



GEA Aseptomag valve technology - configuration key

Aseptic shut-off valve AV

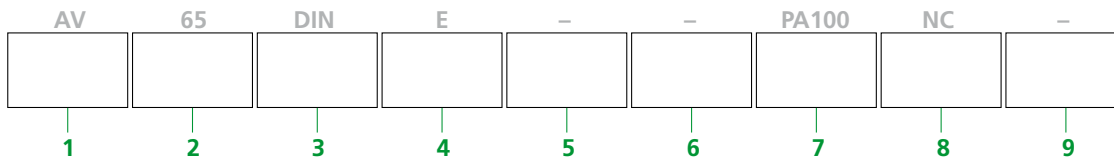
Aseptic bottom-seat valve AVBS

Aseptic shut-off valve AV Aseptic bottom-seat valve AVBS

Closing pressure 5-6 bar by default

Air connections on the actuator for tubes with outer diameter 6mm by default

Ordering example: AV 65 DIN E - - PA100 NC - (Aseptic shut-off valve DN65)



1. Valve type

AV	Aseptic shut-off valve
AVBS	Aseptic bottom-seat valve

2. Valve dimension

	DIN 11850 (standard)	Nominal diameter	10	15	25	40	50	65	80	100	125	150
	Dim. ø x s (mm)		12x1,0	18x1,5	28x1,5	40x1,5	52x1,5	70x2	85x2	104x2	129x2	154x2
	ISO (DIN 11866 B)	Nominal diameter	10	15	25	40	50	65	80	100	125	150
	Dim. ø x s (mm)		17,2x1,6	21,3x1,6	33,7x2	48,3x2	60,3x2	76,1x2	88,9x2,3	114,3x2,6	139,7x2,6	168,3x2,6
	OD (DIN 11866 C)	Nominal diameter	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"		6"
	Dim. ø x s (mm)		12,7x1,65	19,05x1,65	25,4x1,65	38,1x1,65	50,8x1,65	63,5x1,65	76,2x1,65	101,6x2,11		152,4x2,77
	Dim. ø x s (inch)		0.5x0.35	0.75x0.35	1x0.65	1.5x0.65	2x0.65	2.5x0.65	3x0.65	4x0.83		6x0.83

3. Standard connection size

DIN	DIN 11850 (standard)
ISO	DIN 11866 B
OD	DIN 11866 C

4. Connection ports shut-off valve

E	Connection ports execution E - 2 welding connections	
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T	Connection ports execution T - 3 welding connections	
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4.1 Connection ports bottom-seat valve

E BSR T BSR	Bottom-seat valve with pipe connection - Execution E with 2 connection ports - Execution T with 3 connection ports		
		Execution E	Execution T

E BSS T BSS	Bottom-seat valve with welding flange - Execution E with 1 connection port - Execution T with 2 connection ports		
		Execution E	Execution T

E BSO T BSO	Bottom-seat valve with loose flange - Execution E with 1 connection port - Execution T with 2 connection ports (Welding tank flange must be ordered separately)		
		Execution E	Execution T

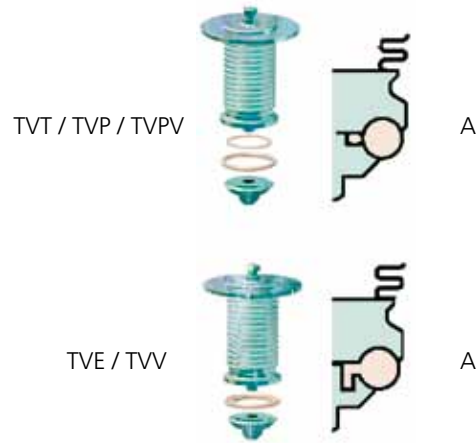
5. Internal assembly

- Seat A: Valve disk with shrunk TEFASEP® valve seat seal



5.1 Valve seat seal options

TVT	Divisible valve disk (seat A) with TEFASEP® valve seat seal
TVP	Divisible valve disk (seat A) with PTFE valve seat seal
TVPV	Divisible valve disk (seat A) with valve seat seal made of PTFE reinforced
TVE	Divisible valve disk (seat A) with EPDM valve seat seal
TVV	Divisible valve disk (seat A) with Viton® valve seat seal



6. Special valve stroke

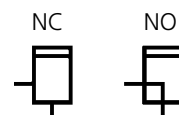
-	Standard stroke (from DN80: stroke = 25mm)
H8	for NW15 (4 mm by default)
H10	for NW25 (6 mm by default)
H12.5	for NW40 (10 mm by default)
H25	for NW50 and NW65 (16 mm by default)

7. Actuator type

PA ...	Pneumatic actuator (standard)	Pipe-Ø (OD)	1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	
PA...AZ	Pneumatic actuator with seat lifting function	Pipe-Ø (DIN)	10	15	25	40	50	65	80	100	125	150
H	Manual actuator	PA	60	60	80	80	100	100	135	180	255	255

8. Actuation

NC	normally closed, spring-closing (standard)
NO	normally open, spring-opening
LL	air-opening / air-closing



9. Option 3A

3A	Valve 3A approved
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10.

Options

Parts in contact with medium

- Electropolishing
- Surface roughness < Ra 0,8 µm
- Special material
- Mixed connection ports (specify all dimensions)

Monitoring of the internal assembly

- Steam barrier DS
- Bellow monitoring BW

Pneumatic actuator

- Increased closing pressure (specify pressure)
- Air connections for OD tubing 1/4"

Valve accessories

- Welding tank flange for bottom-seat valve BSO
- Open feedback unit M8 (without proximity switches)
- Open feedback unit M12 (without proximity switches)
- Adjusting drive without feedback
- Adjusting drive with feedback
- Stroke limiter
- Binder with valve description

Certification

- Inspection certificate 3.1
- Certificate for surface roughness
- Certificate for delta ferrite
- Certificate for FDA conformity of seals in contact with medium

Spare parts

Spare parts for aseptic shut-off and bottom-seat valves are listed in the mounting / dismantling manual and also on the customer drawing.

Customer specific design

If you can not find your valve configuration in our standard, please contact us. We would like to discuss this with you.

Feedback units

Please see therefore the configuration keys "valve accessories".




Repairs

We are able to repair damaged valve components. Our workshop is well equipped.

Would you like to place an order or do you want a quotation first?

- Order
- Quotation

How you can contact us:

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