

3-Way-Valve



1	Customer:	AE&E Inova GmbH	ARTES-No.	5500799				
2	Project:	Delfzijl	Pos.	30				
3	Location:	feed water 3-way mixer	Units:	2				
4	KKS-No.	11HAC20 AA201 & 12 HAC20 AA201	Material:	3055453.2 & 3055453.3				
5	Pipe connecting data		Connection 1	Connection 2	Connection 3			
6	Pipe	Ø D x s mm	114,3 x 5,6	114,3 x 5,6	88,9 x 4,5			
7	Pipe material		1.0345	1.0345	1.0345			
8	Buttwelds	Ø D x s mm	114,3 x 5,6	114,3 x 5,6	88,9 x 4,5			
9	Flange connection							
10	Valve information		1	2	3			
11	Nominal size	DN	100	100	80			
12	Nominal pressure	PN	100	100	100			
13	Pressure	bar(ü)	72	72	72			
14	Temperature	°C	281	281	281			
15	Material		1.5415	1.5415	1.5415			
16	Test pressure - Body Strength		163,0 bar					
17	Operation data		Point 1	Point 2 ¹⁾	Point 3	Point 4		
18	Medium:	feed water	1	2 ¹⁾	3	4		
19	Flowrate	kg/s	19,30	0,86				
20	Temperature	°C	115	115				
21	Pressure inlet	bar(a)	62,99	62,99				
22	Pressure outlet	bar(a)	62,49	62,49				
23	Noise level	dB(A)						
24	Kv value	m³/h	100,81	4,50				
25								
26	Type of valve		3-Way-Valve type W					
27	Werkstoffe:				Ventilparameter:			
28					Ø Seat:		100	mm
29	Body:	1.5415			Ø Stem:		45	mm
30	Stem:	1.4122			K _{VS} - value:		125	m³/h
31	Seat:	1.5415			max. Δp for the drive:		5	bar
32					Installation length:		2)	mm
33	Seals:	1.4122 hardened						
34								
35								
36								
37	Inspected acc. to		Pressure Equipment Directive 97/23/EC CE-Mark					
38			Requirements acc. to: AD2000					
39			Leakage rate: acc. to Point 2					
40	Mounting Instruction							
41	Inspection Pressure:							
42	Drive		elektric			Material: 3055838		
43	Type:		DREHMO DiMR 59-B3-16 + MSG 50.75 - R					
44			iMatic in Actuator integrated					
45			wiring diagram: iM 005-XX-AA-XBA					
46			manipulating time : 70s / 90°					
			U=400V / 50Hz					
47	Actuatoradaption:		DIN ISO 5211 - F12 with square 36 mm (breakaway torque M = 500 Nm)					
48	Remarks							
49	Connection 1 (Outlet) allways open, Connection 2 (Inlet I) & Connection 3 (Inlet II) controlled							
50	¹⁾ minimal loopflow at closed armature based to Point1							
51	(clearance between rotary slide and body 0,4mm)							
53	²⁾ acc. to dimension drawing "5500799-30-MB"							
54	Revision	0	1	2	3	4		
55	Date:	11.07.2008	16.09.2008	23.09.2008	02.10.2008	12.11.2008		
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