

Control Valve



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
GERMANY

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	ARTES-ref.-no.: 5504246	
2	Plant:	Pos.: 8	
3	Location: 3-Way valve	Qty.: 1	
4	TAG No.: 1 LAB40 AA001	S/N: 3168070.1	
5	Pipe - Connection Data	Connection 1	Connection 2
6	Dimensions ØD [mm] x s [mm]	114,3 x 8,0	168,3 x 12,5
7	Material	P265GH	P265GH
8	Welding Connection ØD [mm] x s [mm]	118,3 x 10,0	170,3 x 13,5
9	Flange Connection	--	--
10	Valve - Design	Connection 1	Connection 2
11	Nominal Size DN / NPS	100	150
12	Nominal Pressure PN / class	--	--
13	Design Pressure bar(g)	136	136
14	Design Temperature °C	314	314
15	Material	1.5415	1.5415
16			
17	Operation Data	Loading Case 1	Loading Case 2
18	Medium: Water/Steam	Outlet 1	Outlet 2
19	Flowrate t/h	0,00	15,00
20	Temperature, Inlet °C	115	115
21	Pressure, Inlet barG	65,80	65,80
22	Pressure, Outlet barG	65,60	65,50
23			
24	K _v value m ³ /h	-	28,35
25	Flow Speed, Outlet m/s	-	-
26	Type Of Valve	3-Way Valve - Distributor	
27	Material	Valve Parameter	
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29	Body: 1.5415	Seat Diameter: 65 mm	
30	Stem: 1.4122	K _{vS} Value: 160 m ³ /h	
31	Seat: 1.5415	max. Δp Actuator: 5 bar	
32		Installation Length:: 400/200 mm	
33			
34	Seals: Graphite		
35			
36			
37	Design / Inspection		
38	Requirements acc. to:	EN 12952	
39	Leakage Class:	1,5% of K _{vS} -Value	
40	Final Inspection Confirmation acc. to DIN EN 10204	3.1	
41			
42	Actuator	pneumatic	3168049
43	Type:	ProtACT PR263S.10.090.14S36.PRH, single-acting, spring closes	
44		Positioner: Siemens Sipart PS2 - 6DR5011-0NG21-0AA1, incl. ly-Module for position feedback (4 ... 20mA)	
45		Type: 6DR4004-8J; incl. limit transmitter SIA-Module; inductive limit switches; incl.gauge block made of plastic	
46		aluminium block, filter regulator SMC AW30-F02G-B 1/4" incl. pressure gauge	
47		completely piped in stainless steel, air supply: 5,0 bar(g)	
48	Remarks		
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54	Revision	0	1
55	Date:	11.06.2021	11.10.2021
56	Prepared:	F. Lange	P. Schüler
57	Checked:	P. Schüler	R. Feldmann

