

Three-Way Valve



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
Germany

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	Richard Kablitz GmbH	ARTES-Ref.:	5504542		
2	Plant:	HKW Heilbronn	Pos.:	3		
3	Service:	3-Wege-Regelarmatur	Qty.:	1		
4	TAG No.:		S/N:	3176498.1		
5	Pipeline		Connection 1	Connection 2	Connection 3	
6	Dimensions	Ø D [mm] x s [mm]	76,1 x 3.6	76,1 x 3.6	76,1 x 3.6	
7	Material		1.5415	1.5415	1.5415	
8	Weld ends	Ø D [mm] x s [mm]	76,1 x 3.6	76,1 x 3.6	76,1 x 3.6	
9	Flange ends		--	--	--	
10	Valve Design		Connection 1	Connection 2	Connection 3	
11	Nom. pipe size	DN / NPS	65	65	65	
12	Nom. pressure	PN / class	-	-	-	
13	Design Pressure	[bar(g)]	90	90	90	
14	Design Temp.	[°C]	125	125	125	
15	Material		1.5415	1.5415	1.5415	
16	Hydraulic Test Pressure					
17	Operational conditions	Load Case	Load Case	Load Case	Load Case	Load Case
18	Medium:	1	2	3	4	5
19	Flow	[t/h]	3,75	11,25	11,25	15,625
20	Temperature	[°C]	120	120	120	120
21	p inlet	[bar(g)]	19,67	19,67	28,1	28,1
22	p outlet	[bar(g)]	19,47	19,47	27,80	27,9
23	Kvs value	[m³/h]	8,63	25,90	21,14	15,63
24						
25	Geschwindigkeit	[m/s]	0,3	0,89	0,89	1,23
26	Valve type	DWA-GW Verteiler				
27	Material:		Valve Parameters			
28			Ø seat 65 mm			
29	Body:	1.5415	Kvs Value: max. 200 m³/h			
30	Stem:	1.4122	delta p actuator 2 bar			
31	Plug:	1.4122	Control characteristic: linear			
32			Dimensions: 300,0 mm			
33	Gaskets:	EPDM perox. vern.	150,0 mm			
34						
35						
36						
37	Design & Tests acc. to:	Pressure Equipment Directive 2014/68/EU				
38		Requirements acc. to: EN 12952				
39		Leakage: 1,5% of Kvs-value				
40		Factory Acceptance Test Certificate acc. to EN 10204-3.1				
41	Installation requirements:					
42						
43	Actuator type:	Elektrisch				3176500
44	Model:	AUMA SAR07.6 & GS63.3 & AC01.2				
45		400VAC/50Hz/3-ph ; Profinet				
46		ca. 30-35sec/90°				
47		Anschlussplan: TPA 00R100-011-000 / TPC AN000N1A2-A000				
48	Actuator adaption:	gem. ISO 5211, F12 - VK17 mm				
49	Remarks:					
50	Abmessungen für Rohrleitung sind angenommen. Bitte prüfen!!!					
51						
52						
53						
54	Revision:	0	1	2	3	4
55	Date:	16.03.2022				
56	Prepared:	H. Roßmann				
57	Checked:	H. Jäkel				