

Motive Steam Cooler



ARTES Valve & Service GmbH
Parkallee 7 - 16727 Velten
GERMANY

A MEMBER OF THE ARCA FLOW GROUP

1	Customer:	Richard Kablitz GmbH	ARTES-ref.-no.:	5504246				
2	Plant:	Bihov	Pos.:	12.2				
3	Location:	NDU	Qty.:	1				
4	TAG No.:	(1 LBS10 AA101)	S/N:	(3168081.1)				
5	Pipe - Connection Data		Motive Steam	Cooling Water	Steam Pipe			
6	Dimensions	ØD [mm] x s [mm]	internal	48,3 x 3,6	508,0 x 11,0			
7	Material							
8	Motive Steam Cooler - Connection Data		Motive Steam	Cooling Water	Steam Pipe			
9	Nominal Size	DN / NPS	--	40	--			
10	Nominal Pressure	PN / class	--	--	--			
11	Design Pressure	bar(g)	--	105	--			
12	Design Temperature	°C	--	125	--			
13	Material		--	1.7380/1.7383	--			
14	Welding Connection	ØD [mm] x s [mm]	--	x	--			
15	Flange Connection		--	--	--			
16								
17	Operation Data							
18			Loading Case	Loading Case	Loading Case	Loading Case	Loading Case	
19			1	2	3	4	5	
20	Medium:	steam						
21	Flowrate	t/h	26,00	23,20	4,00			
22	Temperatur, Inlet	°C	450,0	450,0	450,0			
23	Temperatur, Outlet	°C	132,4	132,4	132,4			
24	Pressure	barA	2,50	2,50	2,50			
25	Flow Speed	m/s	35,80 ¹⁾	31,90	5,50			
26								
27	Medium:	water						
28	Flowrate	t/h	7,57	6,75	1,16			
29	Temperature	°C	115	115	115			
30	Pressure, Inlet	barA	15,00	12,50	2,80			
31	Pressure, Outlet	barA	2,50	2,50	2,50			
32	Flow Speed	m/s	1,60	1,40	0,20			
33	kv	m³/h	2,20	2,20	2,20			
34								
35	Medium:	motive steam						
36	Flowrate	t/h	2,27					
37	Temperatur, Inlet	°C	475,17	474,71	472,75			
38	Pressure, Inlet	barA	46,50	45,60	42,00			
39	Pressure, Outlet	barA	2,50	2,50	2,50			
40	kv	m³/h	5,68	5,68	5,68			
41								
42	Type Of Valve Motive Steam Cooler - Type 1							
43	Design / Inspection							
44	Requirements acc. to:		EN 12952					
45	Mounting Instruction							
46	Length of straight outflow pipe				≥ 6,0 m			
47	Min-Distance to the temperature sensor				10,0 m			
48	Remarks							
49	¹⁾ - flow speed "hot" => 50,6 m/s							
50								
51								
52								
53	- internal motive steam extraction							
54	The motive steam cooler is part of the control valve - 1 LBS10 AA101!							
55	Revision	0	1	2	3	4	5	6
56	Date:	11.06.2021	11.10.2021					
57	Prepared:	F. Lange	P. Schüler					
58	Checked:	P. Schüler	R. Feldmann					