

# Type SAMPLING

## specific & defined sample



for liquid media

Sampling volume / operation:

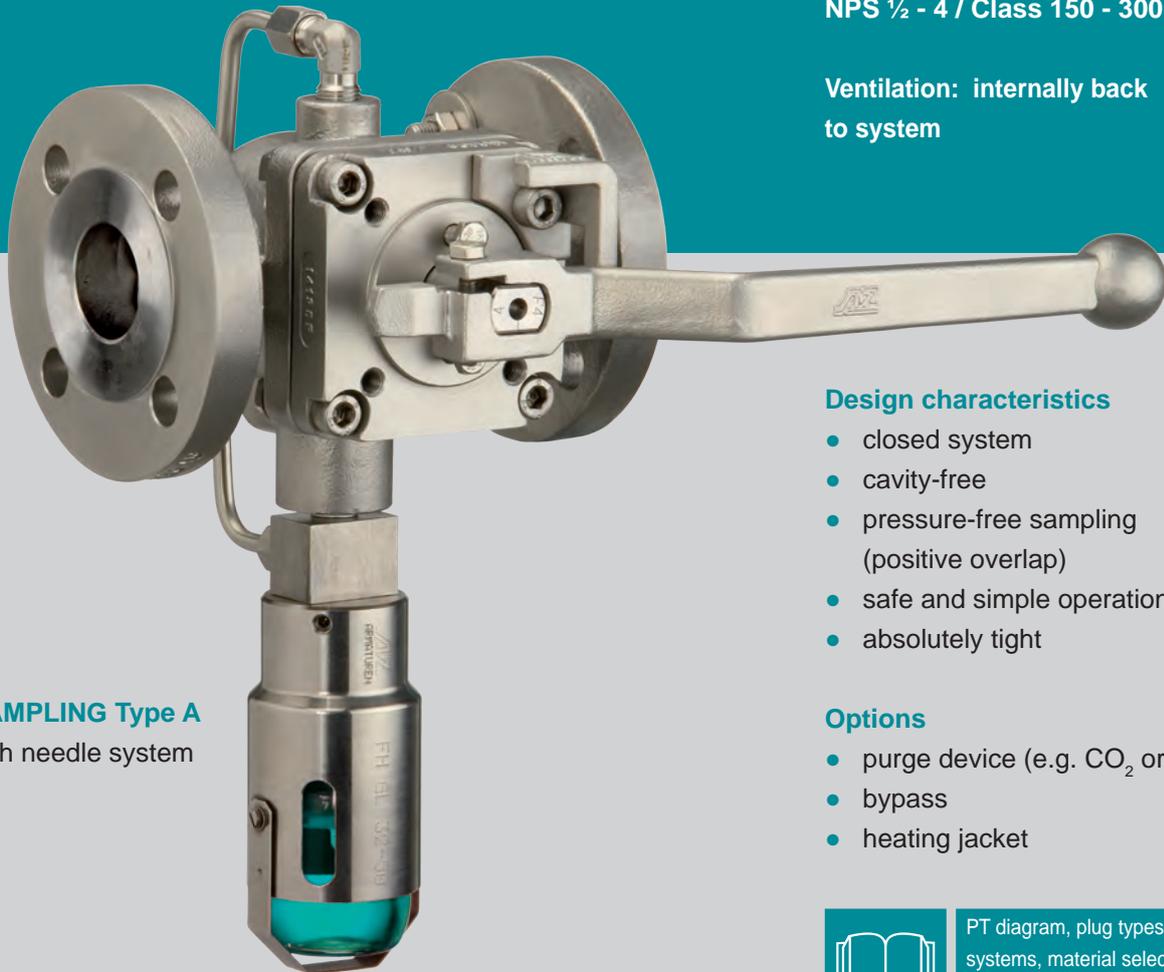
$V_{P\ min}$  25 ml /  $V_{P\ max}$  405 ml

- spilling eliminated and contamination free

DN 15 - 100 / PN 10 - 40

NPS ½ - 4 / Class 150 - 300

Ventilation: internally back to system



**SAMPLING Type A**  
with needle system

### Design characteristics

- closed system
- cavity-free
- pressure-free sampling (positive overlap)
- safe and simple operation
- absolutely tight

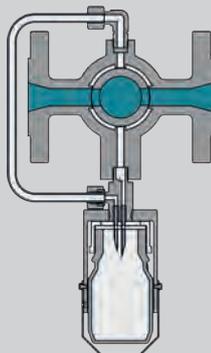
### Options

- purge device (e.g. CO<sub>2</sub> or N<sub>2</sub>)
- bypass
- heating jacket

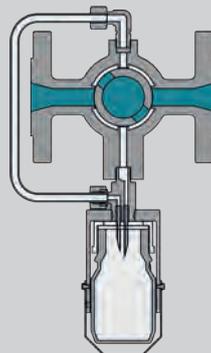


PT diagram, plug types, sealing systems, material selection: see catalogue part ENGINEERING

