

# Control Valve Data Sheet

Item No. / Qty	1	1	Ref. No.	
Tag No.	CV-1		Purchaser	
Service			End user	
			Project	
<b>&lt;Control valve&gt;</b>			<b>&lt;Remarks&gt;</b>	
Model	HTS		SV0703-105 Indicating unit : "kgf/cm2"	
Description	Top-Guided Single Seated Control Valves		SV0202-100 Range ability: 100:1	
Body/Port size	1-1/2 in.	CV=34	SV0201-003 Seat leakage: Less than 0.01%CV (Equivalent IEC, JIS Class IV)	
Conn. Size. / Rated CV			SV0814-011 Ship classification(NK): Hydrostatic test	
Rating / Conn. Type	JIS20K	RF	SV0801-E01 Material certificate in English. Scope: valve body and bonnet	
Body material	SCPH2		HEP17 POSITIONER : REVERSE ACTION	
Trim material	SUS440C		Old Production No : R-63524-41-010(1993)	
Flow characteristic	EQ%		V93-7721-00/1	
Bonnet	PLAIN (-17 to 230 degC)			
Actuator / Handle	HA2D	TOP		
Action	AIR TO CLOSE			
Gland packing / Grease	V-PTFE	---		
Gasket	V543			
Air supply / Spring range	4.0kgf/cm2	0.8-2.4kgf/cm2		
Seat leakage	CLASS IV			
Color: Body/Diaph./Yoke	M10B5/10	M10B5/10	M10B5/10	
Paint	Standard			
<b>&lt;Accessories&gt;</b>				
Positioner	HEP17-13BLDY6RGSD-D1-X			
Structure	Water-proof			
Input signal	4-20 mADC			
Regulator	KZ03-2A-XX			
Regulator2				
Limit switch				
Action				
Solenoid valve				
Action / Power				
Booster				
Air lock valve	IL201-02	4.0kgf/cm2	1	
<b>&lt;Process data&gt;</b>				
Fluid name/Phase	FEED WATER			LIQUID
	MAX	NOR	MIN	Unit
Flow rate	45.7		1.12	m3/h
Inlet pressure	24		22	kgf/cm2G
Outlet pressure	21		8	kgf/cm2G
Differential press.	3		14	kgf/cm2
Shut-off press.	27			kgf/cm2
Temperature	60		60	degC
Density/Gravity(Liq)	0.984		0.984	water=1
Density/Gravity(G,V)				MW
Viscosity				mPa-s
Flash				%
Calculated CV	30.55		0.3466	
Travel				%
Inlet velocity	11.5		0.2818	m/s
Predictive SPL	63		54	dBA
<b>&lt;Piping spec.&gt;</b>				
Strength Calc. Sheet				
Design				kgf/cm2G
Temp.				degC
Size				
Sch No.				
Thickness				
<b>Azbil Corporation</b>				