

Type SAMPLING

specific & defined sample



for liquid media

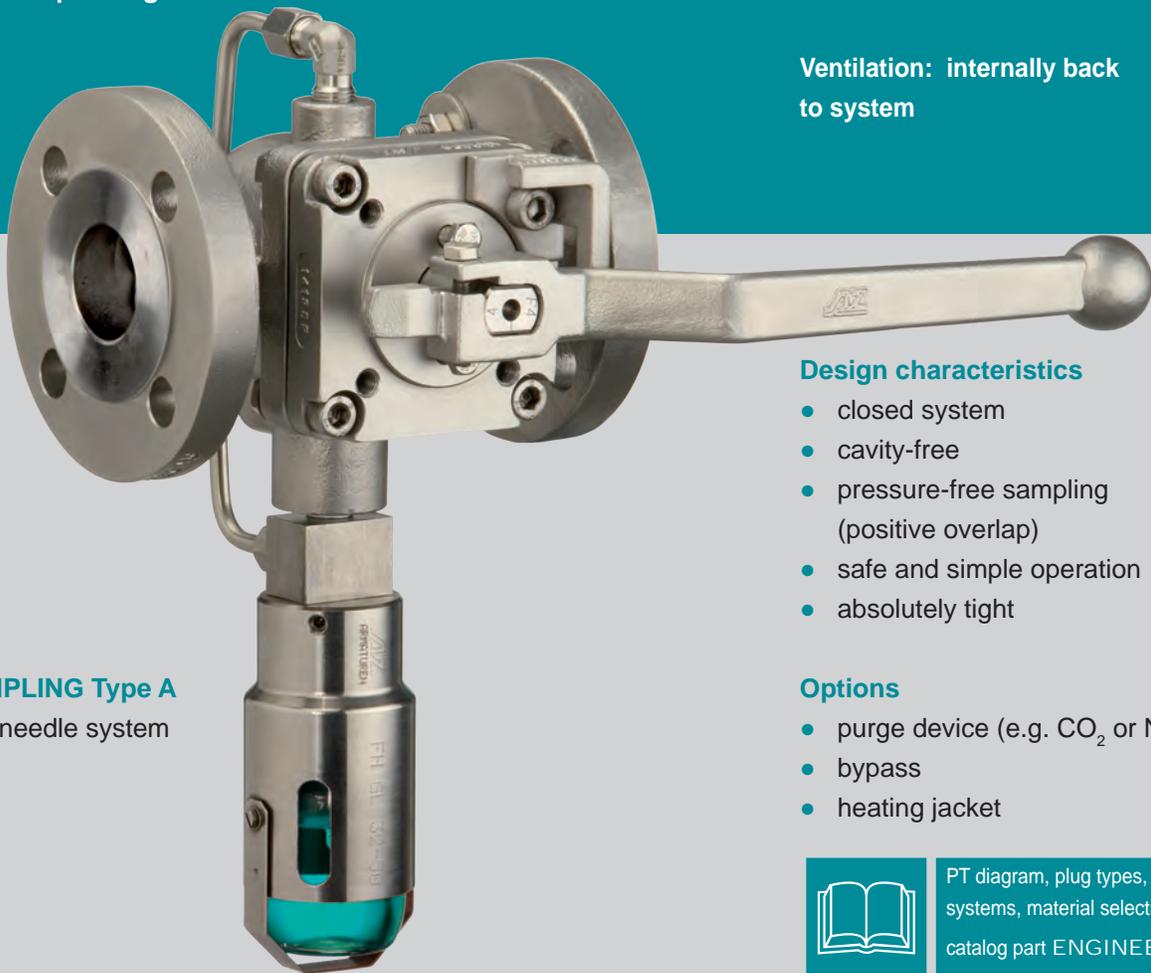
Sampling volume / operation:

$V_{P \min}$ 0.9 oz / $V_{P \max}$ 3.4 oz per stroke,
depending on valve size

- spilling eliminated and contamination free

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

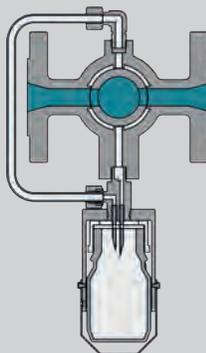
Options

- purge device (e.g. CO₂ or N₂)
- bypass
- heating jacket

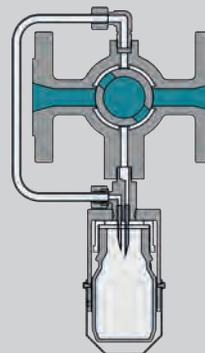


PT diagram, plug types, sealing systems, material selection: see catalog part ENGINEERING

