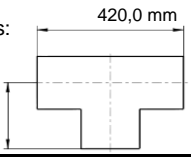


Three-Way Valve



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
Germany

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	SMS Group GmbH	ARTES-Ref.:	5504991	
2	Plant:		Pos.:	1	
3	Service:		Qty.:	1	
4	TAG No.:		S/N:	3184161.2	
5	Pipeline		Connection 1	Connection 2	Connection 3
6	Dimensions	Ø D [mm] x s [mm]	168,3 x 4,5	168,3 x 4,5	168,3 x 4,5
7	Material				
8	Weld ends	Ø D [mm] x s [mm]	--	--	--
9	Flange ends		ASME B16.5/RF	ASME B16.5/RF	ASME B16.5/RF
10	Valve Design		Connection 1	Connection 2	Connection 3
11	Nom. pipe size	DN / NPS	6"	6"	6"
12	Nom. pressure	PN / class	150	150	150
13	Design Pressure	[bar(g)]	10	10	10
14	Design Temp.	[°C]	80	80	80
15	Material		SA105	SA105	SA105
16	Hydraulic Test Pressure				
17	Operational conditions		Load Case	Load Case	Load Case
18	Medium:	Wasser	1	2	3
19	Flow	[m³/h]	160	160	
20	Temperature	[°C]	80	80	
21	p inlet	[bar(a)]	9,0	9,00	
22	p outlet	[bar(a)]	8,0	8,75	
23	Kvs value	[m³/h]	164,0	400,00	
24	Strömungsgeschw	[m/s]	2,23	--	
25					
26	Valve type DWA-GW (Distributor)				
27	Material:		Valve Parameters		
28					
29	Body:	SA105	Ø seat	100	mm
30	Stem:	1.4122	Kvs Value:	max 400	m³/h
31	Plug:	1.4122	delta p actuator	3	bar
32			Control characteristic:	Dimensions: 	
33	Gaskets:	O-Ringe, EPDM perox.	linear		
34					
35					
36					
37	Design & Tests acc. to:		ASME BPVC Sec.VIII, Div.1		
38			Requirements acc. to: ASME BPVC Sec.VIII, Div.1		
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:	pneumatic	3184163		
44	Model:	ProtACT PR263S.PRH, single-acting "rack&pinion", air to open, spring to close, signal/air failure: close			
45		Positioner: Siemens Sipart PS2 6DR5310-0NG01-0AA0			
46		ly-module 6DR4004-8J for position feedback (4...20mA), Filter/Regulator: YT-200BP210 - 1/4"			
47		min. air supply: 6bar(g)			
48	Actuator adaption:	acc. ISO 5211			
49	Remarks:				
50	- Connection 1 always open, Connection 2 & 3 controlled				
51	- Signal/Air Failure: Connection 3 closed				
52					
53					
54	Revision:	0	1	2	3
55	Date:	08.07.2024			
56	Prepared:	H. Roßmann			
57	Checked:	T. Khallouf			