

## TYPE CONTIFLOW

**Sampling System**

**DN 15 - 100 / PN 10 - 40**

**NPS ½" - 4" / class 150 - 300**



**Liquids**



**Solids**



**7.1**

- free of cavity
- closed system
- maintenance free - self lubricating
- pressureless sampling
- defined representative sample quantity (25ml)
- piggable
- no flow interruption
- simple and foolsafe handling
- sampling in vacuum possible

# TYPE CONTIFLOW

## Design characteristics and functional principle

For the first time - with the Contiflow - a sampling system has been designed which is **piggable and absolutely cavity free**. The utilization of the a metallic rotary plug valve allows a limited variable test volume. ( $V_p=25 - 50\text{ml}$ ). Furthermore this design allows a representative and discontinuous extraction from the process without interrupting the flow!

### Advantages

- cavity free
- piggable
- no flow interruption
- possible extraction in vacuum
- simple and safe handling
- positive sampling (positive overlap)
- incorrect operation impossible- foolproof
- defined sample quantity ( $V_p$ )

### Individual bottle attachment

- adaptor for laboratory bottle with ISO-tread GL 32/45
- needle system with laboratory bottle
- clamped bottle
- special solutions and bottle systems (see leaflet 7.6)

### Technical dates

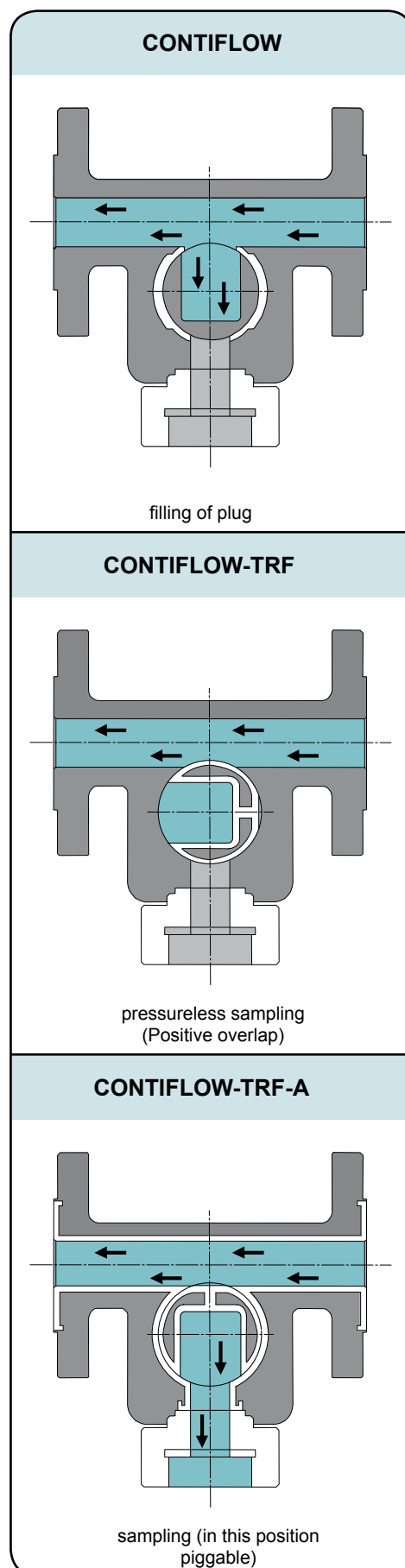
- temperature range  $-40^{\circ}\text{C}$  to  $+230^{\circ}\text{C}$
- face to face dimensions acc. To DIN and ANSI
- sizes DN 15 - DN 100
- standard body material 1.4408, 1.4571
- sampling volume  $V_p = 25 - 50\text{ml}$

### Options

- heated jacket
- vertical "V" or horizontal "W" design
- block design for special materials
- lining materials PFA, PFA conductive, FEP, PVDF
- pneumatic, electric or hydraulic actuator

### On request

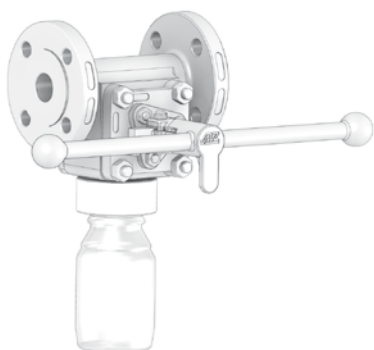
- special materials such as Titanium, Monel, Nickel, Hastelloy etc..
- other sizes DIN, ANSI, JIS, BS



