

# Control Valve Data Sheet

Item No. / Qty	1	1	Ref. No.	
Tag No.	I/II-HV-3501		Purchaser	
Service			End user	
<Control valve>			<Remarks>	
Model	HTS		SV0703-101 Indicating unit : "psi"	
Description	Top-Guided Single Seated Control Valves		SV0601-001 Air piping Connection: 1/4 NPT	
Body/Port size	2-1/2 in.	2-1/2 in.	SV0602-009 Air piping: Stainless steel (304ss) tube. Joint: Double-bite Joint.(316ss)	
Conn. Size. / Rated CV			SV0801-E01 Material certificate in English. Scope: valve body and bonnet	
Rating / Conn. Type	DN100 NF PN16	RF	SV0005-002 Copper free for exposed to outside	
Body material	SCPH2		SV0201-003 Seat leakage: Less than 0.01%CV (Equivalent IEC, JIS Class IV)	
Trim material	SUS316		SV0104-412 Full-jacket for valve body and bonnet . Material: Carbon steel(SS400). Connection: NPT1/2 screw.	
Flow characteristic	EQ%			
Bonnet	PLAIN (-17 to 230 degC)			
Actuator / Handle	HA4R	---		
Action	AIR TO OPEN			
Gland packing / Grease	P4519			
Gasket	V543			
Air supply / Spring range	40psi	11-34psi		
Seat leakage	CLASS IV			
Color: Body/Diaph./Yoke	M10B5/10	M10B5/10	M10B5/10	
Paint	Corrosion resistant			
<Accessories>				
Positioner	HTP-1D			
Structure				
Input signal	3-15 psi			
Regulator	KZ03-2B-XX		1	Old Production No (1) : S-J3414-41-140 VST DN65/100x2-1/2" NF PN16 RF VA3R
Regulator2				Old Production No (2) : R-97143-41-010 HTS DN65/100x2-1/2" NF PN16 RF HA4R
Limit switch				Jacket : Steam Pressure(10K), Temperature(below 200degC)
Action				face to face dimension : 425mm requested
Solenoid valve				V93-7548-00/
Action / Power				
Booster				
Air lock valve				
<Process data>				
Fluid name/Phase	Soufre Liquide		LIQUID	
	MAX	NOR	MIN	Unit
Flow rate	14	11.7		m3/h
Inlet pressure	11.8	11.8		kgf/cm2G
Outlet pressure	11.4	11.4		kgf/cm2G
Differential press.	0.4	0.4		kgf/cm2
Shut-off press.	15.2			kgf/cm2
Temperature	135	135		degC
Density/Gravity(Liq)	1.791	1.791		water=1
Density/Gravity(G,V)				MW
Viscosity	8.83	7.8		cP
Flash				%
Calculated CV	34.58	28.9		
Travel	80	74		%
Inlet velocity	1.268	1.06		m/s
Predictive SPL	53	52		dBA
<Piping spec.>				
Strength Calc. Sheet				
Design				kgf/cm2G
Temp.				degC
Size				
Sch No.				
Thickness				
<b>Azbil Corporation</b>				