



PASVE® BA is a ball-type mounting & service valve for SATRON VL- and VDTL - pressure and differential pressure transmitters and also for Satron HPS hydraulic pressure seals. **PASVE® BA** makes it simple to disconnect the transmitter from the process for checking, changing the transmitter, flushing and calibration without stopping the process. **PASVE® BA** is available in a manually operated type or equipped with a pneumatic actuator.

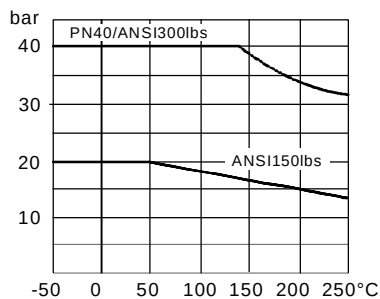
TECHNICAL SPECIFICATIONS

Transmitter connection

M45x2 female thread, suitable for SATRON VL- and VDTL-transmitters and for Satron HPS hydraulic pressure seals.

Max. operating pressure/temperature
Pressure 40 bar, temperature 250 °C,
(see the appended table).
Min. operating temp. -50 °C.

Pressure/Temperature curve



Materials

Wetted parts : AISI316L, AISI904L, Duplex, Hastelloy C276, Titanium, 254 SMO.
Seals: PTFE, PTFE with carbon and graphite filling or PTFE 50%+AISI316 50% mixture

Weight

PASVE BA C 4,3 kg, **PASVE BA P** 4,2 kg,
PASVE BA F 8,4 kg, Actuator 5,5 kg

Selection table

PASVEBA

Mounting

	Wetted parts (C and P)
Code	Material
C On container	2 AISI316L(EN 1.4404) (std.)
P On pipe	3 Hastelloy C (EN 2.4819)
	4 AISI904L (EN 1.4539)
	6 Titanium Ti-2 (EN 3.7035)
	8 Duplex (EN 1.4462)
	K 254 SMO®

F Flange

Flanges		Wetted parts	
Code	Type	Code	Material
D	DN80 PN40	2	AISI316L
J	DN100 PN10/16	3	Hastelloy® C276
C	DN100 PN40	4	AISI904L
A	ANSI 3"/150 lbs	6	Titanium
B	ANSI 3"/300 lbs	8	Duplex (EN 1.4462)
H	ANSI 4"/150 lbs	K	254 SMO®
G	ANSI 4"/300 lbs		

Seals

0	PTFE + 20C + 5Gr (std.)
1	PTFE 100%
4	PTFE + 20C + 5Gr / AISI316 / PTFE 50 % (Hard)
5	PTFE 100% / AISI316 / PTFE 50% (Hard)
6	PTFE 100% / PVDF 100% (Hard)

Pt100 Temperature transmitter

0	No sensor
X	With sensor (-50...+200 °C)

Actuator

MD	No actuator (manually operated)	AE1	Electric actuator 230 V
AD	Double-action actuator	AE3	Electric actuator 115 V
AS	Spring-return actuator	A0	No actuator, fittings to the actuator



Solenoid valve type (for codes AD and AS only)

0	No solenoid valve	4	28 V DC 0.4 W (only EEx ia)
1	230 V AC 50 Hz 2 W (std.)		
2	24 V DC 2.5 W (also EEx dm)		
3	115 V AC 60 Hz 2 W		

Solenoid explosion proof

0	No explosion proof	3	EEx dm IIC T5/T6
1	EEx m II T4		
2	EEx ia IIC T6		

Position switches

0	None	A	Position switch EEx ib IIC T5/T6
X	Equipped with position switches		
E	Position switch NAMUR, DIN 19234		

Options

Z1	Oxygen wash	Z4	Cutting ball
Z2	Process side flushing	Z5	Diamond-coated ball

Dokumentit

E	English	IF	Finnish
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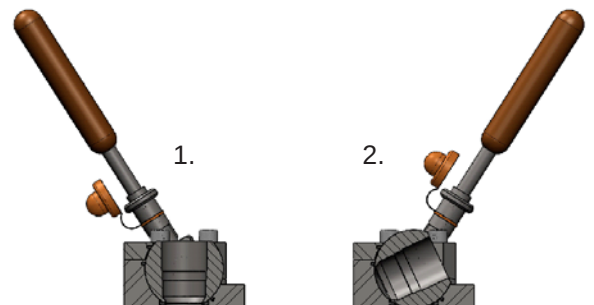
Material certificates

