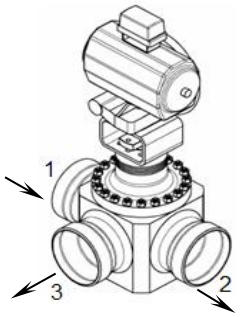
3-Way-Valve

ARTES VALVE & SERVICE

1	Customer:	FISIA BABCOCK ENVIRONMENT GmbH		ARTES-No.	5500809	
2	Project:	Kristiansand		Pos.	120	
3	Location:	cooling water pipeline before summer heat exchanger		Units:	1	
4	KKS-No.	0 NDD03 AA001		Material:	3059832.1	
5	**Pipe connecting data**			Connection 1	Connection 2	Connection 3
6	Pipe	Ø D x s	mm	355,6 x 8,0	355,6 x 8,0	273,0 x 6,3
7	Pipe material			--	--	--
8	Buttwelds	Ø D x s	mm	355,6 x 8,0	355,6 x 8,0	273,0 x 6,3
9	Flange connection					
10	**Valve information**			Connection 1	Connection 2	Connection 3
11	Nominal size	DN		350	350	250
12	Nominal pressure	PN		16	16	16
13	Pressure	bar(g)		6	6	6
14	Temperature	°C		130	130	130
15	Material			1.0460	1.0460	1.0460
16	**Test pressure - Body Strength**			**16,0 bar**		

17	**Operation data**		Point	Point	Point	Point	Point
18	Medium:	glycol 50/50	1	2	3	4	5
19	Flowrate	t/h	440,00	760,00	220,00	980,00	1200,00
20	Temperature	°C	8	80	80	80	80
21	Pressure inlet	bar(g)	5,00	5,00	5,00	5	5,00
22	Pressure outlet	bar(g)	4,30	4,70	4,03	4,7	4,70
23	Noise level	dB(A)					
24	Kv value	m³/h					2222,20
25	Flow Speed						

26	**Type of valve**	**3-Way-Valve type G-W - splitter**			
27	**Werkstoffe:**		**Ventilparameter:**		
28					
29	Body:	1.0460	Ø Seat:	250	mm
30	Stem:	1.4122	Ø Stem:	57	mm
31	Seat:	1.0460	K_{VS}- value:	2600	m³/h
32					
33	Seals:	O-rings			
34			max. Δp for the drive:	3	bar
35			Installation length:	1)	mm
36					
37	**Inspected acc. to**	Pressure Equipment Directive 97/23/EC CE-Mark			
38		Requirements acc. to:	AD2000		
39		Leakage rate:	1,5% from K_{VS} - Value		
40	**Special rools**				
41					
42	**Drive**	elektric			**Material: 3056496**
43	Type:	auma SAR10.1 + GS100.3 (RL) + AC01.1 - Profibus			
44		connecting diagram: ACP 11A1-3P0--S000 KMS: TP102/001			
45		manipulating time: ca. 35s / 90°			
46		U=400V / 50Hz			
47					
48	Actuatoradaption:	DIN ISO 5211 - F16 with square 46 mm (breakaway torque M = 2000 Nm)			
49	**Remarks**				
50	Connection 1 (Inlet) always open, Connection 2 (Outlet I) & Connection 3 (Outlet II) controlled				
51					
52	1) acc. to dimension drawing *"5500809-120-MB"*				
53					

54	Revision	0	1	2	3	4	5
55	Date:	29.05.2008	31.07.2008	17.10.2008	05.11.2008	25.02.2009	
56	Prepared:	H. Roßmann	K. Ramadan	P. Schüler	H. Jäkel	P. Schüler	
57	Checked:	H. Jäkel	H. Roßmann	H. Jäkel	K. Ramadan	F. Exner	