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.:	2030	
3	Service:	3 Wegeventil Nebenkondensat			Qty.:	1	
4	TAG No.:	1 LCM30 AA001			S/N:	3182979.1	
5	**Pipeline**			**Connection 1**	**Connection 2**	**Connection 3**	
6	Dimensions	Ø D [mm] x s [mm]		60,3 x 3,2	60,3 x 3,2	60,3 x 3,2	
7	Material			P235GH-TC1	P235GH-TC1	P235GH-TC1	
8	Weld ends	Ø D [mm] x s [mm]		60,3 x 3,2	60,3 x 3,2	60,3 x 3,2	
9	Flanschenden			--	--	--	
10	**Valve Design**			**Connection 1**	**Connection 2**	**Connection 3**	
11	Nom. pipe size	DN / NPS		50	50	50	
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	5
18	Medium:	Water	max				
19	Flow	*t/h*	25,00				
20	Temperature	*°C*	95				
21	p inlet	*bar(a)*	8,00				
22	p outlet	*bar(a)*	7,50				
23	Kvs value	*m³/h*	36,04				
24	Strömungsgeschw. Austritt	*m/s*	3,16				
25	Schalldruckpegel	*dB(A)*	≤80				
26	**Valve type**		**Verteiler**				
27	**Material:**				**Valve Parameters**		
28							
29	Body:	1.0460			Ø seat	65	mm
30	Stem:	1.4122			Kvs Value:	max. 195	m³/h
31	Plug:	1.0460			delta p für Antr.	2	bar
32					Control characteristic:	Dimensions:	284,0 mm
33	Gaskets:	O-Ringe,					
34		EPDM perox.			linear		
35						142,0 mm	
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					3183173
44	Model:	auma SQR07.2 & 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°; Temperaturausführung -10 ... +70°C					
49	**Remarks:**						
50							
51							
52							
53	Prüfdruck in der Anlage: $p_A' = 12$ *bar(ü)*						
54	Revision:	0	1	2	3	4	5
55	Date:	11.08.2023					
56	Prepared:	H. Roßmann					
57	Checked:	H. Jäkel