# TYPE CONTIFLOW

## Design variations

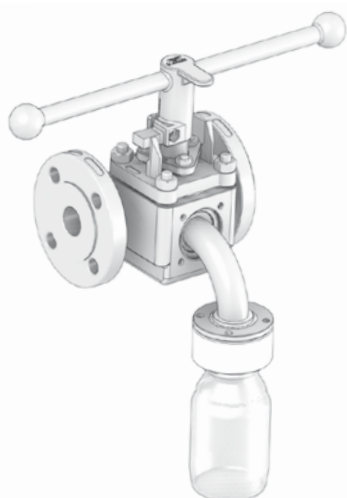
### CONTIFLOW for standard installation



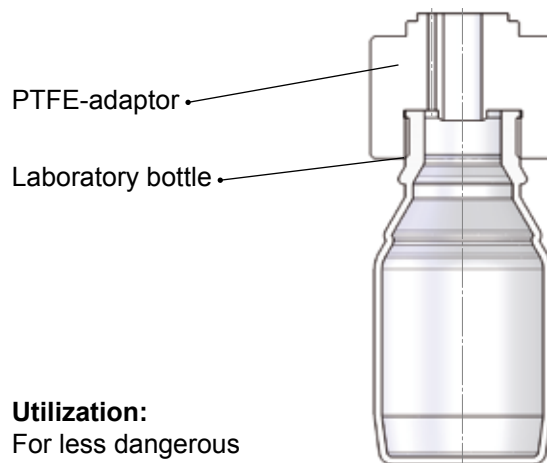
### CONTIFLOW - V for vertical installation



### CONTIFLOW - W for horizontal installation

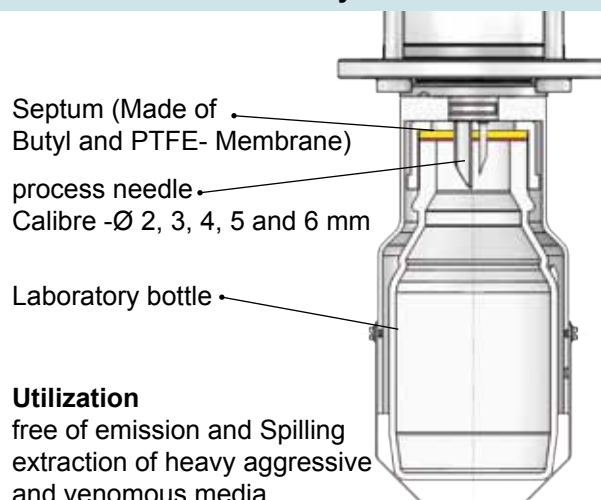


### PTFE-Adapter for ISO-thread GL 32/45



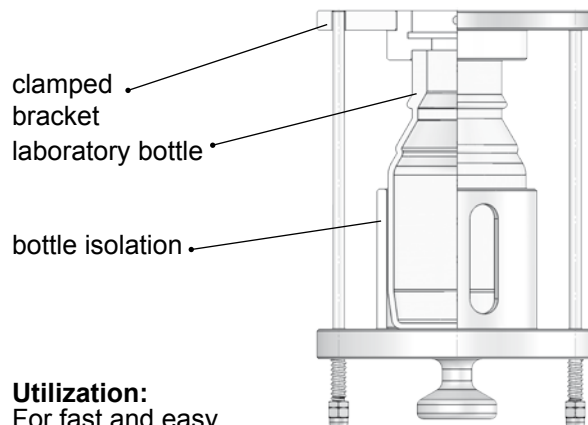
**Utilization:**  
For less dangerous  
liquids such as solid media