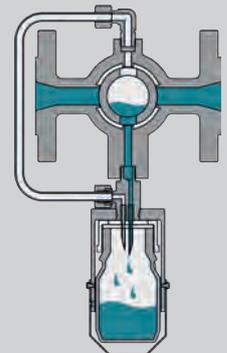
### Functionality



circulation /  
filling the plug



pressure-free  
sampling  
(positive overlap)



sample drawing  
(ventilation: internally  
back to system)

# Type overview / Supplementary equipment with needle system / septum or PTFE adapter



HORIZONTAL

## SAMPLING Type A

with needle system and septum  
for lab bottle

Actuation: hand lever, front



HORIZONTAL

## Sampling Type B

with PTFE adapter for lab bottle  
alternative clamping bottle hold-  
er with bayonet fixing

Actuation: hand lever, front



## Bypass

Type A and type B alternative  
with bypass (no product flow  
interruption)



VERTICAL

## SAMPLING Type AV

with needle system and septum  
for lab bottle

Actuation: hand lever

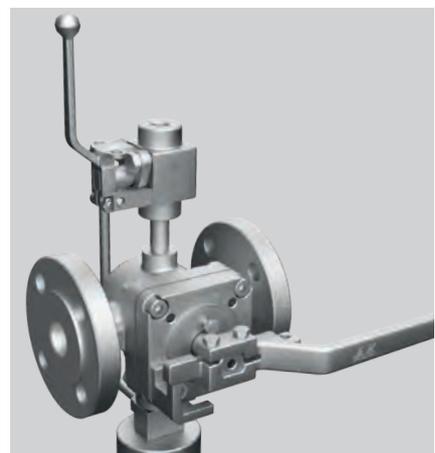


VERTICAL

## SAMPLING Type BV

with PTFE adapter for lab bottle  
alternative clamping bottle hold-  
er with bayonet fixing

Actuation: hand lever



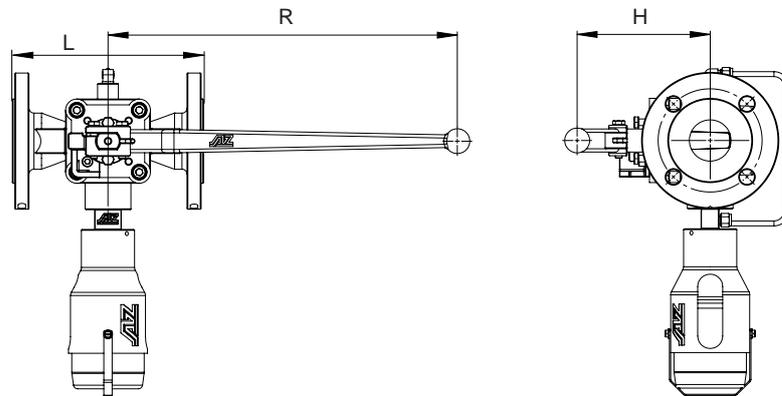
## Purge device

Type A and type B alternative  
with manual system purge

Actuation: hand lever

# Type SAMPLING

## Technical information



	DN	PN	L [mm]	R [mm]	H [mm]	plug sample volume $V_p$ [ml]		process- / ventilation needle $\varnothing$ [mm]	
						type A	type B	type A	type B
DIN EN 558	15	10-40	130	200	104	20 / 30 / 50	20 / 30 / 50	2 / 2	6 / 6
	25	10-40	160	200	104	30 / 50	30 / 50	2 / 2	6 / 6
	40	10-40	200	320	124	30 / 50	30 / 50	2 / 2	6 / 6
	50	10-40	230	420	159	30 / 50	30 / 50	2 / 2	6 / 6
	80	10-40	310	600	165	145	145	2 / 2	6 / 6
	100	10-40	350	600	165	405	405	2 / 2	6 / 6
ASME B16.10	NPS	Class	L [mm]	R [mm]	H [mm]	plug sample volume $V_p$ [ml]		process- / ventilation needle $\varnothing$ [mm]	
	1/2"	150	108	200	104	20 / 30 / 50	20 / 30 / 50	2 / 2	6 / 6
		300	140	200	104	30 / 50	30 / 50	2 / 2	6 / 6
	1"	150	127	200	104	30 / 50	30 / 50	2 / 2	6 / 6
		300	165	200	104	30 / 50	30 / 50	2 / 2	6 / 6
	1 1/2"	150	165	320	124	30 / 50	30 / 50	2 / 2	6 / 6
		300	190	320	124	30 / 50	30 / 50	2 / 2	6 / 6
	2"	150	178	420	159	30 / 50	30 / 50	2 / 2	6 / 6
		300	216	420	159	30 / 50	30 / 50	2 / 2	6 / 6
	3"	150	203	600	165	145	145	2 / 2	6 / 6
300		282	600	165	145	145	2 / 2	6 / 6	
4"	150	229	600	165	405	405	2 / 2	6 / 6	
	300	305	600	165	405	405	2 / 2	6 / 6	

Other nominal sizes and pressures > PN 40 / class 300 on request.

Some designs, sizes and/or configurations may be fitted with threaded flange holes.