

# 3-Way Mix-Armature



1	Customer:	FISIA BABCOCK ENVIRONMENT GmbH	Job-No.:	5500572				
2	Project:	Borlänge	Pos.	6				
3	Location:	Grate Cooling Water Downstream Primary Air Preheater	Units:	1				
4	TAG-No.:	<b>B7 HLC70 AA0929</b>	Material:	3045478.1				
5	<b>Pipeline</b>		Connection I	Connection II	Connection III			
6	Pipeline	Ø D x s mm	88,9 x 3,2	114,3 x 3,6	88,9 x 3,2			
7	Pipeline Material		P235GH-TC1	P235GH-TC1	P235GH-TC1			
8	Weld End	Ø D x s mm	88,9 x 3,2	114,3 x 3,6	88,9 x 3,2			
9	Flange End		--	--	--			
10	<b>Armature Design Data</b>		Connection I	Connection II	Connection III			
11	Nominal Size	DN	80	100	80			
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	<b>Test Pressure - Body Strength</b>		<b>14 bar(a)</b>					
17	<b>Operation Data</b>		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	<b>Type Of Valve:</b>	<b>3-Way Armature</b>						
27	<b>Material:</b>					<b>Valve Design:</b>		
28						Ø Seat:	80	mm
29	Body:	1.0460				Ø Stem:	36	mm
30	Stem:	1.4122				Reduction Steps:	-	
31	Seat:	1.0460				Kvs Value:	100	m³/h
32						Characteristic:	Acc. To Enclosure	
33	Seal:	O-Ring / EPDM				Δp Actuator:	2	bar
34						Installation Length:	1)	mm
35								
36								
37	<b>Inspection</b>	PED 97/23/EC, CE Marking						
38		Requirements Acc. To:	AD-2000					
39		Leakage:	1,5% Of The Kvs Value					
40	<b>Installation Instruction:</b>							
41								
42	<b>Actuator</b>	electrical				<b>Material: 3045285</b>		
43	Type:	auma SAR07.5 + GS63.3 + AC01.1						
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	<b>Remarks:</b>							
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 Dimension Drawing "5500572-6-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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