

Control Valve Data Sheet

Item No. / Qty	1	1	Ref. No.	
Tag No.	PV-9703		Purchaser	
Service			End user	
<Control valve>			<Remarks>	
Model	HCB		SV0703-105 Indicating unit : "kgf/cm2"	
Description	Pressure Balanced Cage Type Control Valves		SV0601-001 Air piping Connection: 1/4 NPT	
Body/Port size	4 in.	4 in.	SV0201-007 Seat leakage: Less than 0.5%CV (Equivalent IEC, JIS Class II)	
Conn. Size. / Rated CV			SV0212 Cage plug with piston ring	
Rating / Conn. Type	ANSI300	RF	***	
Body material	SCPH2		Existing Production No.: R-93961-41-020, HCB 4"x 4", ANSI 300RF, HA3	
Trim material	SCS24			
Flow characteristic	EQ%			
Bonnet	EXT-1 (230 to 450 degC)			
Actuator / Handle	HA3R	---		
Action	AIR TO OPEN			
Gland packing / Grease	P6610CH+P6528	PS6		
Gasket	V543,V8590			
Air supply / Spring range	2.8kgf/cm2	0.8-2.4kgf/cm2		
Seat leakage	CLASS II			
Color: Body/Diaph./Yoke	SILVER	SILVER	SILVER	
Paint	Standard			
<Accessories>				
Positioner	HEP15-12BLRY7RGSD-D1-X			
Structure	TIIS Flameproof			
Input signal	4-20 mADC			
Regulator	KZ03-2B-XX			
Regulator2				
Limit switch				
Action				
Solenoid valve				
Action / Power				
Booster				
Air lock valve				
<Process data>				
Fluid name/Phase	Steam		STEAM	
	MAX	NOR	MIN	Unit
Flow rate	8000	4000	0.5	kg/h
Inlet pressure	16	16		kgf/cm2G
Outlet pressure	15.5	15.5		kgf/cm2G
Differential press.	0.5	0.5		kgf/cm2
Shut-off press.				kgf/cm2
Temperature	240	240		degC
Density/Gravity(Liq)				kg/m3
Density/Gravity(G,V)	7.573	7.573		kg/m3(A)
Viscosity	0.01744	0.01744		mPa-s
Flash				%
Calculated CV	154.2	77.09		
Travel	96	73		%
Outlet velocity	0.0693	0.03465		Mach
Predictive SPL	53	53		dBA
<Piping spec.>				
Strength Calc. Sheet				
Design				kgf/cm2G
Temp.				degC
Size				
Sch No.				
Thickness				
Azbil Corporation				