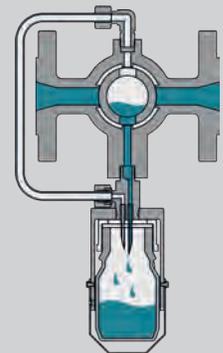
Functionality



circulation /
filling the plug

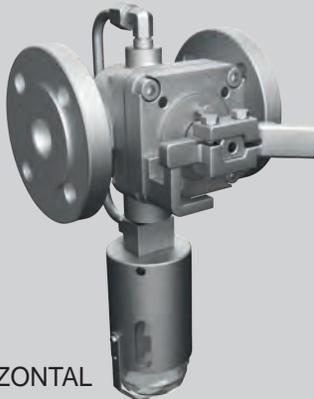
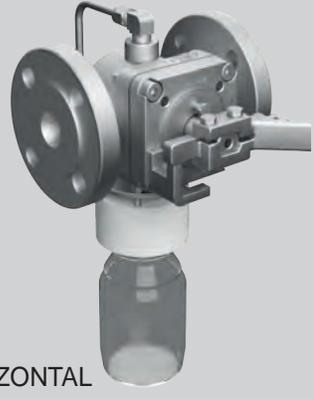


pressure-free
sampling
(positive overlap)



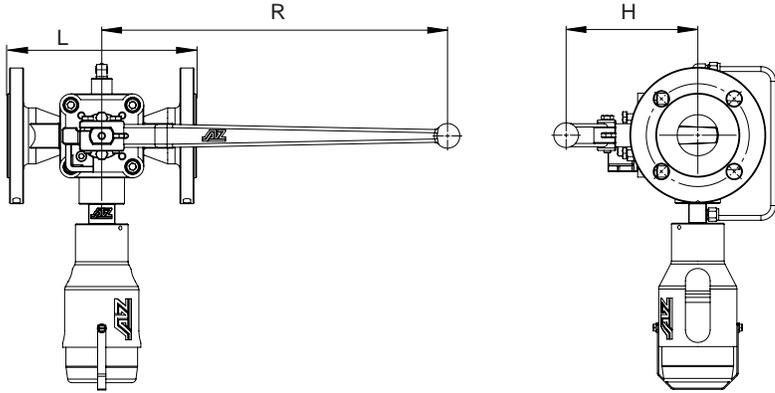
sample drawing
(ventilation: internal
back to system)

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

 <p>HORIZONTAL</p>	 <p>HORIZONTAL</p>	
<p>SAMPLING Type A</p> <p>with needle system and septum for lab bottle</p> <p>Actuation: hand lever, front</p>	<p>Sampling Type B</p> <p>with PTFE adapter for lab bottle alternative clamping bottle holder with bayonet fixing</p> <p>Actuation: hand lever, front</p>	<p>Bypass</p> <p>Type A and type B alternative with bypass (no product flow interruption)</p>
 <p>VERTICAL</p>	 <p>VERTICAL</p>	
<p>SAMPLING Type AV</p> <p>with needle system and septum for lab bottle</p> <p>Actuation: hand lever</p>	<p>SAMPLING Type BV</p> <p>with PTFE adapter for lab bottle alternative clamping bottle holder with bayonet fixing</p> <p>Actuation: hand lever</p>	<p>Purge device</p> <p>Type A and type B alternative with manual system purge</p> <p>Actuation: hand lever</p>

Type SAMPLING

Technical information



ASME B16.10	NPS	Class	L		R		H		plug sample volume V _p		process- / ventilation needle Ø [mm]	
			[mm]	[Inch]	[mm]	[Inch]	[mm]	[Inch]	type A	type B	type A	type B
			[ml]	[oz]	[ml]	[oz]	[mm]	[Inch]	[mm]	[Inch]		
1/2	150	108	4.25	200	104	20 / 30 / 50	20 / 30 / 50	2 / 2	6 / 6			
	300	140	5.50	7.87	4.09	0.7 / 1.0 / 1.7	0.7 / 1.0 / 1.7	0.08 / 0.08	0.24 / 0.24			
1	150	127	5.00	200	104	30 / 50	30 / 50	2 / 2	6 / 6			
	300	165	6.50	7.87	4.09	1.0 / 1.7	1.0 / 1.7	0.08 / 0.08	0.24 / 0.24			
1 1/2	150	165	6.50	320	124	30 / 50	30 / 50	2 / 2	6 / 6			
	300	190	7.50	12.60	4.88	1.0 / 1.7	1.0 / 1.7	0.08 / 0.08	0.24 / 0.24			
2	150	178	7.00	420	159	30 / 50	30 / 50	2 / 2	6 / 6			
	300	216	8.50	16.54	6.26	1.0 / 1.7	1.0 / 1.7	0.08 / 0.08	0.24 / 0.24			
3	150	203	8.00	600	165	145	145	2 / 2	6 / 6			
	300	282	11.10	23.62	6.50	4.9	4.9	0.08 / 0.08	0.24 / 0.24			
4	150	229	9.00	600	165	405	405	2 / 2	6 / 6			
	300	305	12.00	23.62	6.50	13.7	13.7	0.08 / 0.08	0.24 / 0.24			

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

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