

Type PPV Piston Purge Valve

- suitable for sampling of high viscosity / pasty media, liquid with solids-containing media, crystallized products, powder
- piston removes residues
- free of cavity

*engineered.
fast.
dynamic.*



SAMPLING - type PPV S 3

Type PPV

Piston Purge Valve



for liquid and highly viscous media and
polymerizing / crystallizing media
Sampling volume / operation: freely selectable
Bottle volume: $V_{F \min}$ 100 ml / $V_{F \max}$ 250 ml

- plunger design
- for large sample quantity
- safety and simple operation

PN 16-40; Class 150 - 300
Temperature: -40 bis 220°C
Ventilation: to atmosphere

Design characteristics

- cavity free design
- self cleaning piston
- connection: thread or flanges
- Installation: 45° (standard), horizontal or vertical
- material: stainless steel 1.4308, ASTM A341 CF8

Options

- heating jacket
- purging connection
- needle system
- bottle holder for hot media
- operation and PLC control
- other material
- pneumatic actuation

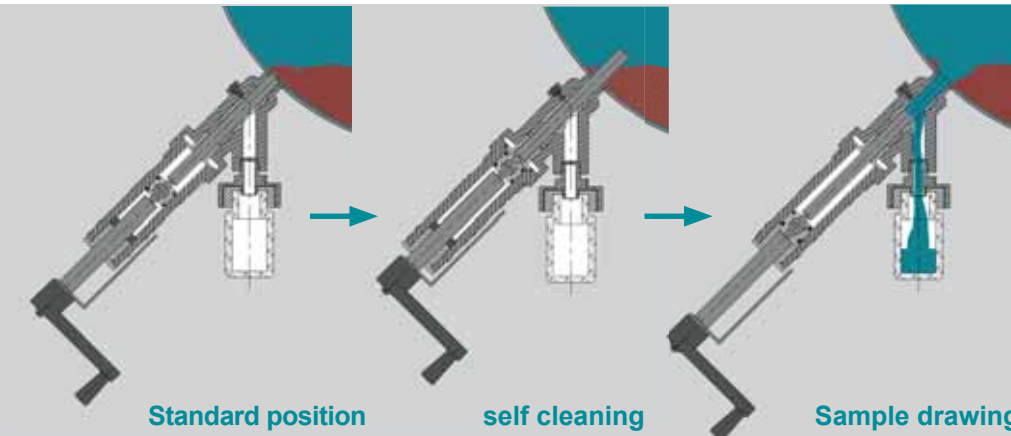
Type PPV

(piston be flush to body)

