

Control Valve Data Sheet

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Item No. / Qty	1	1	Ref. No.			
Tag No.	R-PIC-751		Purchaser			
Service			End user			
			Project			
<Control valve>			<Remarks>			
Model	HCB		SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap SV0703-105 Indicating unit : "kgf/cm2" SV0201-002 Seat leakage: Less than 0.1%CV (Equivalent IEC, JIS Class III) SV0800-008 Material certificate maker original. Scope: valve body, bonnet, studbolt, nut SV0212 Cage plug with piston ring SV0003-001 Valve size indication: ' ' '			
Description	Pressure Balanced Cage Type Control Valves					
Body/Port size	4 in.	3 in.				
Conn. Size. / Rated CV		99				
Rating / Conn. Type	ANSI300	RF				
Body material	SCPH2					
Trim material	SCS24					
Flow characteristic	EQ%					
Bonnet	PLAIN (-17 to 230 degC)					
Actuator / Handle	HA4R	SIDE			Replacement of old product no R-98901-41-020	
Action	AIR TO OPEN					
Gland packing / Grease	P4519	650				
Gasket	V543,V8590F					
Air supply / Spring range	2.8kgf/cm2	0.8-2.4kgf/cm2				
Seat leakage	CLASS III					
Color: Body/Diaph./Yoke	7.5BG4/1.5	7.5BG4/1.5	7.5BG4/1.5			
Paint	Standard					
<Accessories>						
Positioner	AVP302-EBD2B-1DYN-X					
Structure	TIIS Flameproof w/ packing adaptor, 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	Fuel Gas			GAS		
	MAX	NOR	MIN	Unit		
Flow rate	35000	22108		m3/h(N)		
Inlet pressure	41.3			kgf/cm2G		
Outlet pressure	4.5			kgf/cm2G		
Differential press.	36.8			kgf/cm2		
Shut-off press.	41.3			kgf/cm2		
Temperature	38			degC		
Density/Gravity(Liq)				kg/m3		
Density/Gravity(G,V)	19.02			MW		
Viscosity				mPa-s		
Flash				%		
Calculated CV	54.17					
Travel	80			%		
Outlet velocity	0.6036			Mach		
Predictive SPL	113			dBA		
<Piping spec.>						
Strength Calc.Sheet						
Design Pressure				kPaG		
Design Temperature				degC		
Size						
Sch No.						
Thickness (mm)						
Azbil Corporation						