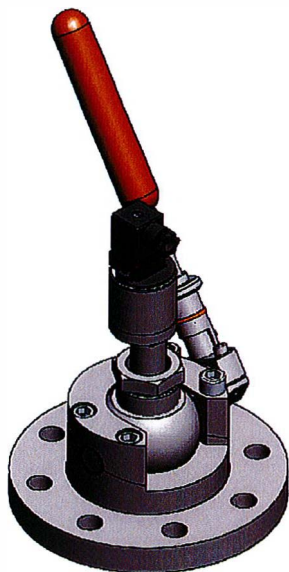
0	No material certificate	MC2	SFS-EN 10204-2.2 (DIN50049-2.2)
MC1	SFS-EN 10204-2.1 (DIN50049-2.1)	MC3	SFS-EN 10204-3.1B (DIN50049-3.1B)

Specification example: **PASVE BA FD200AD10XIEMC1**

WORKING POSITIONS

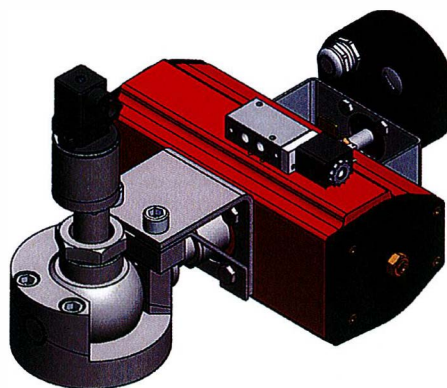
1. Transmitter in measuring
2. Transmitter can be checked, changed, calibrated or the transmitter diaphragm can be flushed





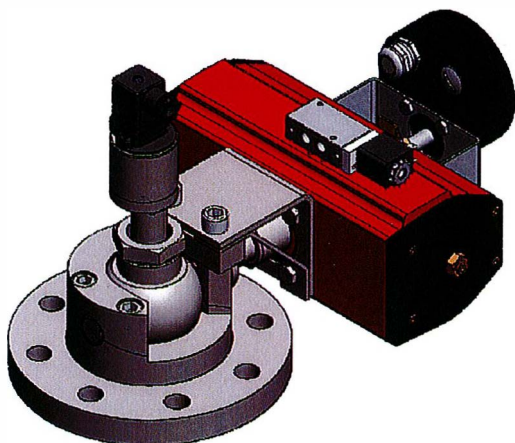
PASVE BAF

- Flange type
- Manually operated (MD)



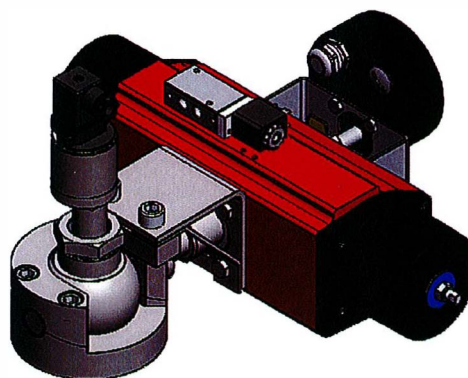
PASVE BAC

- Welded on container
- Double-action actuator (AD)



PASVE BAF

- Flange type
- Double-action actuator (AD)



PASVE BAC

- Flange type
- Spring-return actuator (AS)

Surface temperature

Ambient temperature °C	Temperature class
70	T6
85	T5
120	T4



European Directive Information

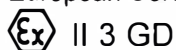
ATEX directive (94/9/EC)

Satron Instruments Inc. complies with the ATEX directive.

European Pressure Equipment Directive (PED) (97/23/EC)

- Sound Engineering Practice

European Certification



We reserve the right for technical modifications without prior notice.

Teflon® is the registered trademark of E.I. du Pont de Nemours & Co.

254 SMO® is the registered trademark of Avesta Polarit AB.

Hastelloy® is the registered trademark of Haynes International.