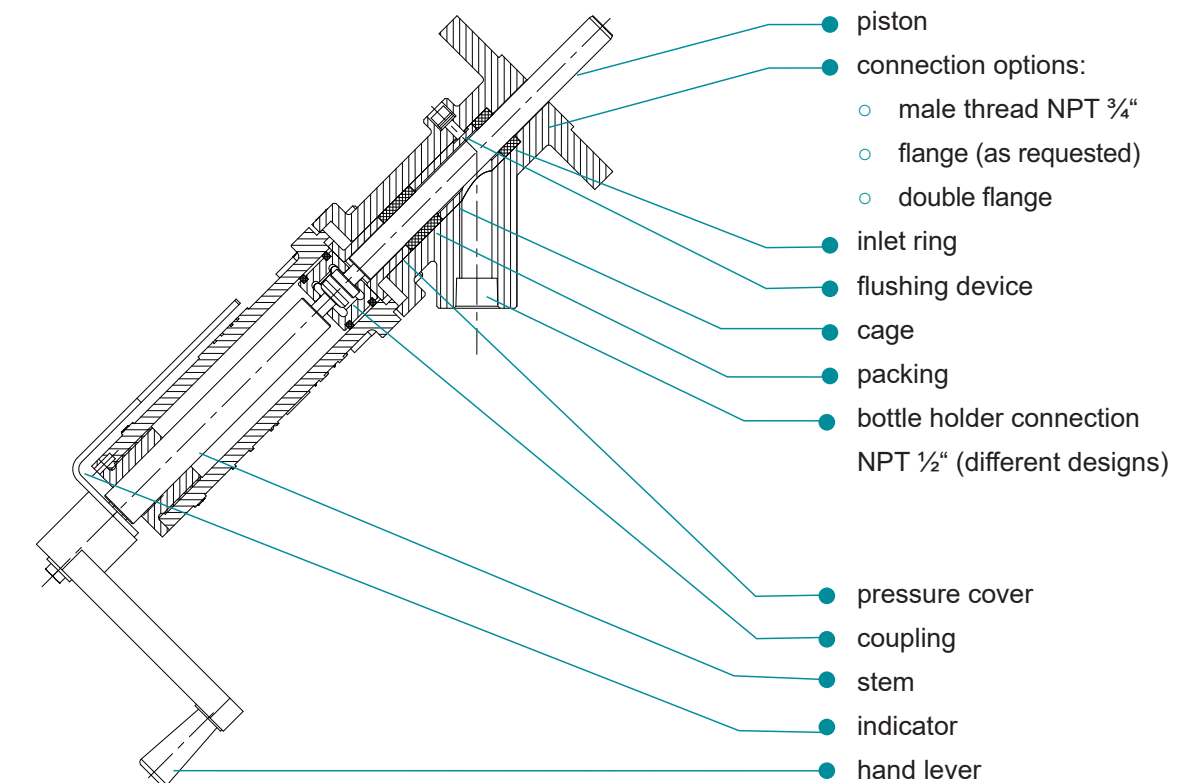


Type PPV-S or PPV-SS

(piston overhanging)



Functionality



Bottle connection designs

PTFA-Adapter

with or without stainless steel ring
for lab bottle with 100 or 250 ml,
GL45



Needle system

for lab bottles with septum
(butyl / PTFE diaphragm)

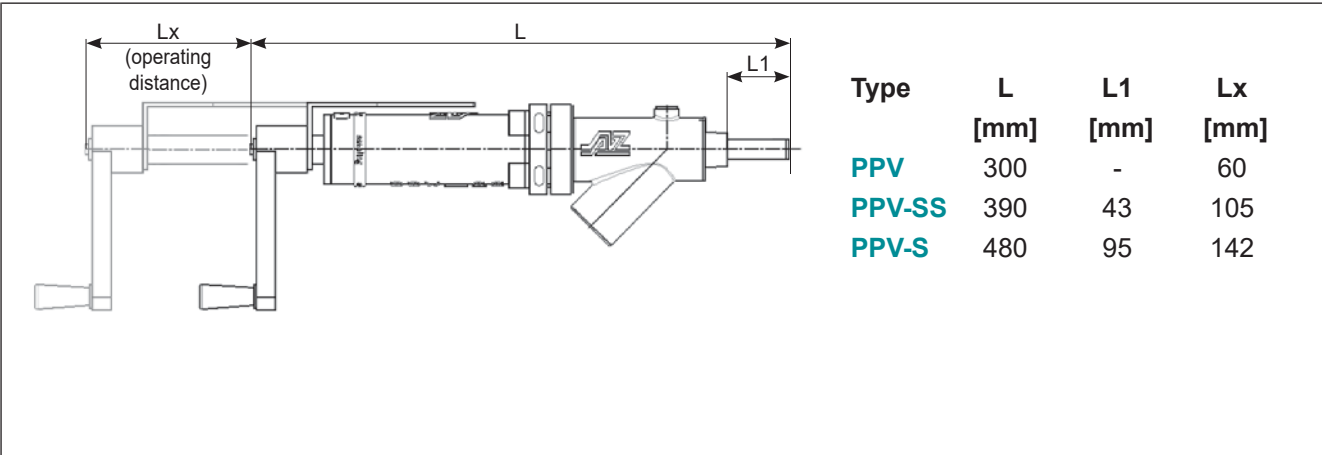


Clamping bottle holder

for hot media



Type overview **PPV**
Technical Information



Connection variants: male thread

- Male thread
- Type NPT
- PPV R 3/4"
- PPV-SS R 3/4"
- PPV-S R 3/4"
- other on request

Connection variants: flange

- Flange
- Type
- PPV DN15 / NPS 1/2"
- PPV-SS DN15 / NPS 1/2"
- PPV-S DN15 / NPS 1/2"
- other sizes on request, dimensions acc. to ANSI B16.5 / EN 1092-1

