

Control Valve Data Sheet

Item No. / Qty	1	2	Ref. No.	
Tag No.	FCV8046		Purchaser	
Service			End user	
			Project	
<Control valve>			<Remarks>	
Model	HCB		SV0703-104 Indicating unit : "Mpa"	
Description	Pressure Balanced Cage Type Control Valves		SV0201-007 Seat leakage: Less than 0.5%CV (Equivalent IEC, JIS Class II)	
Body/Port size	8 in.	6 in.	SV0601-001 Air piping Connection: 1/4 NPT	
Conn. Size. / Rated CV			SV0501-200 Actuator mounting position No.2	
Rating / Conn. Type	ANSI150	RF	old production number : R-PM517-41-011	
Body material	SCPH2			
Trim material	SCS24			
Flow characteristic	EQ%			
Bonnet	PLAIN (-17 to 230 degC)			
Actuator / Handle	HA4D	SIDE		
Action	AIR TO CLOSE			
Gland packing / Grease	P4519	---		
Gasket	V543,V8590F			
Air supply / Spring range	0.39MPa	0.08-0.24MPa		
Seat leakage	CLASS II			
Color: Body/Diaph./Yoke	M10B5/10	M10B5/10	M10B5/10	
Paint	Standard			
<Accessories>				
Positioner	AVP300-PSD3C-1DYN-X			
Structure	Water-proof, 1/4 NPT, 1/2 NPT			
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	Direct water		WATER	
	MAX	NOR	MIN	Unit
Flow rate	4200			L/min
Inlet pressure	0.95			MPaG
Outlet pressure	0.05			MPaG
Differential press.				MPa
Shut-off press.	0.05			MPa
Temperature	35			degC
Density/Gravity(Liq)	994.5			kg/m3
Density/Gravity(G,V)				MW
Viscosity	0.7408			mPa-s
Flash				%
Calculated CV	96.84			
Travel	57			%
Inlet velocity	2.229			m/s
Predictive SPL	76			dBA
<Piping spec.>				
Strength Calc.Sheet				
Design Pressure			MPaG	
Design Temperature			degC	
Size		8 in.	8 in.	
Sch No.		40	40	
Thickness (mm)		8.2	8.2	
Azbil Corporation				