

Three-Way Valve



ARTES Valve & Service GmbH
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Germany

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	Standardkessel Baumgarte GmbH	ARTES-Ref.:	5504713		
2	Plant:	Infraserv	Pos.:	1		
3	Service:	3-Wege Armatur	Qty.:	2		
4	TAG No.:	K7/K8 HAH40 AA010	S/N:	3181509.1 & 3181509.2		
5	Pipeline		Connection 1	Connection 2	Connection 3	
6	Dimensions	Ø D [mm] x s [mm]	273 x 17,5	273 x 17,5	219,1 x 14,2	
7	Material		---	---	---	
8	Weld ends	Ø D [mm] x s [mm]	273 x 17,5	273 x 17,5	219,1 x 14,2	
9	Flange ends		---	---	---	
10	Valve Design		Connection 1	Connection 2	Connection 3	
11	Nom. pipe size	DN / NPS	250	250	200	
12	Nom. pressure	PN / class	---	---	---	
13	Design Pressure	[bar(g)]	135	135	135	
14	Design Temp.	[°C]	535	535	535	
15	Material		1.4903	1.4903	1.4903	
16	Hydraulic Test Pressure		272,0 bar			
17	Operational conditions	max. Lastfall	Load Case	Load Case	Load Case	Load Case
18	Medium:	Dampf	C → A	B → A		
19	Flow	[t/h]	200	150		
20	Temperature	[°C]	535	535		
21	p inlet	[bar(g)]	135,00	135,00		
22	p outlet	[bar(g)]	134,80	134,80		
23	Kvs value	[m³/h]	2.235,50	1.676,10		
24						
25						
26	Valve type	DWA-W (Mischarmatur)				
27	Material:		Valve Parameters			
28			Ø seat 250 mm Kvs Value: max. 2945 m³/h delta p actuator 3 bar			
29	Body:	1.4903				
30	Stem:	1.4923				
31	Plug:	1.4922				
32						
33	Gaskets:	Grafit	Control characteristic: linear Dimensions: ca. 940 ±10 mm ca. 520 ±10 mm			
34						
35						
36						
37	Design & Tests acc. to:	Pressure Equipment Directive 2014/68/EU Requirements acc. to: EN 12952 Leakage: 1,5% of Kvs-value Factory Acceptance Test Certificate acc. to EN 10204-3.2				
38						
39						
40						
41	Installation requirements:					
42						
43	Actuator type:	elektrisch				3181340
44	Model:	DREHMO DiM 120-B3-50 (Auf/Zu) mit Schwenkgetriebe GS100.3 und Antriebssteuerung "i-matic"				
45		Nennspannung: 400 VAC / 50Hz / 3ph, Stellzeit: 38 sek/90°				
46		Anschlussplan: iMC00X-XX-D5-XBA/1 (Spezifikation "Infraserv Höchst")				
47		elektr. Ausführung: iMC003-A1-H5-JBA/1 (Spezifikation "Infraserv Höchst")				
48	Actuator adaption:	gemäß ISO 5211				
49	Remarks:					
50		Gewicht				
51		Armatur $m_v = ca. 925 \text{ kg}$ / Antriebseinheit $m_A = ca. 75 \text{ kg}$				
52		Gesamtgewicht $m_g = ca. 1000 \text{ kg}$				
53						
54	Revision:	0	1	2	3	4
55	Date:	11.05.2023	13.06.2023	10.11.2023		
56	Prepared:	H. Roßmann	P. Schüler	P. Schüler		
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