

Item No. / Qty	1		2		Ref. No.	
Tag No.	LV-3203/6203				Purchaser	
Service					End user	
<Control valve>					Project	
					<Remarks>	
Model	HPC				SV0703-105 Indicating unit : "kgf/cm2"	
Description	Pressure Balanced High Pressure Cage Type Control Valves				SV0601-001 Air piping Connection: 1/4 NPT	
Body/Port size	3 in.		2 in.		SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap	
Conn. Size. / Rated CV			52		SV0801-E02 Material certificate in English. Scope: valve body, bonnet, plug, seat ring (cage) and stem	
Rating / Conn. Type	ANSI900		RJ		SV0201-002 Seat leakage: Less than 0.1%CV (Equivalent IEC, JIS Class III)	
Body material	SCS13A				HART AVP SP No.2	
Trim material	PLUG,SEAT:SUS316FST/CAGE:SCS14				Old Production No : S-A06V4-41-010 (1989)	
Flow characteristic	EQ%				PLUG,SEAT:SUS316FST/CAGE:SCS14AST+AT	
Bonnet	EXT-1 (230 to 450 degC)					
Actuator / Handle	HA3R		---			
Action	AIR TO OPEN					
Gland packing / Grease	P6610CH+P6528		PS6			
Gasket	V543,V564(MONEL)					
Air supply / Spring range	4.0kgf/cm2		0.8-2.4kgf/cm2			
Seat leakage	CLASS III					
Color: Body/Diaph./Yoke	XXX		SILVER		SILVER	
Paint	Corrosion Resistant					
<Accessories>						
Positioner	AVP302-CSD3B-1DYT-X					
Structure	ATEX Flameproof, 1/4 NPT, M20x1.5					
Input signal	4-20 mADC					
Regulator	KZ03-2B-XX				1	
Regulator2						
Limit switch						
Action						
Solenoid valve						
Action / Power						
Booster						
Air lock valve						
<Process data>						
Fluid name/Phase	85K CONDENSATE			LIQUID		
	MAX	NOR	MIN	Unit		
Flow rate	25000	19117	1257	kg/h		
Inlet pressure	85	85	85	kgf/cm2G		
Outlet pressure				kgf/cm2G		
Differential press.	55	55	55	kgf/cm2		
Shut-off press.		94		kgf/cm2		
Temperature	299	299	299	degC		
Density/Gravity(Liq)	714	714	714	kg/m3		
Density/Gravity(G,V)				MW		
Viscosity	0.09	0.09	0.09	cP		
Flash				%		
Calculated CV	4.658	3.562	0.2342			
Travel	35	29		%		
Inlet velocity	2.844	2.175	0.143	m/s		
Predictive SPL	72	71	59	dBA		
<Piping spec.>						
Strength Calc. Sheet						
Design	94		kgf/cm2G			
Temp.					degC	
Size	4 in.		4 in.			
Sch No.						
Thickness						
Yamatake Corporation						