

Control Valve



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
GERMANY

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	Richard Kablitz GmbH	ARTES-ref.-no.:		5504246		
2	Plant:	Bihov	Pos.:		1		
3	Location:	start-up control valve	Qty.:		1		
4	TAG No.:	1 LBH10 AA010	S/N:		3168063.1		
5	Pipe - Connection Data		Inlet			Outlet	
6	Dimensions	ØD [mm] x s [mm]	101,6	x	11,0	273,0	x 6,3
7	Material			
8	Welding Connection	ØD [mm] x s [mm]	101,6	x	11,0	273,0	x 6,3
9	Flange Connection		--		--		
10	Valve - Design		Inlet			Outlet	
11	Nominal Size	DN / NPS	80			250	
12	Nominal Pressure	PN / class	--			--	
13	Design Pressure	bar(g)	102			16	
14	Design Temperature	°C	515			515	
15	Material		1.7380/1.7383 (10CrMo9-10/11CrMo9-10))			1.7380/1.7383 (10CrMo9-10/11CrMo9-10))	
16	Operation Data		Loading Case	Loading Case	Loading Case	Loading Case	Loading Case
17	Medium :	Water/Steam	1	2	3	4	5
18	Phase		steam	steam	steam		
19	Flowrate	t/h	2,00	18,40	15,40		
20	Temperature, Inlet	°C	194,00	353,00	495,00		
21	Pressure, Inlet	barG	4,00	28,00	87,00		
22	Pressure, Outlet	barG	0,00	3,00	6,00		
23	Σ-kv	m³/h	31,7	57,1	18,1		
24	Flow Speed, Outlet	m/s	21,8	66,0	38,0		
25	Type Of Valve Control Ball Valve Type W						
26	Valve Parameter			Material			
27	Seat Diameter:	100	mm	Body:	1.7380/1.7383 (10CrMo9-10/11CrMo9-10))		
28	Pressure Reduction Steps, controlled:	2		Seating:	1.4923 (X22CrMoV12-1), metal sealing		
29	Pressure Reduction Steps, fix:	0		Ball:	1.4923 (X22CrMoV12-1), metal sealing		
30	Σ-kvs	57	m³/h	Control disc:	1.4923 (X22CrMoV12-1), hardened		
31	Control Characteristic:	linear		Seals:	Graphite		
32	max. Dp für Actuator:	102	bar				
33	Installation Length:	550	mm				
34							
35	Design / Inspection					Final Inspection	
36					Confirmation acc. to DIN EN 3.1		
37	Requirements acc. to:	EN 12952		10204			
38	Leakage Class:	0,01% of kvs-Value					
39							
40	Actuator	pneumatic					3167848
41	Type:	ProtACT PRY.B2.401S.04.2530.KØ100/2x28.PRH, Type Scotch Joke, single-acting, spring closes					
42		Positioner: Siemens Sipart PS2 - 6DR5011-0NG21-0AA1, incl. Iy-Module for position feedback (4 ... 20mA)					
43		Type: 6DR4004-8J; incl. limit transmitter SIA-Module; inductive limit switches; incl.gauge block made of plastic					
44		aluminium block, volume booster SMC EIL100-F02 G1/4"; filter regulator SMC AW30-F02G-B 1/4" incl. pressure gauge					
45		completely piped in stainless steel, air supply: 5,0 bar(g)					
46	Actuatoradaption:	EN ISO 5211 - F25 - multi-toothting					
47	Remarks						
48	- control contour - partial hole contour						
49							
50							
51							
52							
53	Revision	0	1	2	3	4	5
54	Date:	11.06.2021	11.10.2021				
55	Prepared:	F. Lange	P. Schüler				
56	Checked:	P. Schüler	R. Feldmann				