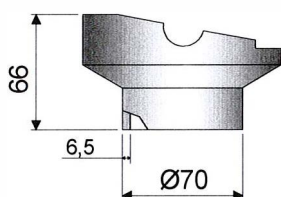
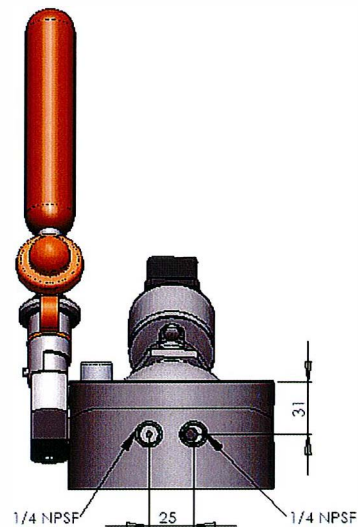
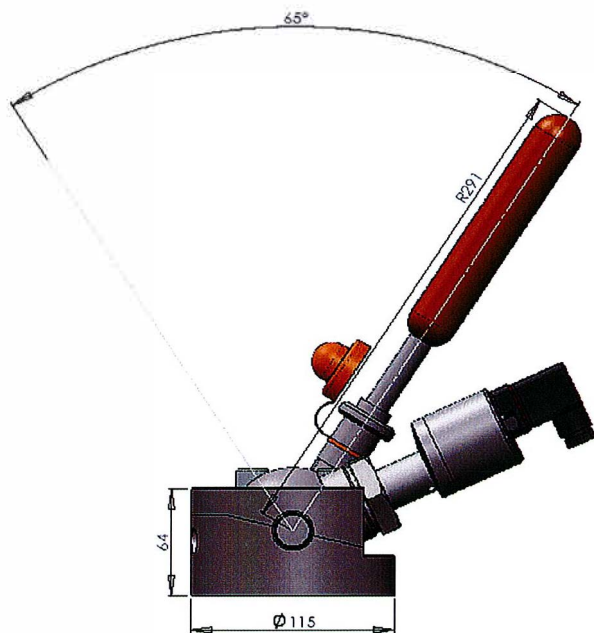
Pasve® is the registered trademark of Satron Instruments Inc.

Dimensions (mm)

Manually operated

PASVEBAC

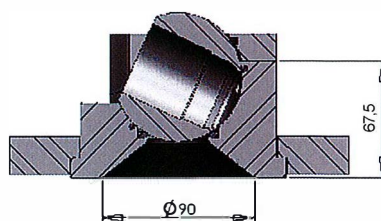
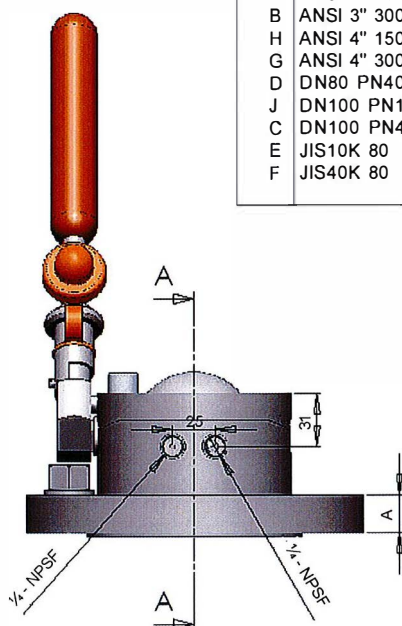
Welded on container



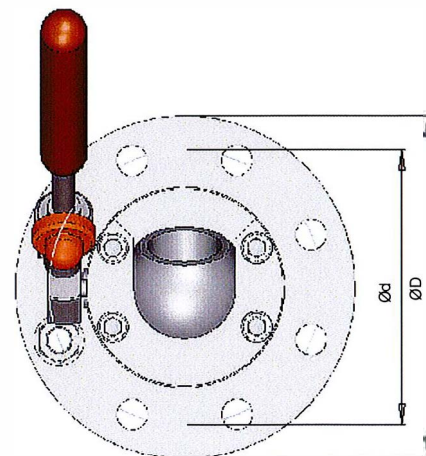
PASVEBAP
Welded on pipe

Flange (a)				
Code	Type	ØD	Ød	A
A	ANSI 3" 150 lbs	191	152.4	22
B	ANSI 3" 300 lbs	210	168.3	27
H	ANSI 4" 150 lbs	229	190.5	26
G	ANSI 4" 300 lbs	254	200	29
D	DN80 PN40	200	160	22
J	DN100 PN10/16	220	180	22
C	DN100 PN40	235	190	26
E	JIS10K 80	185	150	20
F	JIS40K 80	210	170	30

