Control Valve Data Sheet

Item No. / Qty	1	1
Tag No.		
Service		

Ref. No.	
Purchaser	
End user	Erdemir A.S.(Iren and Steel Company)
Project	

<Control valve>

Model	HTS		
Description	Top-Guided Single Seated Control Valves		
Body/Port size	1-1/2 in.	1-1/2 in.	
Conn. Size. / Rated CV		30	
Rating / Conn. Type	JIS10K	RF	
Body material	SCPH2		
Trim material	SUS316 STELLITE		
Flow characteristic	EQ%		
Bonnet	PLAIN (-17 to 230 degC)		
Actuator / Handle	HA2D	---	
Action	AIR TO CLOSE		
Gland packing / Grease	V-PTFE	---	
Gasket	V543(PTFE),V563(PTFE)		
Air supply / Spring range	1.6kgf/cm2	0.2-1.0kgf/cm2	
Seat leakage	CLASS IV		
Color: Body/Diaph./Yoke	M10B5/10	M10B5/10	M10B5/10
Paint	Standard		

<Accessories>

Positioner	HTP-1D	
Structure		
Input signal	0.2-1 kgf/cm2	
Regulator	KZ03-2A-XX	1
Regulator2		
Limit switch		
Action		
Solenoid valve		
Action / Power		
Booster		
Air lock valve		

<Process data>

Fluid name/Phase	ARGON			GAS
	MAX	NOR	MIN	Unit
Flow rate		800		m3/h(N)
Inlet pressure		3.4		kgf/cm2G
Outlet pressure				kgf/cm2G
Differential press.		0.05		kgf/cm2
Shut-off press.		4.6		kgf/cm2
Temperature		35		degC
Density/Gravity(Liq)				kg/m3
Density/Gravity(G,V)				MW
Viscosity				cP
Flash				%
Calculated CV				
Travel				%
Outlet velocity				Mach
Predictive SPL				dBA

<Remarks>

SV0703-105 Indicating unit : "kgf/cm2"

SV0001-001 Parts material 304ss: Bolts & nuts of valve body

SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap

SV0020-200 Oil free treatment for carbon steel body

SV0801-E01 Material certificate in English. Scope: valve body and bonnet

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

Old Production Number: R-1Y238-41-040 (1991)

<Piping spec.>

Strength Calc.Sheet		
Design Pressure	6.3	kgf/cm2G
Design Temperature		degC
Size		
Sch No.		
Thickness (mm)		

Azbil Corporation