

Three-Way Valve



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
GERMANY

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	Oschatz Energy and Environment GmbH	ARTES-Ref.	5503354		
2	Plant:	TKIS Pulawy	Pos.	1		
3	Service:		Qty.:	1		
4	TAG No.	Y215164	S/N:	3141060.1		
5	Pipeline		Connection A	Connection B	Connection C	
6	Dimensions	Ø D x s [mm]	219,1 x 16,0	219,1 x 16,0	219,1 x 16,0	
7	Material		1.7380	1.7380	1.7380	
8	Weld ends	Ø D x s [mm]	219,1 x 16,0	219,1 x 16,0	219,1 x 16,0	
9	Flange ends		--	--	--	
10	Valve Design		Connection A	Connection B	Connection C	
11	Nom. pipe size	[DN / NPS]	8"	8"	8"	
12	Nom. pressure	[PN / class]	--	--	--	
13	Design Pressure	[bar(g)]	57	57	57	
14	Design Temp.	[°C]	545	545	545	
15	Material		1.7380	1.7380	1.7380	
16	Hydraulic Test Pressure		118,0 bar			
17	Operational conditions		Load Case	Load Case	Load Case	Load Case
18	Medium		1	2	3	5
19	Flow	[t/h]	51,0			
20	Temperature	[°C]	505			
21	Pressure Inlet	[bar(g)]	48,0			
22	Pressure Outlet	[bar(g)]	47,88			
23	K _{VS} value	[m³/h]	1445			
24	Leakage flow	[t/h]	1,53 - 2,55			
25						
26	Valve type Type W					
27	Material:			Valve Parameters		
28						
29	Body:	1.7380		Ø seat	175	mm
30	Stem:	1.4923		Kvs Value:	1.445	m³/h
31	Plug:	1.7380		max. Δp actuator	1	bar
32				Control characteristic:	linear	
33	Gaskets:	Graphite		Dimensions	720,0 mm	
34						
35						
36						
37	Design & Tests acc. to:		PED 2014/68/EU, CE-marking, Certificate EN ISO 10204			
38			Requirements acc. to:		EN12952	
39			Leakage:		3...5% of Kvs	
40	Installation requirements:					
41						
42	Actuator type:	manual				3141078
43	Model:	AUMA gearbox GS80.3..53.1 + hand wheel 400mm, high-temp version 0...120°C				
44		with mechanical limit stops, with position indicator				
45						
46						
47						
48	Remarks:					
49	Inlet A always open, Outlet B & Outlet C controlled					
50	with position indicator at valve stem					
51	valve equipped with mechanical end stops					
52	valve design based on 220.000 hours operational lifetime					
53	Revision:	0	1	2	3	4
54	Date:	14.02.2018	25.05.2018	07.06.2018		
55	Prepared:	S. Haftenberger	S. Haftenberger	P. Schüler		
56	Checked:	H. Jäkel	P. Schüler	S. Haftenberger		