

Three-Way Valve



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
GERMANY

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	MRC Global (Belgium) NV	ARTES-Ref.	5503316		
2	Plant:	Yara Tertre S.A./N.V	Pos.	1		
3	Service:	manual Three-way valve for bypass control	Qty.:	1		
4	TAG No.	--	S/N:	3139946.1		
5	Pipeline		Connection 1	Connection 2	Connection 3	
6	Dimensions	Ø D x s mm	--	--	--	
7	Material		--	--	--	
8	Weld ends	Ø D x s mm	--	--	--	
9	Flange ends		EN1092-1 / B	EN1092-1 / B	EN1092-1 / B	
10	Valve Design		Connection 1	Connection 2	Connection 3	
11	Nom. pipe size	DN	125	125	125	
12	Nom. pressure	PN	63	63	63	
13	Design Pressure	bar(g)	30			
14	Design Temp.	°C	500			
15						
16	Hydraulic Test Pressure					
17	Operational conditions		Load Case	Load Case	Load Case	Load Case
18	Medium:	steam	1	2	3	4
19	Flow	t/h	25,1			
20	Temperature	°C	400			
21	p inlet	bar(g)	24,00			
22	p outlet	bar(g)	23,50			
23	Kvs value	m³/h	470,0			
24						
25						
26	Valve type		Type W			
27	Material:					
28						
29	Body:	1.7335				
30	Stem:	1.4122				
31	Plug:	1.7335				
32						
33	Gaskets:	Graphite				
34						
35						
36						
27			Valve Parameters			
			Ø Seat	100	mm	
			K _{VS} Value:	470	m³/h	
			max. Δp actuator	2	bar	
			Control characteristic:	linear 		
37	Design & Tests acc. to:		Pressure Equipment Directive 2014/68/EU			
38			Requirements acc. to:		EN12952	
39			Leakage:		ca. 1,5% of K _{VS} -value	
40	Installation requirements:					
41						
42	Actuator type:	manual				
43	Model:	AUMA GS63.3 with handwheel				
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48	Remarks:					
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52						
53	Revision:	0	1	2	3	4
54	Date:	19.03.2018	03.04.2018			
55	Prepared:	S. Haftenberger	P. Schüler			
56	Checked:	H. Jäkel	F. Exner			