

3-Way Mix-Armature



1	Customer:	FISIA BABCOCK ENVIRONMENT GmbH	Job-No.:	5500572		
2	Project:	Borlänge	Pos.:	7		
3	Location:	Grate Cooling Water Upstream Grate Cooling Water Pumps	Units:	1		
4	TAG-No.:	B7 HLC70 AA0930	Material:	3045550.1		
5	Pipeline		Connection I	Connection II	Connection III	
6	Pipeline	Ø D x s mm	114,3 x 3,6	114,3 x 3,6	114,3 x 3,6	
7	Pipeline Material		P235GH-TC1	P235GH-TC1	P235GH-TC1	
8	Weld End	Ø D x s mm	114,3 x 3,6	114,3 x 3,6	114,3 x 3,6	
9	Flange End		--	--	--	
10	Armature Design Data		Connection I	Connection II	Connection III	
11	Nominal Size	DN	100	100	100	
12	Nominal Pressure	PN	25	25	25	
13	Pressure	bar(a)	17	17	17	
14	Temperature	°C	180	180	180	
15	Material		1.0460	1.0460	1.0460	
16	Test Pressure - Body Strength		14 bar(a)			
17	Operation Data		Load	Load	Load	Load
18	Fluid:	Grate Cooling Water	1	2	3	4
19	Flowrate	t/h	46,10	46,10	46,10	
20	Temperature	°C	102	102	102	
21	Pressure Inlet	bar(a)	8,1 / 7,9	8,0 / 8,0	7,8 / 8,1	
22	Pressure Outlet	bar(a)	7,60	7,70	7,50	
23	Noise Level	dB(A)				
24	Kv Value	m³/h			86,053	
25	Leakage	t/h			0,800	
26	Type Of Valve: 3-Way Armature					
27	Material:			Valve Design:		
28						
29	Body:	1.0460		Ø Seat:	100	mm
30	Stem:	1.4122		Ø Stem:	44	mm
31	Seat:	1.0460		Reduction Steps:	-	
32				Kvs Value:	83	m³/h
33	Seal:	O-Ring / EPDM		Characteristic:	Acc. To Enclosure	
34				Δp Actuator:	2	bar
35				Installaion 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:	3045286
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 36,0 mm				
48	Remarks:					
49	Connection II (Outlet) Always OPEN					
50	Connection I (Inlet I) And Connection III (Inlet II) - CONTROLLED					
51	Armature With Weld Ends, Service For All Inside Parts Over "Top Entry"					
52	1) Acc. To Dimesion Drawing "5500572-7-MB"					
53						
54	Revision	0	1	2	3	4
55	Date:	23.07.2007	25.09.2007	17.10.2007	30.11.2007	
56	Prepared:	H. Roßmann	H.Roßmann	H.Roßmann	T.Block	
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