

Control Valve Data Sheet

Item No. / Qty	1	1		Ref. No.		
Tag No.				Purchaser		
Service				End user	Toyotetsu Otomotiv Parçaları Sanayi ve Ti	
				Project		
<Control valve>				<Remarks>		
Model	AGVB			SV0201-003 Seat leakage: Less than 0.01%CV (Equivalent IEC, JIS Class IV)		
Description	Top-Guided Single-Seat Control Valves			Replacement of R-H4RLK-41-011(2018).		
Body/Port size	1-1/2 in.	1-1/2 in.				
Conn. Size. / Rated CV			30			
Rating / Conn. Type	JIS10K	RF				
Body material	SCPH2					
Trim material	SUS316					
Flow characteristic	EQ%					
Bonnet	PLAIN (-17 to 230 degC)					
Actuator / Handle	PSA2R					
Action	AIR TO OPEN					
Gland packing / Grease	V-PTFE					
Gasket	V543(PTFE)					
Air supply / Spring range	270kPa	80-240kPa				
Seat leakage	CLASS IV					
Color: Body/Diaph./Yoke	M10B5/10	M10B5/10	M10B5/10			
Paint	Standard					
<Accessories>						
Positioner	AVP300-XSD2A-1DYS-X					
Structure	Water-proof, Rc1/4, G1/2					
Input signal	4-20 mADC					
Regulator	KZ03-2A-XX			1		
Regulator2						
Limit switch						
Action						
Solenoid valve						
Action / Power						
Booster						
Air lock valve						
<Process data>						
Fluid name/Phase	tap water with antirust agent			WATER		
	MAX	NOR	MIN	Unit		
Flow rate	130			L/min		
Inlet pressure	0.7			MPaG		
Outlet pressure	0.65			MPaG		
Differential press.	0.05			MPa		
Shut-off press.	0.7			MPa		
Temperature	20			degC		
Density/Gravity(Liq)	998.6			kg/m3		
Density/Gravity(G,V)					MW	
Viscosity	1.032			mPa-s		
Flash					%	
Calculated CV	12.74					
Travel	69			%		
Inlet velocity	1.963			m/s		
Predictive SPL	50			dBA		
<Piping spec.>						
Strength Calc.Sheet						
Design Pressure					kPaG	
Design Temperature					degC	
Size						
Sch No.						
Thickness (mm)						
Azbil Corporation						