

Control Valve Data Sheet

Item No. / Qty	1	1	Ref. No.	
Tag No.			Purchaser	
Service			End user	
			Project	
<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	8 in.	5 in.	SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap	
Conn. Size. / Rated CV			275	SV0201-007 Seat leakage: Less than 0.5%CV (Equivalent IEC, JIS Class II)
Rating / Conn. Type	ANSI600	RJ	SV0212 Cage plug with piston ring	
Body material	A216WCB			HART AVP SP No.5
Trim material	SCS14A STELLITE			Cold Weather Spec
Flow characteristic	LINEAR			Min Ambient Temperature Valve Body:(-)45degC Accessories:(-)40degC
Bonnet	EXT-1 (230 to 450 degC)			
Actuator / Handle	PSA6R			
Action	AIR TO OPEN			
Gland packing / Grease	P6610CH+P6528	650		
Gasket	V543			
Air supply / Spring range	4.0kgf/cm2	2.0-3.5kgf/cm2		
Seat leakage	CLASS II			
Color: Body/Diaph./Yoke	SILVER	SILVER	SILVER	
Paint	Heat Resistant			
<Accessories>				
Positioner	AVP302-CSD3B-2DYL-X			
Structure	ATEX Flameproof, 1/4 NPT, M20x1.5			
Input signal	4-20 mA DC			
Regulator	ARU3AS-03-8N-LT-5-G-BR-G450	1		
Regulator2				
Limit switch	VCX7001-L	1		
Action	Full Close on			
Solenoid valve				
Action / Power				
Booster				
Air lock valve				
<Process data>				
Fluid name/Phase	associated petroleum gas			GAS
	MAX	NOR	MIN	Unit
Flow rate	75000	64000	25000	m3/h(N)
Inlet pressure	76	76	76	kgf/cm2G
Outlet pressure	65	65	65	kgf/cm2G
Differential press.				kgf/cm2
Shut-off press.	76			kgf/cm2
Temperature	350	350	350	degC
Density/Gravity(Liq)				kg/m3
Density/Gravity(G,V)	0.903	0.903	0.903	Air=1
Viscosity				cP
Flash				%
Calculated CV	168.9	144.1	56.17	
Travel	62	54	23	%
Outlet velocity	0.04496	0.03837	0.01499	Mach
Predictive SPL	87	86	78	dBA
<Piping spec.>				
Strength Calc. Sheet				
Design				kgf/cm2G
Temp.				degC
Size	8 in.	8 in.		
Sch No.	40	40		
Thickness	8.2	8.2		
Azbil Corporation				