

Three-Way Valve



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
GERMANY

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	Standardkessel Baumgarte GmbH	ARTES-Ref.:	5504765				
2	Plant:	Biomasseheizkraftwerk Hannover Stöcken	Pos.:	2090				
3	Service:	3 Wegeventil Zwischenkühlkreis	Qty.:	1				
4	TAG No.:	1 PGA30 AA001	S/N:	3182976.1				
5	Pipeline		Connection 1	Connection 2	Connection 3			
6	Dimensions	Ø D [mm] x s [mm]	355,6 x 8	355,6 x 8	355,6 x 8			
7	Material		P235GH-TC1	P235GH-TC1	P235GH-TC1			
8	Weld ends	Ø D [mm] x s [mm]	355,6 x 8	355,6 x 8	355,6 x 8			
9	Flanschenden		--	--	--			
10	Valve Design		Connection 1	Connection 2	Connection 3			
11	Nom. pipe size	DN / NPS	350	350	350			
12	Nom. pressure	PN / class	--	--	--			
13	Design Pressure	bar(g)	10	10	10			
14	Design Temp.	°C	120	120	120			
15	Material		1.0460	1.0460	1.0460			
16								
17	Operational conditions		1	2	3	4		
18	Medium:	Water	max					
19	Flow	t/h	878,00					
20	Temperature	°C	47					
21	p inlet	bar(a)	6,10					
22	p outlet	bar(a)	5,30					
23	Kvs value	m³/h	1.134,50					
24	Strömungsgeschw. Austritt	m/s	2,72					
25	Schalldruckpegel	dB(A)	≤ 80					
26	Valve type		Verteiler					
27	Material:		Valve Parameters					
28								
29	Body:	1.0460			Ø seat		175	mm
30	Stem:	1.4122			Kvs Value:		max. 1300	m³/h
31	Plug:	1.0460			delta p für Antr.		2	bar
32					Control characteristic:		linear	
33	Gaskets:	O-Ringe, EPDM perox.			Dimensions:		760,0 mm	
34					380,0 mm			
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				3183174		
44	Model:	auma SQR10.2 & AC01.2						
45		U 400V / 50 Hz/ 3ph; IP68; Betriebsart S4-25%ED						
46		Spezifikation "Hannover Stöcken"						
47		TPCA-1B1-1H2-A000 TPA00R100-0I1-000						
48		Stellzeit: ≤ 60 sec / 90°; Temperatursführung -10 ... +70°C						
49	Remarks:							
50								
51								
52								
53	Prüfdruck in der Anlage: $p_A \hat{=} 15 \text{ bar}(\ddot{u})$							
54	Revision:	0	1	2	3	4		
55	Date:	11.08.2023						
56	Prepared:	H. Roßmann						
57	Checked:	H. Jäkel						