### Closed needle system CONTIFLOW for laboratory bottle



**Utilization**  
free of emission and Spilling  
extraction of heavy aggressive  
and venomous media

### Clamped bracket for laboratory bottle

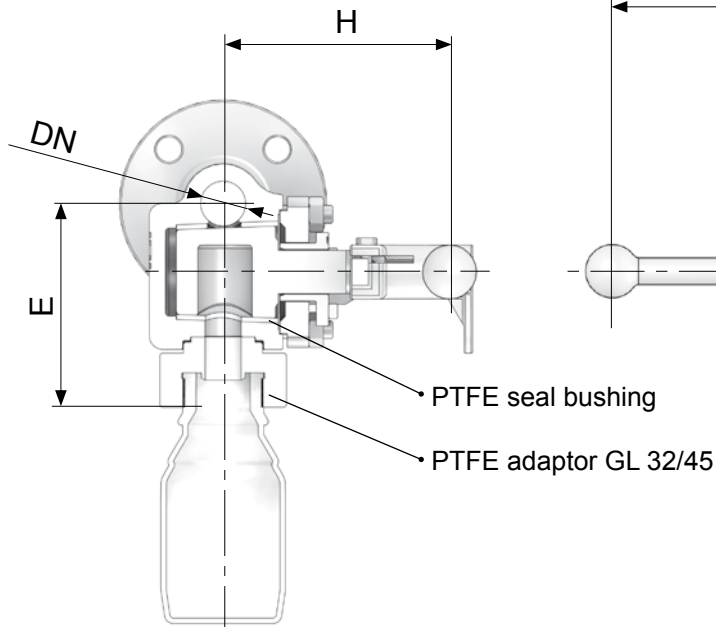


**Utilization:**  
For fast and easy  
exchange of bottle  
even for heated version

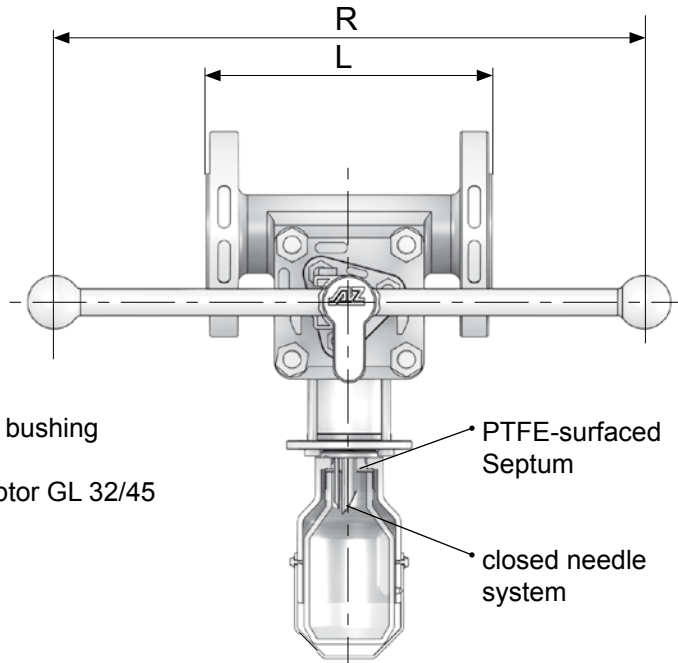
# TYPE CONTIFLOW

Dimensions DN 15 - 100 NPS 1" - 4" acc. DIN / ASME

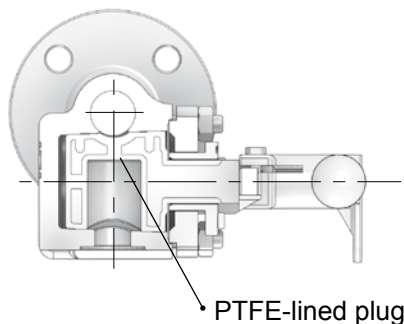
**Contiflow with  
PTFE adaptor for GL 45**



**Contiflow with closed  
needle system for laboratory bottle**



## Contiflow-TRF



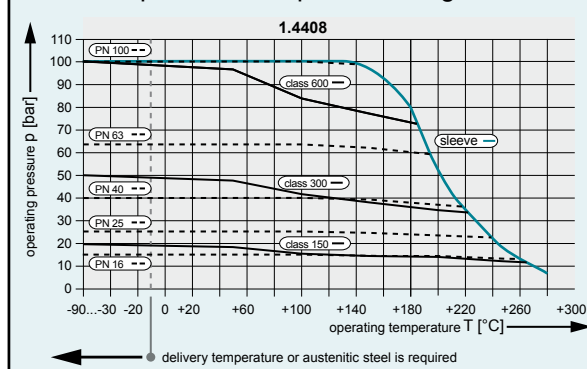
The advantages of Type Contiflow are

- PTFE-lined plug
- cavity free- **pharmaceutical cip competent**
- defined, representative test volume
- easy repair option with exchange of PTFE-lined plug and sealings
- utilization -40°C to +220°C

|                        | DN     | PN    | L   | H     | R   | E    |
|------------------------|--------|-------|-----|-------|-----|------|
| DIN EN<br>1092/1 588-1 | 15     | 10-40 | 160 | 128   | 380 | 73,5 |
|                        | 25     | 10-40 | 160 | 128   | 380 | 111  |
|                        | 40     | 10-40 | 200 | 128   | 380 | 120  |
|                        | 50     | 10-40 | 230 | 141,5 | 465 | 133  |
|                        | 80     | 10-40 | 310 | 141,5 | 465 | 152  |
|                        | 100    | 10-40 | 350 | 141,5 | 465 | 165  |
| ASME B<br>16.5 / 16.10 | 1/2"   | 150   | 127 | 128   | 380 | 73,5 |
|                        | 1"     | 150   | 127 | 128   | 380 | 111  |
|                        | 1 1/2" | 150   | 165 | 128   | 380 | 120  |
|                        | 2"     | 150   | 178 | 141,5 | 465 | 133  |
|                        | 3"     | 150   | 203 | 141,5 | 465 | 152  |
|                        | 4"     | 150   | 229 | 141,5 | 465 | 165  |

On enquiry / order: Please state material for body and plug.  
ANSI 300 on request.

**pressure-temperature-diagram**



operating temperature < -30°C and > 220 °C need to be approved by AZ  
confirming their operating conditions.

### Order example:

**CONTIFLOW-DN25-PN40-1.4571-VP=25ml-VF=100ml**  
CONTIFLOW-W= sampling type, DN25 = rated value,  
PN40 = ,rated pressure 1.4571 = encasement material,  
VP=25ml = test volume, VF=100ml = expanse volume



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free of cavity & maintenance