azbil

Control Valve Data Sheet

Item No. / Qty	1	1	
Tag No.	70-HV-491		
Service			

Ref. No.	
Purchaser	
End user	
Project	
Unit name	

<Control valve>

Model	HTS		
Description	Top-Guided Single Seated Control Valves		
Body/Port size (in.)	8	8	
Conn. Size. / Rated CV		640	
Rating / Conn. Type	ANSI300	RF	
Body material	A216WCB		
Trim material	SUS316 STELLITE		
Flow characteristic	EQ%		
Bonnet	EXT-1 (230 to 450 degC)		
Actuator / Handle	DAP1500	---	
Action	AIR TO OPEN		
Gland packing / Grease	P6610CH+P6528	PS6	
Gasket	V543		
Air supply / Spring range	5.0kgf/cm2		
Seat leakage	CLASS IV		
Color: Body/Diaph./Yoke	SILVER	SILVER	SILVER
Paint	Heat Resistan		

<Accessories>

Positioner	VPP03-1		
Structure			
Input signal	0.2 1.0 kgf/cm2		
Regulator	KZ03-3B-1N	1	
Regulator2			
Limit switch			
Action			
Solenoid valve	8320A101/104-094-15T	1	
	EN: CONTROL DE: VALVE LOCK	AC100V 50Hz	
Booster			
Air lock valve	IL211-N02	1	
Action	1.5KGF/CM2		
Air valve			
Action			
Action			

<Process data>

Fluid name/Phase	STEAM			STEAM(FCI)
	MAX	NOR	MIN	Unit
Flow rate	45000			kg/h
Inlet pressure	16			kgf/cm2G
Outlet pressure	14			kgf/cm2G
Differential press.				kPa
Shut-off press.		16		kgf/cm2
Temperature	270			degC
Density/Gravity(Liq)				kg/m3
Density/Gravity(G,V)	7.037			kg/m3(A)
Viscosity	0.01856			mPa-s
Flash				%
Calculated CV	447.9			
Travel	89			%
Outlet velocity	0.1112			Mach
Predictive SPL	87			dBA

<Remarks>

SV0601-002 Air piping Connection: 1/4 NPT adapter

SV0201-003 Seat leakage: Less than 0.01%CV (Equivalent IEC, JIS Class IV)

SV0605 Air-fail-lock functioned

SV0703-105 Indicating unit : "kgf/cm2"

OLD PRODUCTION No.: R-5K129-41-030

Note 1: Cylindor type Actuator " DAP1500 has been offered instead of model "VP7" (Cylindor type).

Note 2 : ASCO make SOV "8320A101" has been offered instead of SKINNER make SOV "V54LB2075GF"

V93-6061-00 01

<Piping spec.>

Strength Calc. Sheet				
Design	Press.			kPaG
	Temp.			degC
Pipe		Up streem	Down streem	
	Size	8	8	inch
	Sch No.	40	40	
	Thickness	8.2	8.2	mm

Yamatake Corporation