

# 3-Way-Valve type 450



1	Customer:	ARCA	ARTES-No.:	5500525			
2	Order-No:		Pos.:	1			
3	Location:		Unit:	1			
4	P&ID.:	<b>HV - 20010</b>					
5	<b>Pipedesign</b>		Inlet	Inlet	Outlet		
6	Pipe	Ø D x s mm	18"	18"	18"		
7	Pipe Material		15CrMo	15CrMo	15CrMo		
8	Welding End	Ø D x s mm					
9	Flange End		RTJ	RTJ	RTJ		
10	<b>Armaturedesign</b>		Inlet	Inlet	Outlet		
11	Nominal Size	DN	18"	18"	18"		
12	Nominal Pressure	PN	ANSI CI900	ANSI CI900	ANSI CI900		
12	Pressure	Mpa	10	10	10		
13	Temperature	°C	180	180	180		
14	Material		1 5415	1 5415	1 5415		
15	<b>Operating Date</b>		Loading Case	Loading Case	Loading Case	Loading Case	Loading Case
16	Medium:	Supplement Gas	1	2	3	4	5
17	Flow rate	Nm³/h	570.000	524.000	100.000		
18	Temperature	°C	123	123	123		
19	Pressure Inlet	Mpa(g)	8,5	8,5	8,5		
20	Pressure Outlet	Mpa(g)	8,49	8,49	8,49		
21	Sound Level	dB(A)	<85	<85	<85		
22	K <sub>v</sub> - Value	m³/h					
23	<b>Type Of Valve</b>						
24							
25	<b>Material</b>				<b>Ventilparameter:</b>		
26							
27	Body:	1.5415 (16Mo3, 15Mo3)	Seat Diameter:	450	mm		
28	Stem:	1.4122 (X20CrMoV12-1)	Stem Diameter:	80	mm		
29							
30	Seal:	Viton	Characteristic:	mod. linear			
31							
32					Δp For The Dirve	0,3	Mpa
33					Install. Length:		mm
34							
35	<b>Inspection Acc. To</b>		Pressure Equipment Directive 97/23/EC CE-Mark				
36			Requirements Acc. To AD-2000				
37							
38	<b>Mounting Instruction</b>						
39							
40	<b>Actuator:</b>		EI-O-Matic				
41	Type:		PS 4000, single action - spring power closed				
42			Handwheel				
43			Positioner 4 - 20mA				
44			Filter & Reducing Valve				
45							
46	<b>Remarks</b>		Leakage: Gap between housing and positioning element !				
47							
48							
49							
50	Revision	0	1	2	3	4	5
51	Date:	14.05.2007					
52	Prepared:	im					
53	Checked:	hj					