


Specification sheet for control valves

		Specification sheet for control valves according to IEC 60534-7 X - Details that must be specified to select and size the valve				
1		Installation site Enefit 280 CFB Phenolic water				
2		Control task Phenolic water flow control				
7	X	Pipeline DN 40 PN 25 NPS Class				
8		Pipe material P235GH				
12	X	Process medium phenolic water				
13	X	State at the valve inlet Liquid YES Vapor NO Gas NO				
15			Min.	Usual	Max.	Unit
16	X	Flow rate	0	8	18	m3
17	X	Input pressure p ₁	0	11	18	barg
18	X	Output pressure p ₂	0	11	18	barg
19	X	Temperature T ₁	10	45	60	C
20	X	Input density ρ ₁ or M	999	990	983	kg/m3
21	X	Vapor pressure P _v	1,22	9,56	19,9	kPa
22	X	Critical pressure P _c			221,2	Bar
23	X	Kinematic viscosity ν	1,3	0,6	0,47	10⁻⁶ m2/s
31		Calculation of max. flow coefficient K _v (C _v)				
32		Calculation of min. flow coefficient K _v (C _v)				
33		Selected flow coefficient K _{vs} or C _v				
34		Calculated sound pressure level dB(A)				
35		Type ... Valve				
36		Style				
38		Pressure rating	PN	Class		
39		Valve size	DN	NPS		
40		Type of end connections	Flanges YES	Welding ends	Welding-neck ends	DIN/ ANSI
43		Type of bonnet	Normal	Insulating section	Bellows seal	Heating jacket
45		Body/bonnet material				
47		Characteristic	Linear YES	Equal percentage		
48		Plug/stem material				
49		Bushing/seat material				
52		Facing	None	Stellite® facing	Completely of Stellite®	Hardened
54		Leakage class	% K _{vs}	Class		
55		Packing material	Standard	Form		
57		Actuator type Pneumatic YES				
60		Actuator area	cm ²			
62		Supply pressure	Min.	Max.		
63		Bench range				
64		Fail-safe action	fail-close	Fail-open	Fail in place	
66		Other actuator types	Electric	Electrohydraulic	Hand-operated	
67		Fail-safe position for three-way valves				
68		Additional manual override	No	Yes		
70		Positioner type				
71		Input signal	Pneumatic	Electric		
72		Control valve OPEN at	bar	mA		
73		Control valve CLOSED at	bar	mA		
76		Air connection, max.	bar			
78		Explosion protection	Ex i	Ex d		
80		Limit switch type				
81		Limit switch	Electric	Inductive	Pneumatic	
82		Switching position	Closed	% travel	Open	
83		Switching function	Closing	Opening		
84		Explosion protection	Ex i	Ex d		

Specifications subject to change without notice



SAMSON AG · MESS- UND REGELTECHNIK
 Weismüllerstraße 3 · 60314 Frankfurt am Main, Germany
 Phone: +49 69 4009-0 · Fax: +49 69 4009-1507
 samson@samson.de · www.samson.de

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