

# 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.:		2		
3	Location:	desalting control valve	Qty.:		1		
4	TAG No.:	1 LCQ10 AA001	S/N:		3168064.1		
5	<b>Pipe - Connection Data</b>		<b>Inlet</b>			<b>Outlet</b>	
6	Dimensions	ØD [mm] x s [mm]	48,3	x	3,6	48,3	x 3,6
7	Material		...			...	
8	Welding Connection	ØD [mm] x s [mm]	48,3	x	3,6	48,3	x 3,6
9	Flange Connection		--			--	
10	<b>Valve - Design</b>		<b>Inlet</b>			<b>Outlet</b>	
11	Nominal Size	DN / NPS	40			40	
12	Nominal Pressure	PN / class	--			--	
13	Design Pressure	bar(g)	102			102	
14	Design Temperature	°C	314			314	
15	Material		1.0460 (P250GH, C22.8)			1.0460 (P250GH, C22.8)	
16	<b>Operation Data</b>		<b>Loading Case</b>	<b>Loading Case</b>	<b>Loading Case</b>	<b>Loading Case</b>	<b>Loading Case</b>
17	Medium :	Water/Steam	1	2	3	4	5 6
18	Phase		water	water			
19	Flowrate	t/h	0,46	1,06			
20	Temperature, Inlet	°C	305,00	305,00			
21	Pressure, Inlet	barG	91,20	91,20			
22	Pressure, Outlet	barG	4,00	5,00			
23	kvs	m³/h	0,13	0,29			
24	Flow Speed, Outlet	m/s	12,6	23,6			
25	<b>Type Of Valve Control Ball Valve Type W</b>						
26	<b>Valve Parameter</b>			<b>Material</b>			
27	Seat Diameter:	25 mm		Body:	1.0460 (P250GH, C22.8)		
28	Pressure Reduction Steps, controlled:	1		Seating:	1.4122 (X39CrMo17-1), metal sealing		
29	Pressure Reduction Steps, fix:	0		Ball:	1.4122 (X39CrMo17-1), metal sealing		
30	kvs	0,40 m³/h		Control disc:	1.4122 (X39CrMo17-1), hardened		
31	Control Characteristic:	linear		Seals:	Graphite		
32	max. Dp für Actuator:	102 bar					
33	Installation Length:	190 mm					
34							
35	<b>Design / Inspection</b>					<b>Final Inspection</b>	
36					<b>Confirmation acc. to DIN EN 3.1</b>		
37	Requirements acc. to:	EN 12952			<b>10204</b>		
38	Leakage Class:	0,01% of kvs-Value					
39							
40	<b>Actuator</b>	electric					3168047
41	Type:	auma SAR07.6 & GS63.3 & AC01.2					
42		U = 400V / 50Hz / 3ph					
43		terminal plan: TPA 00R1AA-0A1-000, TPC A-1B1-1C2-A000					
44		positioning time: ca. 35 sec. / 90°					
45							
46	<b>Actuatoradaption:</b>	EN ISO 5211 - F10 - square 17 mm					
47	<b>Remarks</b>						
48	<b>ATTENTION!</b>						
49	- Loading Case 1 & 2 - FLASHING						
50							
51							
52	- Loading Case 1 & 2 - Temperature changed (phase - liquid)						
53	Revision	0	1	2	3	4	5 6
54	Date:	11.06.2021	11.10.2021				
55	Prepared:	F. Lange	P. Schüler				
56	Checked:	P. Schüler	R. Feldmann				