

3-Way Armature



1	Client:	Fisia Babcock Environment GmbH	ARTES-no.	5502413			
2	Project:	Tampere	Pos.	2			
3	Item:	Speisewasserregelstation	Units:	1			
4	P&ID:	TV1 LAB50 AA001	Material:	3111664.1			
5	Pipe connection data		Connection I	Connection II	Connection III		
6	Pipe	Ø D x s mm	114,3 x 6,3	114,3 x 6,3	114,3 x 6,3		
7	Pipe material		P235GH-TC2	P235GH-TC2	P235GH-TC2		
8	Buttwelds	Ø D x s mm	114,3 x 6,3	114,3 x 6,3	114,3 x 6,3		
9	Pipe class		160CE01	160CE01	160CE01		
10	Valve information		Connection I	Connection II	Connection III		
11	Nominal size	DN	100	100	100		
12	Nominal pressure	PN	160	160	160		
13	Pressure	bar(ü)	75	75	75		
14	Temperature	°C	160	160	160		
15	Material		1.0460	1.0460	1.0460		
16	Test pressure - Body Strength						
17	Operation data		Point 1	Point 2		Point 3	
18	Medium:	feed water	100% ECO	10% zum Tr.Vw	90% ECO	50% zum Tr.Vw 50% ECO	
19	Flowrate	kg/s	20,56	2,06	18,50	10,28 10,28	
20	Temperature	°C	130	130	130	130 130	
21	Pressure inlet	bar(ü)	55,41	55,41	55,41	55,41 55,41	
22	Pressure outlet	bar(ü)	54,80	54,80	54,80	54,84 54,8	
23							
24	Kv value	m³/h	99,17	-	-	- -	
25							
26	Type of valve 3-Way-Valve type W - splitter						
27	Material:				Valve data:		
28							
29	Body:	1.0460			Ø Seat:	80	mm
30	Stem:	1.4122			Ø Stem:	-	mm
31	Seat:	1.0460			K _{VS} - value:	130	m³/h
32							
33	Seals:	O-Ringe			max. Δp for the dr	3	bar(ü)
34					Installation length	n.V.	mm
35							
36							
37	Inspected acc. to		Pressure Equipment Directive 97/23/EC CE-Mark				
38			Requirements acc. to:	EN 12952			
39			Leakage rate:	1,5% from Kvs Value			
40	Special rools						
41	Test pressure						
42	Drive	elektric				Material: 3109463	
43	Type:	AUMA SAR07.6 + GS63.3 ohne Matic				Actuatoradaption: F12, VK30	
44		400V / 50Hz, 3ph AC					
45		RWG 4-20 mA					
46		Spezifikation Tampere					
47		TPA00R1BB-0C1-000					
48	Remarks		Inlet 2 always open; Inlet 1 and Outlet 3 controlled.				
49							
50							
51							
52	Revision	0	1	2	3	4 5	
53	Date:	09.07.2014	31.07.2014	05.12.2014			
54	Prepared:	H. Roßmann	J. Gerhardt	P. Schüler			
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