Connection: double flange, only for PPV-SS / PPV-S

- double flange

DN	PN	øD [mm]	d1 [mm]	d2 [mm]	b [mm]	f [mm]
25	10-40	115	69	25	50	2
40	10-40	150	88	40	50	3
50	10-40	165	102	65	50	3
65	10-40	185	122	65	50	3
80	10-40	200	138	80	50	3
100	10-16	220	158	100	50	3
	25-40	235	162	100	50	3
125	10-16	250	188	125	50	3
	25-40	270	188	125	50	3
150	10-16	285	212	150	50	3
	25-40	300	218	150	50	3
200	10-16	340	268	200	50	3
	25/40	360/375	278/285	200	50	3

other sizes on request

Supplementary equipment

Type PPV-S / PPV-SS with pipeline heating jacket

- type PPV-S / PPV-SS with complete pipeline incl. heating pipe
- Please note: Customer specify pipeline and heating pipe sizes

Order Example:
PPV-S-NPT-AD-SP-HM-HL

Type PPV / PPV-S / PPV-SS with purge device and needle system

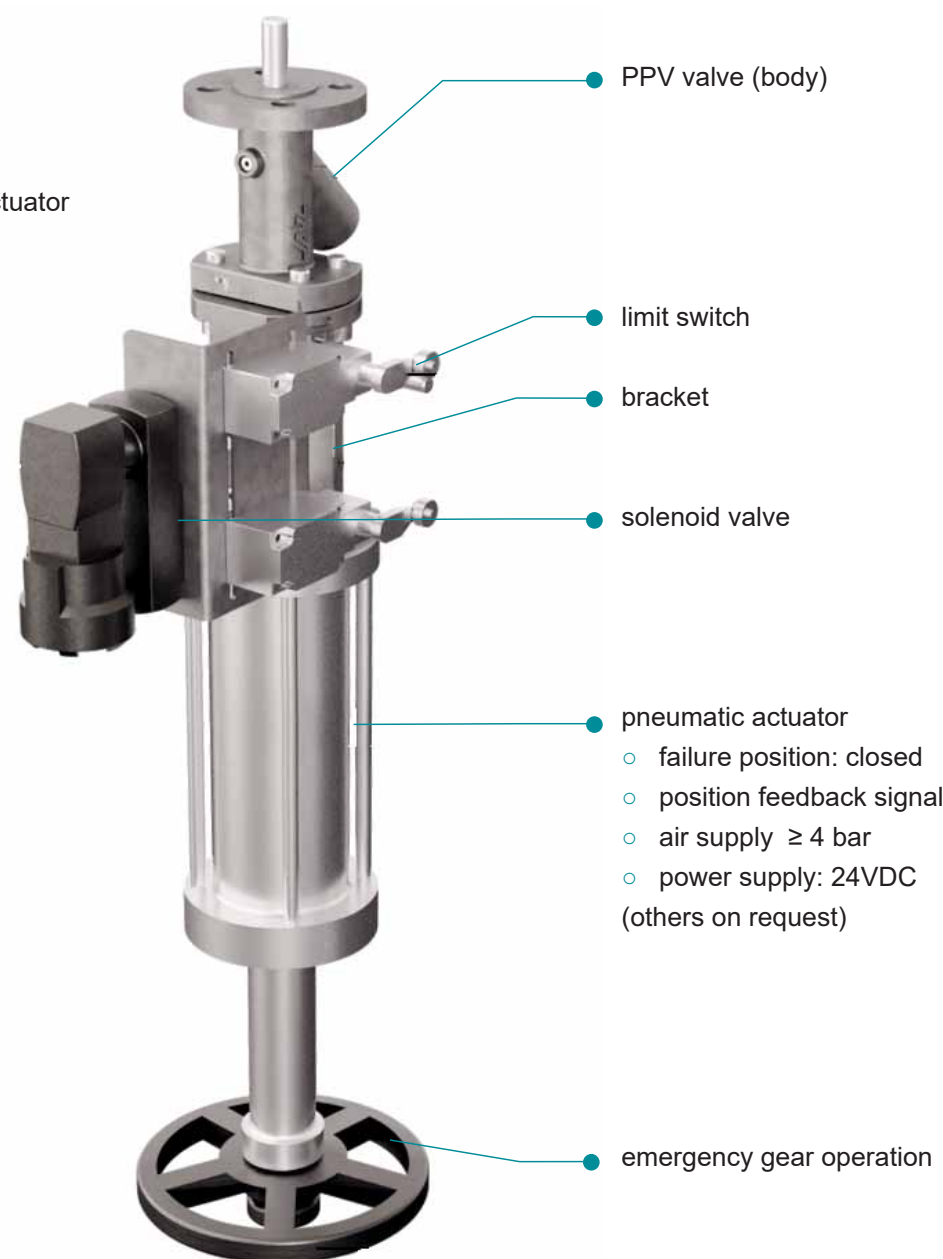
- purge device with air filter ON / OFF valve, check valve (option: SP)
- plunger sampling system type PPV / PPV-S / PPV-SS
- Option HM: storage tank for sampling with heating or cooling jacket
- Option NH: needle system for lab bottle with septum,

