

3-Way-Valve



1	Customer:	FISIA BABCOCK ENVIRONMENT GmbH	ARTES-No.	5500809		
2	Project:	Kristiansand	Pos.	20		
3	Location:	feed water pipeline before drum economiser	Units:	1		
4	KKS-No.	1 LAB50 AA001	Material:	3059307.1		
5	Pipe connecting data		Connection 1	Connection 2	Connection 3	
6	Pipe	Ø D x s mm	114,3 x 5,0	114,3 x 5,0	114,3 x 5,0	
7	Pipe material		--	--	--	
8	Buttwelds	Ø D x s mm	114,3 x 5,0	114,3 x 5,0	114,3 x 5,0	
9	Flange connection					
10	Valve information		Connection 1	Connection 2	Connection 3	
11	Nominal size	DN	100	100	100	
12	Nominal pressure	PN	160	160	160	
13	Pressure	bar(g)	75,1	75,1	75,1	
14	Temperature	°C	160	160	160	
15	Material		1.0460	1.0460	1.0460	
16	Test pressure - Body Strength		133,0 bar			
17	Operation data		Point	Point	Point	Point
18	Medium:	feed water	1	2	3	4
19	Flowrate	t/h	0,00	70,90	35,50	70,90
20	Temperature	°C	130		130	130
21	Pressure inlet	bar(g)	74,40		74,40	74,40
22	Pressure outlet	bar(g)	74,10	74,10	74,25	74,10
23	Noise level	dB(A)				
24	Kv value	m³/h				133,00
25	Flow Speed					
26	Type of valve 3-Way-Valve type G-W - splitter					
27	Werkstoffe:			Ventilparameter:		
28						
29	Body:	1.0460		Ø Seat:	80	mm
30	Stem:	1.4122		Ø Stem:	36	mm
31	Seat:	1.0460		K _{VS} - value:	160	m³/h
32						
33	Seals:	O-rings				
34				max. Δp for the drive:	2	bar
35				Installation length:	1)	mm
36						
37	Inspected acc. to		Pressure Equipment Directive 97/23/EC CE-Mark			
38			Requirements acc. to: AD2000			
39			Leakage rate: 1,5% from K _{VS} - Value			
40	Special rools					
41						
42	Drive	elektric				Material: 3056483
43	Type:	auma SAR07.5 + GS63.3 (RR) + AC01.1 - Profibus				
44		connecting diagram: ACP 11A1-3P0--S000 KMS: TP102/001				
45		manipulating time: ca. 35s / 90°				
46		U=400V / 50Hz				
47						
48	Actuatoradaption:	DIN ISO 5211 - F12 with square 30 mm (breakaway torque M = 500 Nm)				
49	Remarks					
50	Connection 2 (Inlet) always open, Connection 1 (Outlet I) & Connection 3 (Outlet II) controlled					
51						
52		1) acc. to dimension drawing "5500809-20-MB"				
53						
54	Revision	0	1	2	3	4
55	Date:	29.05.2008	31.07.2008	17.10.2008	05.11.2008	25.02.2009
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