

Item No. / Qty	1		1		Ref. No.	
Tag No.	FICA-7				Purchaser	
Service					End user	
<Control valve>					Project	
					<Remarks>	
Model	HTS				SV0703-105 Indicating unit : "kgf/cm2"	
Description	Top-Guided Single Seated Control Valves				SV0601-001 Air piping Connection: 1/4 NPT	
Body/Port size	6 in.		5 in.		SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap	
Conn. Size. / Rated CV			275		SV0005-002 Copper free for exposed to outside	
Rating / Conn. Type	ANSI400		M&F(F)		SV0210 High shut-off pressure trim for Model HTS	
Body material	SCPH2				SV0507 Actuator yoke material: SCPH2 or WCB	
Trim material	SUS316 STELLITE				SV0801-E02 Material certificate in English. Scope: valve body, bonnet, plug, seat ring (cage) and stem	
Flow characteristic	EQ%				SV0603-002 Air-fail-Open system with 120L tank	
Bonnet	PLAIN (-17 to 230 degC)				SV0201-003 Seat leakage: Less than 0.01%CV (Equivalent IEC, JIS Class IV)	
Actuator / Handle	DAP1000		SIDE			
Action	AIR TO CLOSE					
Gland packing / Grease	V-PTFE					
Gasket	V543					
Air supply / Spring range	6.0kgf/cm2		---			
Seat leakage	CLASS IV					
Color: Body/Diaph./Yoke	SILVER		SILVER		SILVER	
Paint	Corrosion Resistant					
<Accessories>						
Positioner	VPP03-1					
Structure						
Input signal	0.2-1.0 kgf/cm2					
Regulator	ARU3AS-03-8N-LT-5-G-BR-G450		3			
Regulator2						
Limit switch	VCX7001		1			
Action	Full Open on					
Solenoid valve						
Action / Power						
Booster						
Air lock valve						
Air valve	AR2031-H-L		2			
<Process data>						
Fluid name/Phase	Synthesis Gas			GAS		
	MAX	NOR	MIN	Unit		
Flow rate	117000			m3/h(N)		
Inlet pressure	50.1			kgf/cm2G		
Outlet pressure	26.6			kgf/cm2G		
Differential press.	23.5			kgf/cm2		
Shut-off press.	30			kgf/cm2		
Temperature	140			degC		
Density/Gravity(Liq)				kg/m3		
Density/Gravity(G,V)	8.69			MW		
Viscosity				mPa-s		
Flash				%		
Calculated CV	123.3					
Travel	65			%		
Outlet velocity	0.1399			Mach		
Predictive SPL	105			dBA		
<Piping spec.>						
Strength Calc. Sheet						
Design					kgf/cm2G	
Temp.					degC	
Size					6 in.	6 in.
Sch No.					40	40
Thickness					7.1	7.1
Yamatake Corporation						