

# KA-P

## Sampling valve with PFA / FEP lining

- 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:  $-29 < T < 150^{\circ}\text{C}$ , vacuum  $10^{-8}$  mbar

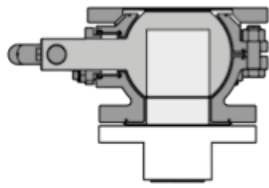
## Design Features

- sampling directly from container/tank
- representative sampling with pre-defined sample size
- custom bottle connector
- container connection optionally with weld-ends or flanges
- sample size from Pmin 25 ml to Pmax 100 ml

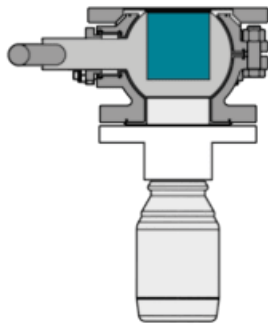
## Options

- various materials for body and lining available
- ball made of stainless steel
- automation

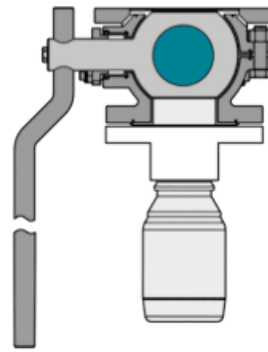
## Working Principle



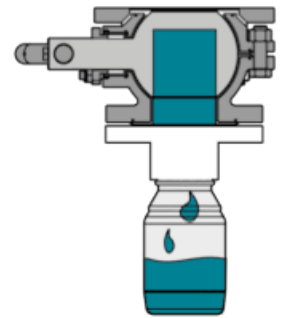
default position



filling of the plug,  
pre-defined sample size



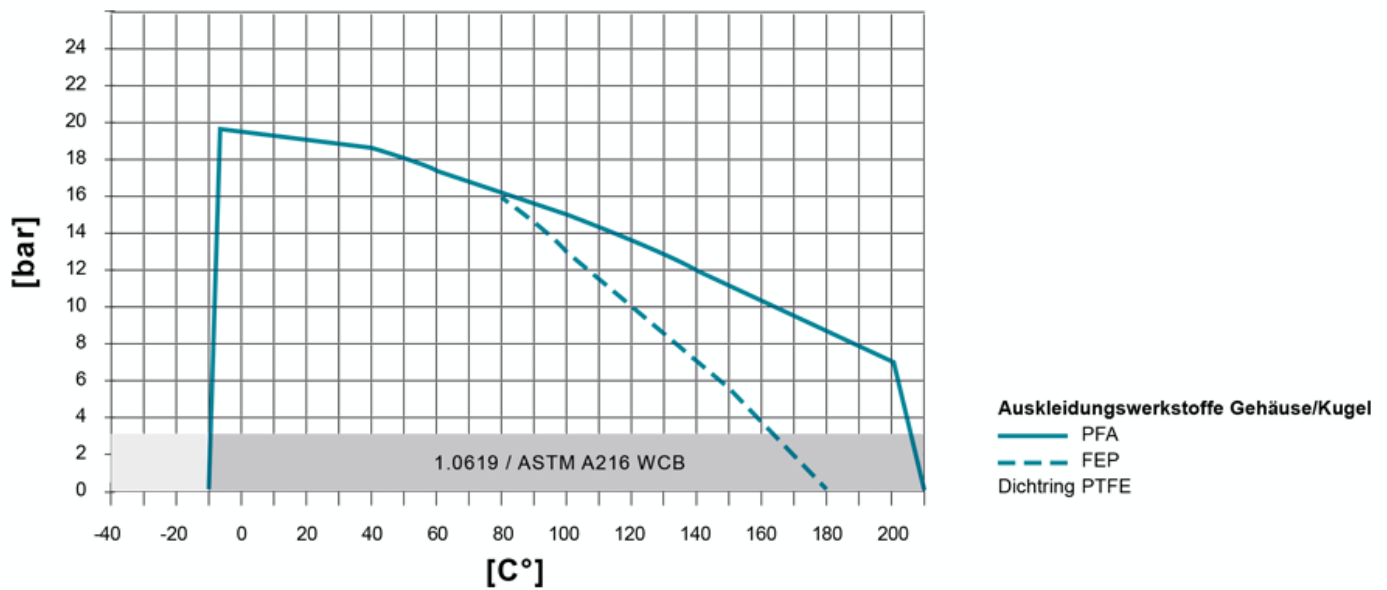
isolation of sample  
– pressure-less ! –



sample taking,  
filling the bottle

## PT-Diagram

Allgemeines Druck-/Temperatur-Diagramm



The specified values depend on the respective application (medium). Operating temperatures under -20°C only with body material 1.4408 or low-temperature steel. High pressure resistance / temperature resistance on request, e.g. PN 40.

Sleeve: There are different sleeve materials / compounds available.

## Materials

### Standard body materials

- Stainless Steel 1.4308, ASTM A351 CF8

### Standard Ball material

- Stainless Steel 1.4308, ASTM A351 CF8

### Special materials

- Carbon Steel 1.0619, ASTM A216 WCB
- Stainless Steel 1.4408, ASTM A351 CF8M
- Unalloyed stainless steel casting (low Temp.) 1.1138, LCC/LCB/A352

### Lining materials

- Body: PFA, PFA-conductive, FEP
- Ball: PTFE, PFA, PFA-conductive, FEP
- Seal Ring: PTFE

## Sealing Systems

Chemical sealing to prevent fugitive emissions of aggressive and toxic media with PTFE packing for additional stem sealing;  $T_{\max}$  230°C

### Type CAS

[read more \[...\]](#)

## Dimensions

on request

## Actuation

on request