Aseptomag® Valve Technology – Order Code

Aseptic Double Chamber Bottom-Seat Valve DKBS

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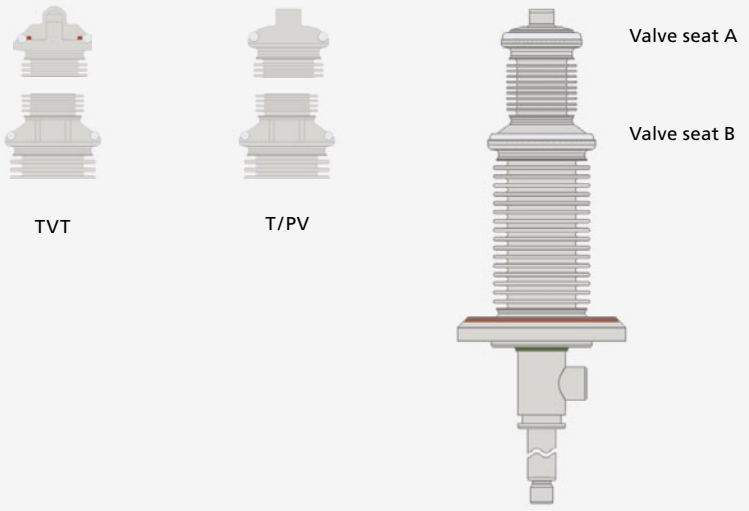
Position	Description of the order code		
1	**Valve type**		
	DK	Aseptic Double-Chamber Valve	
2	**Nominal width**[*1]		
	DN 25	OD 1"	ISO 26.9
	DN 40	OD 1 ½"	ISO 33.7
	DN 50	OD 2"	ISO 42.4
	DN 65	OD 2 ½"	ISO 48.3
	DN 80	OD 3"	ISO 60.3
	DN 100	OD 4"	ISO 76.1
	DN 125	OD 6"	ISO 88.9
	DN 150		ISO 114.3
			ISO 139.7
3	**Housing combination**		
	E BSO[*2]	T BSO[*2]	E BSS
			
	T BSS	E/E BSR	E/T BSR
			
	T/E BSR	T/T BSR	
			
4	**Hermetic sealing**		
	KLF	Stainless steel bellow	
5	**Stainless steel bellow execution**		
	–	Standard	
	3FW[*3]	Reinforced	
6	**Valve seat sealing (valve seat A / valve seat B)**		▸ See Fig. 1
	T	Shrunk-on, TEFASEP® / shrunk-on, TEFASEP® (standard)	
	PV[*4]	Shrunk-on, PTFE reinforced (o-ring) / shrunk-on, PTFE reinforced (o-ring)	
	TVT	Divisble, TEFASEP® / shrunk-on, TEFASEP®	
7	**Housing seal (o-ring)**		
	S	Silicone (standard)	
	E	EPDM	
	F	FEP	
8	**Type of actuation**[*5]		
	PA NC	Pneumatic actuator, without seat lift, normally close NC (spring closing / air opening)	
	PA AZ	Pneumatic actuator NC, seat lift seat A (spring closing / air opening)	
	PA EA	Pneumatic actuator NC, seat lift seat A + B (spring closing / air opening) (standard)	

Fig. 1

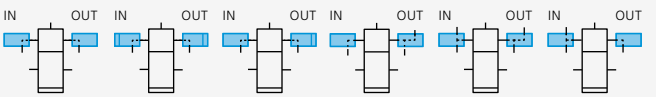


[*1] ISO and other pipe connection standards upon request
[*2] Welded flange not part of the valve, must be ordered separately
[*3] Big stainless steel bellow reinforced, for applications with high static pressures and / or vibrations
[*4] For applications without sterilization cycles resp. with sterilization temperatures < 100 °C
[*5] Actuator rating for closing pressures up to 5–6 bar by default, higher closing pressures available upon request

9	**Side valve configuration**[*6]		
	–	Hygienic shut-off valve, both sides (standard)	See Fig. 2
	1	Aseptic shut-off valve with stainless steel bellow, both sides	See Fig. 3
	2	Aseptic shut-off valve with PTFE bellow, both sides	See Fig. 3
	3	Hygienic shut-off valve (inlet), aseptic shut-off valve with stainless steel bellow (outlet)	See Fig. 4
	4	Hygienic shut-off valve (inlet), aseptic shut-off valve with PTFE bellow (outlet)	See Fig. 4
	5[*7]	Hygienic shut-off valve (inlet), hygienic divert valve E/E (outlet)	See Fig. 5
	6[*7]	Hygienic shut-off valve T (inlet), hygienic divert valve E/E (outlet)	See Fig. 6
	7	Hygienic shut-off valve T (inlet), hygienic shut-off valve (outlet)	See Fig. 7
10	**Fail-safe position side valves (inlet valve / outlet valve)**		
	1	NO / NC	See Fig. 8
	2	NO / NO	See Fig. 9
	3	NC / NO	See Fig. 10
	4	NC / NC	See Fig. 11
11	**Side valve options**		
	0	Without additional option	
	2	Outlet valve with integrated temperature probe with measuring transducer (4–20 mA / 0–200 °C)	See Fig. 12
	6	Outlet valve with integrated temperature probe without measuring transducer (PT100)	See Fig. 12
12	**Valve execution**		
	–	Valve according to EHEDG design guidelines (standard)	
	3A[*8]	Valve according to 3-A design guidelines	

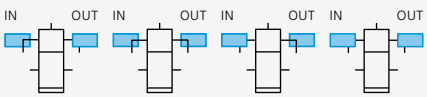
Position 10

Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7



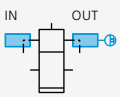
Position 11

Fig. 8 Fig. 9 Fig. 10 Fig. 11



Position 12

Fig. 12



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

Position	1	2	3	4	5	6	7	8	9	10	11	12
Schlüssel	DK	–	–	KLF				–	–			–

Certificates and customized solutions available upon request.

[*6] Inlet and outlet DN 15 / OD ¾" (DN 25 / OD 1"); inlet DN 15 / OD ¾", outlet DN 25 / OD 1" (DN 40–100 / OD 1½"–4"); inlet and outlet DN 25 / OD 1" (DN 125–150 / OD 6"); housing configuration E, where not noted otherwise
[*7] With this configuration, the temperature probe is integrated in the inlet valve (opposite to what is shown in Fig. 12)
[*8] Inlet and outlet DN 15 / OD ¾" (DN 25 / OD 1"); inlet and outlet DN 25 / OD 1" (DN 40–150 / OD 1½"–6"); not applicable in combination with reinforced bellow (3FW)

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