KP-S

Sampling directly from the container/tank

- for liquid media
- für media containing solids
- Ventilation: system external to atmosphere

DN 15 – 100, PN 10 – 40
NPS ½“ – 4“ / Class 150 – 300

Application range: -29 < T < 230°C, vacuum 10^{-8} mbar

Design Features

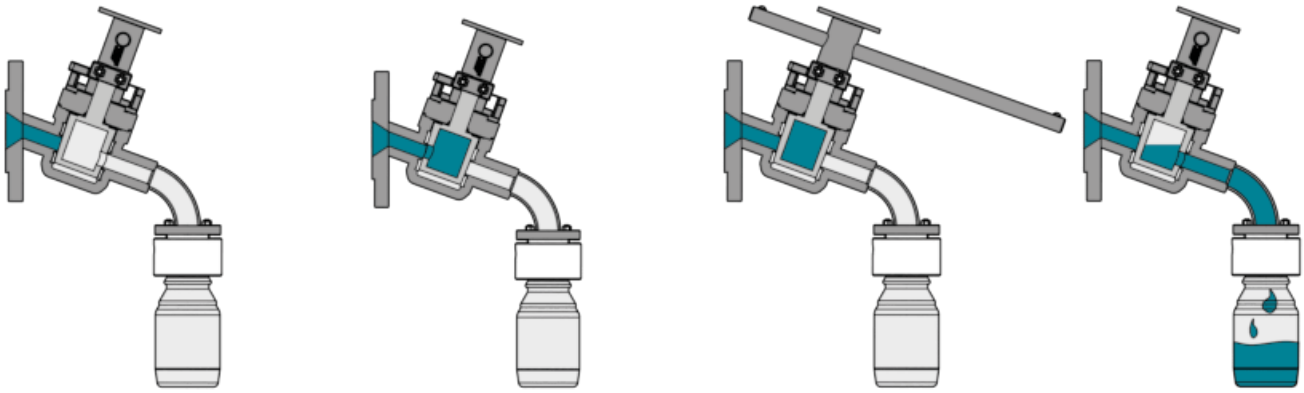
Design Features

- sampling directly from container or tank
- defined representative sample quantity
- sample quantity from Pmin 25 ml to Pmax 100 ml

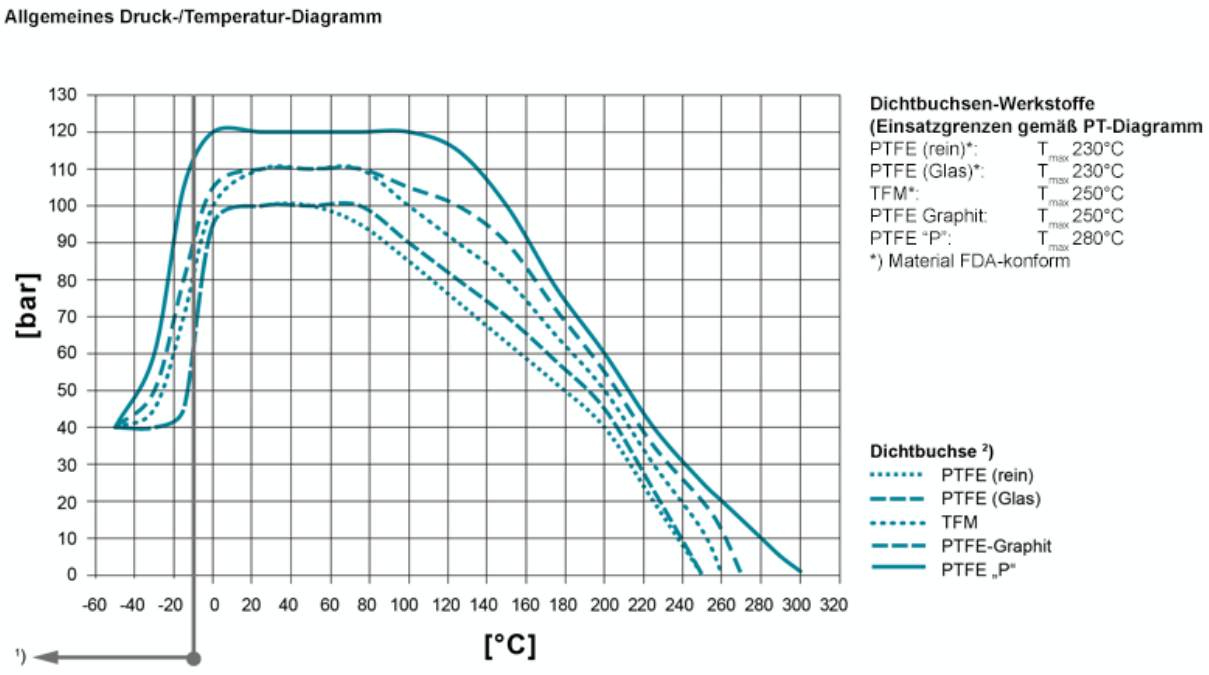
Options

- heating jacket
- purging device
- automation
- adapter for laboratory bottle with custom thread

Working principle



PT-Diagram



Operating temperatures < -30°C and > 220 °C have to be checked and approved by AZ according to the operating conditions.

Besides the P/T value of the sleeve the limitations of the valve bodies also have to be considered. Please refer to the EN 12516-1 resp. ASME B16.34 in order to choose a proper pressure rating (PN/class). The shown values refer to austenitic stainless steel 1.4408 (A351 Gr. CF8M).

1) For operating temperatures below -10°C low temperature / austenitic steels are required.

2) Sleeve: There are different sleeve materials / compounds available.

Materials

Standard body materials
• Carbon Steel 1.0619, ASTM A216 WCB
• Stainless Steel 1.4408, ASTM A351 CF8M
• Stainless Steel 1.4308, ASTM A351 CF8
• Unalloyed stainless steel casting (low Temp.) 1.1138, LCC/LCB/A352

Standard plug materials
• Stainless Steel 1.4408, ASTM A351 CF8M
• Stainless Steel 1.4308, ASTM A351 CF8

Special materials
• Alloys
• Monel
• Nickel
• Titan
• other materials on request

Sealing Systems

Standard sealing for all major applications;
Tmax 230°C

Type STD

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Dimensions

on request

Actuation

on request