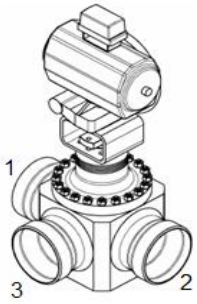
3-Way-Valve

ARTES VALVE & SERVICE

1	Customer:	Martin GmbH				ARTES-No.	5500771	
2	Project:	ESK Göteborg				Pos.	8	
3	Location:	3-Way-Valve				Units:	1	
4	KKS-No.					Material:	**3056343.1**	
5	**Pipe connecting data**			Connection 1	Connection 2	Connection 3		
6	Pipe	Ø D x s	mm	114,3 x 8	114,3 x 8	114,3 x 8		
7	Pipe material							
8	Buttwelds	Ø D x s	mm					
9	Flange connection			DIN2638	DIN2638	DIN2638		
10	**Valve information**			Connection 1	Connection 2	Connection 3		
11	Nominal size	DN		100	100	100		
12	Nominal pressure	PN		160	160	160		
13	Pressure	bar(g)		130	130	130		
14	Temperature	°C		300	300	300		
15	Material							
16	**Test pressure - Body Strength**							

17	**Operation data**		Point	Point	Point	Point	Point	
18	Medium:	Feed Water	1	2	3	4	5	
19	Flowrate	kg/s	46,00	54,00	58,00			
20	Temperature	°C	140	140	140			
21	Pressure inlet	bar(g)	70,00	70,00	70,00			
22	Pressure outlet	bar(g)	69,50	69,50	69,50			
23	Noise level	dB(A)						
24	Kv value	m³/h	242,89	285,13	306,25			
25	Flow Speed							
26	**Type of valve**		**3-Way-Valve type G-W - splitter**					
27	**Werkstoffe:**					**Ventilparameter:**		
28								
29	Body:	1.5415				Ø Seat:	100	mm
30	Stem:	1.4122				Ø Stem:	45	mm
31	Seat:	1.5415				K_{VS}- value:	385	m³/h
32								
33	Seals:	Graphite						
34						max. Δp for the drive:	5	bar
35						Installation length:	n.V.	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**	pneumatic
43	Type:	Elomatic ES950/5
44		ARCAPRO Positioner 4-20 mA; piped with stainless steel
45		Reducing Station 0-12 bar; Typ Camozzi MC104-D00
46		Console according to VDI/VDE 3845
47		air pressure 6 bar
48		
49	**Remarks**	
50	Connection 1 (Inlet) always open, Connection 2 (Outlet I) & Connection 3 (Outlet II) controlled	
51		
52		
53		

54	Revision	0	1	2	3	4	5
55	Date:	17.10.2008	23.09.2009				
56	Prepared:	K. Ramadan	K. Ramadan				
57	Checked:	H. Roßmann	H. Roßmann				