granted.

Based on lower torque – high operating cycles are possible.

» (2) Valve rings:

Standard Valve Ring KX-GT is made of pure graphite with serrated stainless steel layer which is a very reliable design and insensitive to pressure and temperature shocks.

The standard valve ring KX-GT is valid up to 400°C.

Second available valve ring type KX1 made of graphite with PTFE is applicable for TA Luft → tightness to atmosphere.

» (3) Body:

Compact casted construction is insensitive insensitive to pipe forces and temperature fluctuations.

Pressure balanced version available.

Installation of the valve in any position possible – horizontal, vertically, diagonal, upside down.

Due to the standard graphite valve rings, the KVN is in standard version fire safe.

» (4) Quality:

Long service life proven in field.

Service friendly: Maintenance could be done inline without dismantling the valve from the pipeline.

Leakage rate A – best in class → tested acc. EN12266-1.

Every item of the valve is available as spare part.

Self cleaning effect due to the piston function.

The valve rings are not located directly in the flow → therefore no erosion and higher life time of the valve rings.

» (5) Options:

Many different additional features are available:

Regulation version, oxygen version, spindle extension, heating jacket, pneum. and electric actuators ...

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