

# Control Valve Data Sheet

Item No. / Qty	1	5	Ref. No.	
Tag No.			Purchaser	
Service			End user	
			Project	
<b>&lt;Control valve&gt;</b>			<b>&lt;Remarks&gt;</b>	
Model	AGVB		SV0703-105 Indicating unit : "kgf/cm2"	
Description	Top-Guided Single-Seat Control Valves		SV0601-001 Air piping Connection: 1/4 NPT	
Body/Port size	4 in.	4 in.	SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap	
Conn. Size. / Rated CV		200	SV0101-005 Flange facing finish : Serration ASME B16.5(125 ~ 250AARH)	
Rating / Conn. Type	ANSI150	RF	SV0201-003 Seat leakage: Less than 0.01%CV (Equivalent IEC, JIS Class IV)	
Body material	A216WCB		SV0506 On-Off action	
Trim material	SUS316			
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	Heat Resistant			
<b>&lt;Accessories&gt;</b>				
Positioner				
Structure				
Input signal				
Regulator	KZ03-2B-1B		1	
Regulator2				
Limit switch				
Action				
Solenoid valve	8320G174		1	
Action / Power	En: Close, De: Open		DC24V	
Booster				
Air lock valve				
<b>&lt;Process data&gt;</b>				
Fluid name/Phase	water		WATER	
	MAX	NOR	MIN	Unit
Flow rate	45			m3/h
Inlet pressure	4			barG
Outlet pressure	3			barG
Differential press.	1			bar
Shut-off press.	4			bar
Temperature	85			degC
Density/Gravity(Liq)	968.6			kg/m3
Density/Gravity(G,V)				MW
Viscosity	0.3433			mPa-s
Flash				%
Calculated CV	51.2			
Travel	59			%
Inlet velocity	1.592			m/s
Predictive SPL	62			dBA
<b>&lt;Piping spec.&gt;</b>				
Strength Calc. Sheet				
Design				kPaG
Temp.				degC
Size				
Sch No.				
Thickness				
<b>Azbil Corporation</b>				