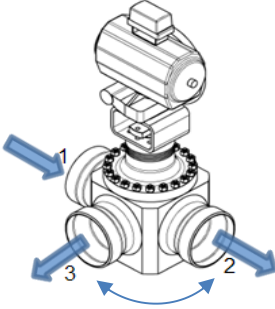


Three-Way Valve



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
GERMANY

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	KÜTTNER GmbH & Co. KG	ARTES-Ref.:	5504479		
2	Plant:	Bernegger / TBS	Pos.:	11		
3	Service:	Dreiwege RV Speisewasservorwärmung	Qty.:	1		
4	TAG No.:	TMG.E010.FJ125	S/N:	3175071.1		
5	Pipeline		Connection 1	Connection 2	Connection 3	
6	Dimensions	Ø D [mm] x s [mm]	114,3 x 6,3	114,3 x 6,3	114,3 x 6,3	
7	Material		1.0345 (P235GH-TC2)	1.0345 (P235GH-TC2)	1.0345 (P235GH-TC2)	
8	Weld ends	Ø D [mm] x s [mm]	114,3 x 6,3	114,3 x 6,3	114,3 x 6,3	
9	Flange ends		--	--	--	
10	Valve Design		Connection 1	Connection 2	Connection 3	
11	Nom. pipe size	DN / NPS	100	100	100	
12	Nom. pressure	PN / class	--	--	--	
13	Design Pressure	[bar(g)]	70	70	70	
14	Design Temp.	[°C]	287	287	287	
15	Material		1.0460 (P250GH, C22.8)	1.0460 (P250GH, C22.8)	1.0460 (P250GH, C22.8)	
16	Hydraulic Test Pressure					
17	Operational conditions	Load Case	Load Case	Load Case	Load Case	Load Case
18	Medium:	1	2	3	4	5
19	Flow	[t/h]	2,00	42,00	43,00	
20	Temperature	[°C]	140,00	140,00	140,00	
21	p inlet	[bar(a)]	56,00	51,00	56,00	
22	p outlet	[bar(a)]	55,99	50,90	55,90	
23	Kvs value	[m³/h]	3,29	68,91	70,54	
24						
25	Geschwindigkeit	[m/s]	0,07	1,47	1,51	
26	Valve type	DWA-W Verteiler				
27	Material:		Valve Parameters			
28						
29	Body:	1.0460	Ø seat 65 mm			
30	Stem:	1.4122	Kvs Value: 199 m³/h			
31	Plug:	1.4122	delta p actuator 5 bar			
32						
33	Gaskets:	Grafit	Control characteristic:		Dimensions: 350,0 mm	
34			linear		175,0 mm	
35						
36						
37	Design & Tests acc. to:	Pressure Equipment Directive 2014/68/EU				
38		Requirements acc. to: EN 12952				
39		Leakage: 0,7% of Kvs-value				
40		Factory Acceptance Test Certificate acc. to EN 10204-3.1				
41	Installation requirements:					
42						
43	Actuator type:	pneumatisch				3175094
44		ProtACT PR216S; einfachwirkend "rack&pinion"; Luft öffnet, Feder schließt, Luftausfall: verharrend				
45		Signalausfall: schließen; Positioner: Siemens Sipart PS2 6DR5110-0NG01-0AA0; 2-Leiter, HART				
46		Verblockventil YT-400SP1; Filter-Regler: SMC AW30-F02BG-B mit Doppelklemmringverschraubung				
47		für 12 mm VA-Rohr; Zuluftdruck: min. 5,5 bar(g) ... max. 8,5 bar(g)				
48	Actuator adaption:	EN ISO 5211 - F14 - Vierkant 36 mm				
49	Remarks:					
50						
51						
52						
53						
54	Revision:	0	1	2	3	4
55	Date:	04.05.2022	29.06.2022	07.07.2022		
56	Prepared:	C. Pocher	P. Schüler	P. Schüler		
57	Checked:	P. Schüler	D. Hermann	D. Hermann		