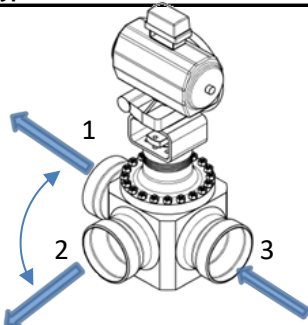
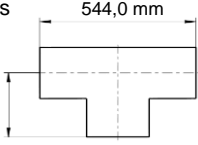
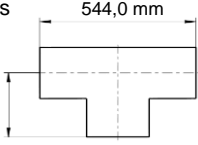
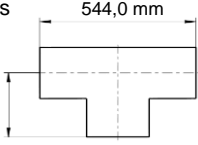


Three-Way Valve



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
GERMANY

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	Technoflow S.r.l.	ARTES-Ref.	5503433								
2	Plant:		Pos.	1								
3	Service:	for boiler B-5201A	Qty.:	1								
4	P & ID No.	102	S/N:	3144053.1								
5	Pipeline		Connection 1	Connection 2	Connection 3							
6	Dimensions	Ø D x s mm	168,3 x 21,95	168,3 x 21,95	168,3 x 21,95							
7	Material											
8	Weld ends	Ø D x s mm	B16.25	B16.25	B16.25							
9	Flange ends		--	--	--							
10	Valve Design		Connection 1	Connection 2	Connection 3							
11	Nom. pipe size	DN	6"	6"	6"							
12	Nom. pressure	PN	1500	1500	1500							
13	Design Pressure	bar(g)	208,6	208,6	208,6							
14	Design Temp.	°C	250	250	250							
15	Material		SA105	SA105	SA105							
16	Hydraulic Test Pressure		383,0 bar									
17	Operational conditions		Load Case	Load Case	Load Case	Load Case						
18	Medium:	water	1	2	3	4						
19	Flow	t/h										
20	Temperature	°C										
21	p inlet	bar(g)										
22	p outlet	bar(g)										
23	Kvs value	m³/h										
24	Leakage flow	t/h										
25												
26	Valve type		Type W									
27	Material:		Valve Parameters									
28												
29	Body:	SA105	Ø seat 100 mm Kvs Value: 470 m³/h max. Δp for actuator: 2 bar									
30	Stem:	1.4122	<table border="1"> <tr> <td>Control characteristic:</td> <td>Dimensions</td> <td>544,0 mm</td> </tr> <tr> <td>linear</td> <td>272,0 mm</td> <td></td> </tr> </table>				Control characteristic:	Dimensions	544,0 mm	linear	272,0 mm	
Control characteristic:	Dimensions	544,0 mm										
linear	272,0 mm											
31	Plug:	1.4122										
32												
33	Gaskets:	Graphite										
34												
35												
36												
37	Design & Tests acc. to:		ASME B16.34 (ASME BPVC Sec.VIII Div.1)									
38												
39			Leakage: straight way 3 --> 1: 20% of Kvs, bypass 3 -->2: 1,5% of Kvs ¹⁾									
40	Installation requirements:											
41												
42	Actuator type:	manual				3144130						
43	Model:	gearbox auma GS80.3 with handwheel										
44		high temperature version, with mechanical limit stops										
45												
46												
47												
48	Remarks:											
49	¹⁾ valve-internal, not adjustable, mechanical limit stop ensures a minimum water flow of 20% from port 3 to port 1											
50												
51												
52												
53	Revision:	0	1	2	3	4						
54	Date:	20.06.2018	16.07.2018	28.08.2018	07.09.2018							
55	Prepared:	S. Haftenberger	P. Schüler	P. Schüler	P. Schüler							
56	Checked:	P. Schüler	H. Jäkel	H. Jäkel	H. Jäkel							