PASVEBAF-(a)
Flange type



SECTION A-A

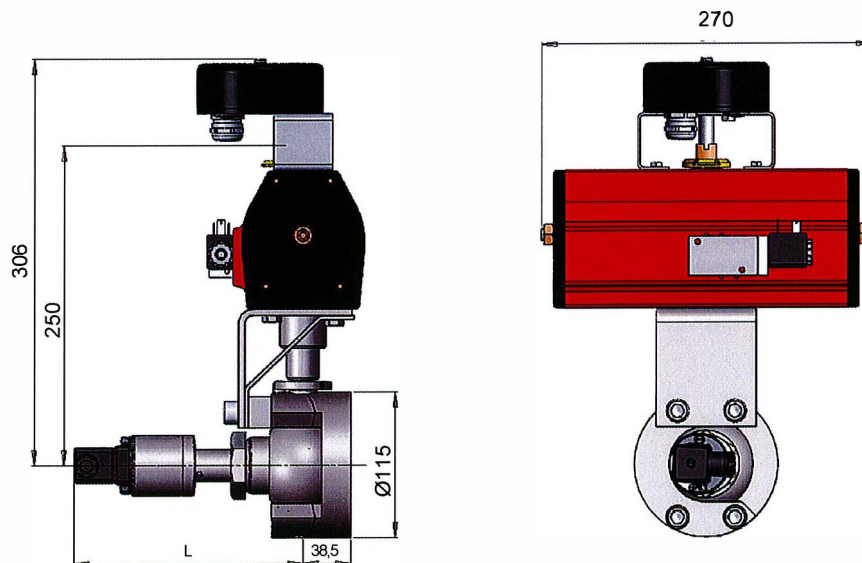


Dimensions (mm)

Automatic operated with actuator

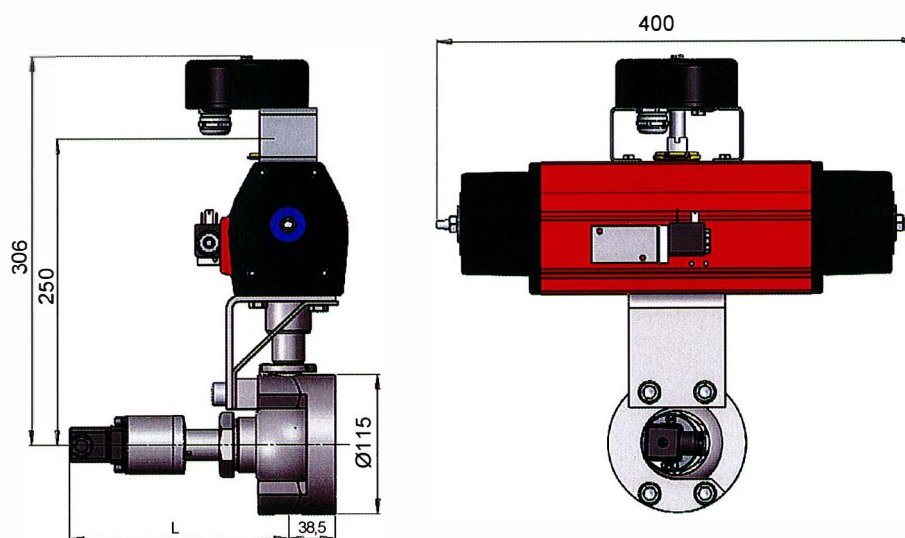
PASVE BAC

- Welded on container
- Double-action actuator (AD)



PASVE BAC

- Welded on container
- Spring-return actuator (AS)



PASVE BAF

- Flange type
- Double-action actuator (AD)

