

3-Way Manifold-Armature



1	Customer:	FISIA BABCOCK ENVIRONMENT GmbH	Job-No.:	5500572				
2	Project:	Borlänge	Pos.:	9				
3	Location:	Feed Water Upstream / Bypass Drum Preheater	Units:	1				
4	TAG-No.:	B7 LAB50 AA0271	Material:	3045546.1				
5	Pipeline		Connection I	Connection II	Connection III			
6	Pipeline	Ø D x s mm	88,9 x 5	88,9 x 5	88,9 x 5			
7	Pipeline Material		P235GH-TC2	P235GH-TC2	P235GH-TC2			
8	Weld End	Ø D x s mm	88,9 x 5	88,9 x 5	88,9 x 5			
9	Flange End		--	--	--			
10	Armature Design Data		Connection I	Connection II	Connection III			
11	Nominal Size	DN	80	80	80			
12	Nominal Pressure	PN	160	160	160			
13	Pressure	bar(a)	62,7	62,7	62,7			
14	Temperature	°C	160	160	160			
15	Material		1.0460	1.0460	1.0460			
16	Test Pressure - Body Strength		92 bar(a)					
17	Operation Data		Load	Load	Load	Load		
18	Fluid:	Feed Water	1	2	3	4		
19	Flowrate	t/h	0 / 46,3	23,15 / 23,15	46,3 / 0			
20	Temperature	°C	125	125	125			
21	Pressure Inlet	bar(a)	61,80	61,80	61,80			
22	Pressure Outlet	bar(a)	61,3 / 61,3	61,5 / 61,3	61,5 / 60,7			
23	Noise Level	dB(A)						
24	Kv Value	m³/h			87,090			
25	Leakage	t/h			0,790			
26	Type Of Valve: 3-Way Armature							
27	Material:			Valve Design:				
28								
29	Body:	1.0460				Ø Seat:	80	mm
30	Stem:	1.4122				Ø Stem:	36	mm
31	Seat:	1.0460				Reduction Steps:	-	
32						Kvs Value:	100	m³/h
33	Seal:	O-Ring / EPDM				Characteristic:	Acc. To Enclosure	
34						Δp Actuator:	2	bar
35			Installation Length	1)	mm			
36								
37	Inspection		PED 97/23/EC, CE Marking					
38			Requirements Acc. To:	AD-2000				
39			Leakage:	1,5% Of The Kvs Value				
40	Installation Instruction:							
41								
42	Actuator	electrical						
43	Type:	auma SAR07.5 + GS63.3 + AC01.1			Material:	3045285		
44		ACP 11A1-3P0--S000; KMS TP 102/001						
45		U=400V / 50 Hz						
46		Actuating Time ca. 30 s / 90°						
47	Actuatoradaption To The Armature:	DIN ISO 5211 - F12 With Square 30,0 mm						
48	Remarks:							
49	Connection I (Inlet) Always OPEN							
50	Connection II (Outlet I) And Connection III (Outlet II) - CONTROLLED							
51	Armature With Weld Ends, Service For All Inside Parts Over "Top Entry"							
52	1) Acc. To Dimesion Drawing "5500572-9-MB"							
53								
54	Revision	0	1	2	3	4		
55	Date:	23.07.2007	25.09.2007	17.10.2007	30.11.2007			
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