

Control Valve



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
GERMANY

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	Steinmüller Babcock Environment GmbH	ARTES-ref.-no.:	5504173			
2	Plant:	Vantaa - Project: FBE-22-1518	Pos.:	10			
3	Location:	CV minimum flow main condensate pump 1+2	Qty.:	1			
4	TAG No.:	J4 NAB26 AA010	S/N:	3166214.1			
5	Pipe - Connection Data		Inlet		Outlet		
6	Dimensions	Ø D [mm] x s [mm]	76,1	x	3,6	76,1	x 3,6
7	Material		1.0345 (P235GH)			1.0345 (P235GH)	
8	Schweißanschluss	Ø D [mm] x s [mm]	76,1	x	3,6	76,1	x 3,6
9	Flange Connection		--			--	
10	Valve - Design		Inlet		Outlet		
11	Nominal Size	DN / NPS	65			65	
12	Nominal Pressure	PN / class	--			--	
13	Design Pressure	bar(g)	30			30	
14	Design Temperature	°C	221			221	
15	Material		1.0460 (P250GH, C22.8)			1.0460 (P250GH, C22.8)	
16	Operation Data		Loading Case	Loading Case	Loading Case	Loading Case	Loading Case
17	Medium	Nr.1 Water/Steam	1	2	3	4	5
18	Phase		water	water			
19	Flowrate	kg/s	6,33	7,44			
20	Temperature, Inlet	°C	52,00	105,00			
21	Pressure, Inlet	barG	2,80	3,40			
22	Pressure, Outlet	barG	1,50	2,10			
23	kv	m³/h	20,8	25,2			
24	Flow Speed, Outlet	m/s	1,72	2,09			
25	Sound Pressure Level	dB(A)	62	63			
26	Type Of Valve Control Ball Valve Type W						
27	Valve Parameter			Material			
28	Seat Diameter:	40	mm	Body:	1.0460 (P250GH, C22.8)		
29	Pressure Reduction Steps, controlled:	1		Seating:	1.4122 (X39CrMo17-1), hard./coat.		
30	Pressure Reduction Steps, fix:			Ball:	1.4122 (X39CrMo17-1), hard./coat.		
31	kvs	33,0	m³/h	Control disc:	1.4122 (X39CrMo17-1), hardened		
32	Control Characteristic:	linear		Seals:	Graphite		
33	max. Dp für Actuator:	5	bar				
34	Installation Length:	290	mm				
35							
36	Design / Inspection					Final Inspection Confirmation	
37	Pressure Equipment Directive 2014/68/EU					3.1	
38	Requirements acc. to: EN 12952					acc. to DIN EN 10204	
39	Leakage Class: 0,01% of Kvs-Value						
40							
41	Actuator	electric					3166433
42	Type:	auma SAR 07.6 with GS63.3 and AC01.2					
43		U = 400V / 50Hz / 3ph					
44		terminal plan: TPA 00R100-011-000, TPC A-1B2-1H2-A000					
45		positioning time: 24 sec. / 90°					
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47	Actuatoradaption:	EN ISO 5211 - F10 - square 17 mm					
48	Remarks						
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54	Revision	0	1	2	3	4	5
55	Date:	08.03.2021	18.06.2021				
56	Prepared:	H. Roßmann	P. Schüler				
57	Checked:	H. Jäkel	R. Feldmann				