

Type PPV

Piston purge valve



for liquids and polymerizing / crystallizing media



Sampling volume: variable

- self-cleaning plunger
- non-clogging design
- residue eliminated

Temperature: -40 bis 220°C
Ventilation: to atmosphere



type PPV

piston flush with body



type PPV-S / PPV-SS

extended piston for crust breaking function

Design characteristics

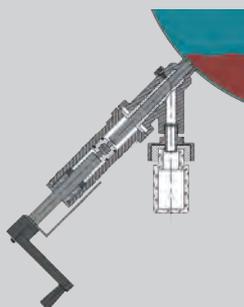
- free of cavity
- installation: 45° (standard), horizontal or vertical

Options

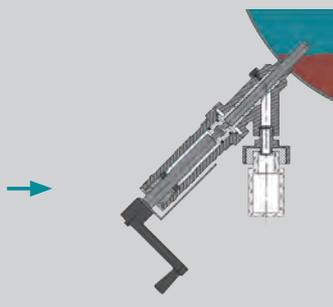
- heating jacket
- purging device
- needle system or clamping bottle holder with bayonet fixing
- automated (pneumatic / electric actuator)
- protection box
- lockable
- special materials
- Fire safe design

Functionality

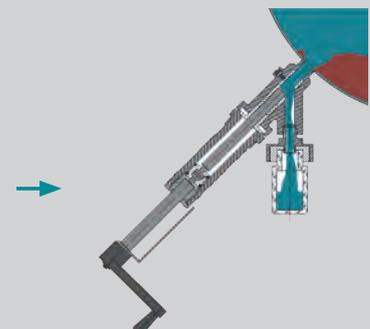
resting position



crust breaking

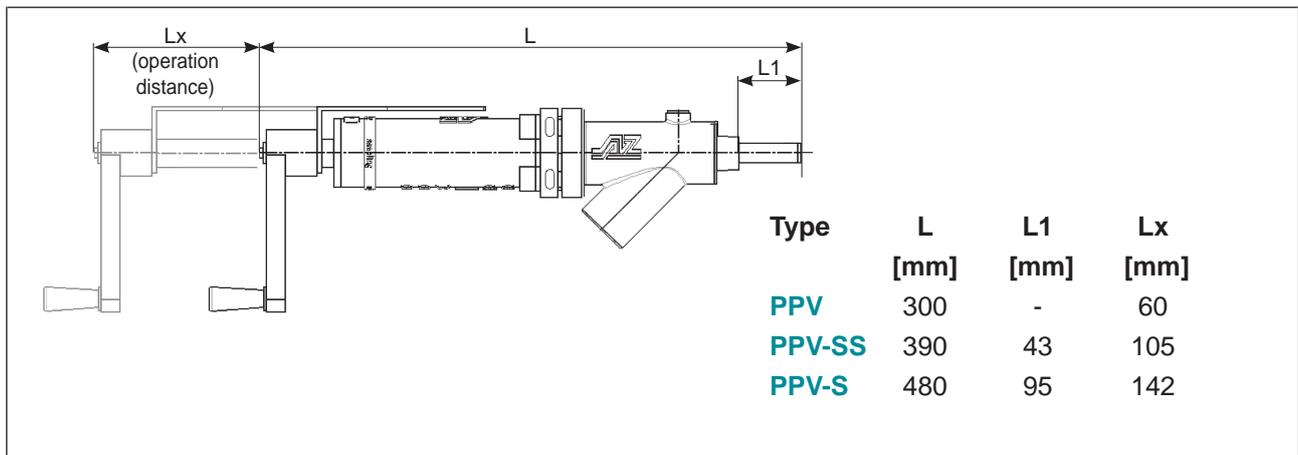


sample drawing



Type PPV

Technical Information



Connection: male thread

- Male thread

Type	NPT
PPV	R 3/4"
PPV-SS	R 3/4"
PPV-S	R 3/4"

other on request

Connection: flange

- Flange

Type	flange sizes
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

- wafer type

	EN 1092-1							ASME B16.5 / B16.10	ASME B16.5 / B16.10							
	DN	PN	øD [mm]	d1 [mm]	d2 [mm]	b [mm]	f [mm]		NPS	Class	øD [mm]	d1 [mm]	d2 [mm]	b [mm]	f [mm]	
	25	10-40	115	69	25	50	2		1	150	110	50.8	25	50		
	40	10-40	150	88	40	50	3			300	125	50.8	25	50	2	
	50	10-40	165	102	65	50	3		1 1/2	150	125	73	40	50		
	65	10-40	185	122	65	50	3			300	155	73	40	50	2	
	80	10-40	200	138	80	50	3		2	150	150	92.1	50	50		
	100	10-16	220	158	100	50	3			300	165	92.1	50	50	2	
	125	10-16	250	188	125	50	3		2 1/2	150	180	104.8	65	50		
		25-40	235	162	100	50	3			300	190	104.8	65	50	2	
	150	10-16	285	212	150	50	3		3	150	190	127	80	50		
		25-40	300	218	150	50	3			300	210	127	80	50	2	
	200	10-16	340	268	200	50	3		4	150	230	157.2	100	50		
		25-40	360/375	278/285	200	50	3			300	255	157.2	100	50	2	
	other sizes on request									5	150	255	185.7	125	50	
											300	280	185.7	125	50	2
											150	280	215.9	150	50	
											300	320	215.9	150	50	2
								8	150	345	269.9	200	50			
									300	380	269.9	200	50	2		

Type PPV

Installation positions / How to order



Order Example

TYPE																					
PPV																					
PPV-SS																					
PPV-S																					
INSTALLATION																					
- standard																					
W horizontal																					
V vertical																					
PRESSURE RATING																					
CL150 CL300																					
PN10 PN16 PN25 PN40																					
STANDARD MATERIALS																					
body Stainless Steel A351 Gr. CF8M 1.4408																					
special materials on request																					
BOTTLE CONNECTION DESIGNS																					
AD Adapter, GL 32/45 PP 25/28																					
NH Needle system, needle 2 / 3 / 4 / 6 mm																					
SFH Clamping bottle holder, GL 32/45 PP 25/28																					
BODY CONNECTION																					
NPT $\frac{3}{4}$ " male thread NPT $\frac{3}{4}$ "																					
FL flange (as requested)																					
DFL double flange																					