

Control Valve Data Sheet

Item No. / Qty	1	1	Ref. No.	
Tag No.	TCV9021		Purchaser	
Service			End user	
			Project	
<Control valve>			<Remarks>	
Model	AGVB		SV0703-105 Indicating unit : "kgf/cm2"	
Description	Top-Guided Single-Seat Control Valves		SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap	
Body/Port size	3 in.	3 in.	SV0601-001 Air piping Connection: 1/4 NPT	
Conn. Size. / Rated CV			SV0201-003 Seat leakage: Less than 0.01%CV (Equivalent IEC, JIS Class IV)	
Rating / Conn. Type	ANSI150	RF	SVB008-003 HEAT-RESIST. PAINT(BODY)/STANDARD PAINT(ACT.)	
Body material	SCPH2			
Trim material	SUS316 STELLITE			
Flow characteristic	EQ%			
Bonnet	PLAIN (-17 to 230 degC)			
Actuator / Handle	PSA3R	---		
Action	AIR TO OPEN			
Gland packing / Grease	P4519	---		
Gasket	V543(PTFE)			
Air supply / Spring range	2.8kgf/cm2	0.8-2.4kgf/cm2		
Seat leakage	CLASS IV			
Color: Body/Diaph./Yoke	M10B5/10	M10B5/10	M10B5/10	
Paint	Standard(act)/ Heat(body) resist. Paint			
<Accessories>				
Positioner	HEP17-12BLRY3NNSD-D1-X			
Structure	Water-proof			
Input signal	4-20 mADC			
Regulator	KZ03-2B-XX			1
Regulator2				
Limit switch				
Action				
Solenoid valve				
Action / Power				
Booster				
Air lock valve				
<Process data>				
Fluid name/Phase				STEAM
	MAX	NOR	MIN	Unit
Flow rate	3360	2800		kg/h
Inlet pressure	7	7		kgf/cm2G
Outlet pressure				kgf/cm2G
Differential press.	0.5	0.5		kgf/cm2
Shut-off press.		7		kgf/cm2
Temperature	170	170		degC
Density/Gravity(Liq)				kg/m3
Density/Gravity(G,V)	4.099	4.099		kg/m3(A)
Viscosity	0.01485	0.01485		mPa-s
Flash				%
Calculated CV	89.51	74.56		
Travel	82	78		%
Outlet velocity	0.106	0.08833		Mach
Predictive SPL	58	57		dBA
<Piping spec.>				
Strength Calc.Sheet				
Design Pressure			kgf/cm2G	
Design Temperature			degC	
Size	3 in.	3 in.		
Sch No.	40	40		
Thickness (mm)	5.5	5.5		
Azbil Corporation				