Three-Way Armature type 80

ARTES VALVE & SERVICE

1	Customer:	FISIA Babcock Environment GmbH			Job-No.:	5500476	
2	Project:	Uddevalla			Pos.:	40	
3	Location:	3WV bypass drum preheater			Units:	1	
4	Tag-No.:	**1LAB50AA001**			Material-no.:	3040815 **.1**	
5	**Pipe connection data**			Connection I	Connection II	Connection III	
6	Pipe	Ø D x s	mm	88,9 x 4,0	88,9 x 4,0	88,9 x 4,0	
7	Pipe material			P235GH-TC2	P235GH-TC2	P235GH-TC2	
8	Buttwelds	Ø D x s	mm	88,9 x 4,0	88,9 x 4,0	88,9 x 4,0	
9	Flange connection						
10	**Valve information**			Connection I	Connection II	Connection III	
11	Nominal size	DN		80	80	80	
12	Nominal pressure	PN		160	160	160	
13	Pressure	bar(g)		71,4	71,4	71,4	
14	Temperature	°C		160	160	160	
15	Material			1.0460	1.0460	1.0460	
16	**Test pressure - Body Strength**			**130,0 bar**			

17	**Operation data**		Point	Point	Point	Point	Point	
18	**Fluid: Feed water**		1	2	3	**4**	5	
19	Flowrate	t/h	50,3 0/100%	50,3 50/50%	50,3 100/0%			
20	Temperature	°C	130	130	130			
21	Pressure inlet	bar(a)	61,7	61,7	61,7			
22	Pressure outlet	bar(a)	61,2 / 61,2	61,4 / 61,2	61,4 / 60,6			
23	Noise level	dB(A)						
24	Kv value	m³/h						
25	**Type of valve**		**Three-Way Armature type G-W**					

26	**Material**		**Design of valve**		
27					
28	Housing	1.0460	Ø Seat	80	mm
29	Stem	1.4122	Ø Spindle	36	mm
30	Rotary segment	1.4122	Pressure reducation steps	1	
31			Kvs-value	150	m³/h
32	Seals	O-Ring - EPDM			
33			max. delta p actuator	2	bar
34			Installation length	1)	mm
35					
36	**Inspected acc. to**		PED 97/ 23 EG - category II - module H - CE indicator		
37			Requirement	AD-2000	
38					
39	**Special rools**				
40					
41	**Actuator**	Electric			**Material: 3040798**
42	Model	auma - SAR07.5 + GS80.3 + AC01.1			
43		ACP 11A1-3P0--B000; TP102/001			
44		400V/50Hz; 2WE/2DE - Manipulating time ca. 90 sec.			
45		Actuator adaption to the valve: DIN ISO 5211 - F14 / square 30,0 mm			
46	**Remarks**				
47		Design as ARTES- Three-Way Armature			
		Constant leakage by closed outlet			
		1) Accordant dimernsion drawing "5500476-4-MB"			

48	Revision	0	1	2	3	4	5
49	Date	02.03.2007	30.05.2007	20.06.2007	29.06.2007		
50	Making of	H.Roßmann	H. Jäkel	P. Schüler	F. Exner		
51	Proof	H. Jäkel	F. Exner	H. Jäkel	H. Jäkel		