Order Example:
PPV-S-FL-NH-SP-HM-HL

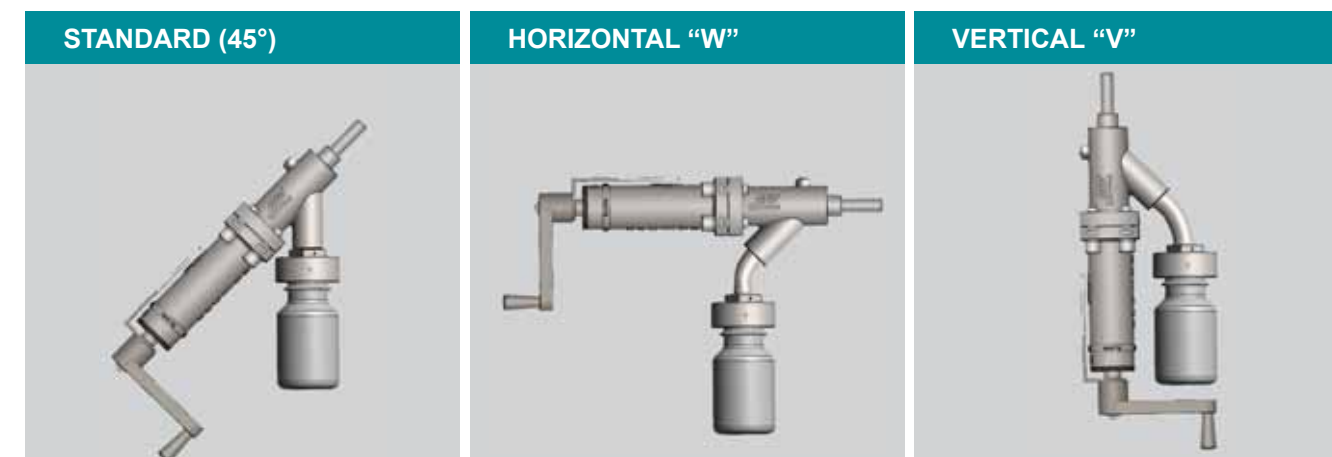
PPV sampling valve with pneumatic actuator with verified and tested components



- suitable for automatic sampling system
- design optimised for straight travel pneumatic actuator



Installation positions / How to order



Order Example

PPV-SS	-	PN16	1.4408	AD	NPT¾	GL250	HL	-
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TYPE		INSTALLATION - standard W horizontal V vertical	PRESSURE RATING CL150 CL300 PN10 PN16 PN25 PN40	STANDARD MATERIALS body Stainless Steel A351 Gr. CF8M 1.4408 other materials on request	BOTTLE CONNECTION DESIGNS AD Adapter, GL 32/45 PP 25/28 NH Needle system, needle size 2 / 3 / 4 / 6 mm SFH Clamping bottle holder, GL 32/45 PP 25/28	BODY CONNECTION NPT¾" male thread NPT¾" FL flange DFL double flange	BOTTLE VOLUME GL 100 / 250 for adapter and Clamping bottle holder PP 60 / 100 / 300 / 500 for needle system	ACTUATION HL lever HLL lever lockable AT Actuator (note type and accessories)	OPTIONS (multiple use possible) HM heating jacket / cooling jacket SP purge device SK Protection box (separate description) ATEX
PPV									
PPV-SS									
PPV-S									

Product range

Plug Valves with PTFE-sleeve

- two-way and multi-way valves

HIGH PERFORMANCE valves

- for processes with demanding requirements

Valves with PFA/ FEP lining

- full safety for operator and environment

Sampling systems

- safe, representative, reliable

Control plug valves

- precise equal percentage or linear control

Piping accessories

- metallic or with PFA / FEP lining

Actuation

- aligned, verified and tested components

Special solutions

- customized solutions

