Aseptomag® Valve Technology – Order Code

Aseptic Shut-Off Bottom-Seat Valve AVBS

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Position	Description of the order code			
1	**Valve type**			
	AV	Aseptic Shut-Off Valve		
2	**Nominal width**[*1]			
	DN 15	OD ¾"	ISO 17.2	
	DN 25	OD 1"	ISO 21.3	
	DN 40	OD 1 ½"	ISO 26.9	
	DN 50	OD 2"	ISO 33.7	
	DN 65	OD 2 ½"	ISO 42.4	
	DN 80	OD 3"	ISO 48.3	
	DN 100	OD 4"	ISO 60.3	
	DN 125	OD 6"	ISO 76.1	
	DN 150		ISO 88.9	
			ISO 114.3	
			ISO 139.7	
3	**Housing combination**			
	E BSO[*2]	T BSO[*2]	E BSS	T BSS
				
	E BSR	T BSR		
				
4	**Hermetic sealing**			
	KLF	Stainless steel bellow (standard)		
	PTFE	PTFE bellow		
5	**Bellow execution (only applicable for KLF option)**			
	–	Standard		
	3FW[*3]	Reinforced		
6	**Valve seat sealing (only applicable for KLF option)**			
	T	Shrunk-on, TEFASEP® (standard)		▸ See Fig. 1
	PV[*4]	Shrunk-on, PTFE reinforced (o-ring)		▸ See Fig. 1
	TVT	Divisble, TEFASEP®		▸ See Fig. 2
	TVPV[*4]	Divisible, PTFE reinforced (molded seal)		▸ See Fig. 3
	TVE[*5]	Divisible, EPDM (molded seal)		▸ See Fig. 3
7	**Housing seal (o-ring)**			
	S	Silicone (standard)		
	E	EPDM		
	F	FEP		

Fig. 1

Fig. 2

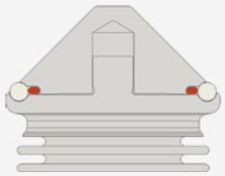
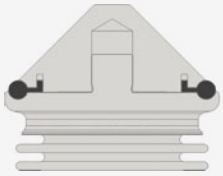


Fig. 3



[*1] ISO and other pipe connection standards upon request
[*2] Welded flange not part of the valve, must be ordered separately
[*3] For applications with high static pressures and / or vibrations
[*4] For applications without sterilization cycles resp. with sterilization temperatures < 100 °C
[*5] Housing seal made of EPDM by default

8	**Valve stroke**[*6]						
	DN 15 / OD ¾"	DN 25 / OD 1"	DN 40 / OD 1 ½"	DN 50 / OD 2"	DN 65 / OD 2 ½"	DN 80–100 / OD 3"–4"	DN 125–150 / OD 6"
	H4 (4 mm)	**H6 (6 mm)**	**H10 (10 mm)**	**H16 (16 mm)**	**H16 (16 mm)**	**H25 (25 mm)**	**H35 (35 mm)**
	H6 (6 mm)	H10 (10 mm)	H12,5 (12,5 mm)	H25 (25 mm)	H25 (25 mm)	–	–
9	**Type of actuation**[*7]						
	PA NC	Pneumatic actuator, normally close NC (spring closing / air opening)					
	PA NO	Pneumatic actuator, normally open NO (spring opening / air closing)					
	PA AZ	Pneumatic actuator NC with additional seat lift (spring closing / air opening)					
	H	Manual drive with crank handle (without specific fail-safe position)					
10	**Valve execution**						
	–	Valve according to EHEDG design guidelines (standard)					
	3A[*8]	Valve according to 3-A design guidelines					

The code is composed as follows, depending on the chosen configuration:

Position	1		2		3		4	5	6	7		8		9		10
Code	AV	–		–		–					–		–		–	

Certificates and customized solutions available upon request.

[*6] Standard in bold face (an extended stroke reduces the number of actuation cycles of the bellow compared to the standard stroke)
[*7] Actuator rating for closing pressures up to 5–6 bar by default, higher closing pressures available upon request
[*8] Not applicable in combination with reinforced bellow (3FW)

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