azbil

Control Valve Data Sheet

Item No./Qty	1	1
Tag No.	24-FV-006	
Service		

Ref. No.
Purchaser YEU / YEU-1076
End user KRPC / Nigeria
Project/Unit

<Control valve>

Model	VDP		
Description	Top and Bottom-Guided Double Seated Control Valve		
Body/Port size (in.)	1-1/2		1-1/2
Conn. Size./Rated CV			30
Rating/Conn. Type	ANSI300		RF
Body material	A351CF8		
Trim material	SUS316 STELLITE		
Flow characteristic	EQ%(V)		
Bonnet	EXT (-50 to -20 degC)		
Actuator/Handle	HA3D		---
Action	AIR TO CLOSE		
Gland packing/Grease	NP4519		800
Gasket	V543		
Air supply/Spring range	2.55kgf/cm2	0.4-2.0kgf/cm2	
Seat leakage	CLASS II		
Color: Body/Diaph./Yoke	Non Painting	M10B5/10	M10B5/10
Paint	Standard		

<Accessories>

Positioner	HTP-1D	
Structure		
Input signal	0.2-1.0 kgf/cm2	
Regulator	KZ03-2A-XX	1
Regulator2		
Limit switch		
Action		
Solenoid valve		
Action		
Power		
Booster		
Air lock valve (setting)		

<Remarks>

SV0703-105 Indicating unit : "kgf/cm2"

SV0201-007 Seat leakage: Less than 0.5%CV (Equivalent IEC, JIS Class II)

SV0202-050 Range ability: 50:1

SV0601-001 Air piping Connection: 1/4 NPT

SV0602-001 Air piping: Vinyl covered copper tube. Joint: Ni plated double joint.

SV0801-E03 Material certificate in English. Scope: valve body, bonnet and tailpiece (bottom flange)

Exiting production No.: 416-8313-0700

<Process data>

Fluid name/Phase	SOLVENT			LIQUID(FCI)
	MAX	NOR	MIN	Unit
Flow rate	46			m3/h
Inlet pressure	22.67			kgf/cm2A
Outlet pressure				kgf/cm2A
Differential press.	14.9			kgf/cm2
Shut-off press.		40		kgf/cm2
Temperature	-21			degC
Density/Gravity(Liq)	0.874			water=1
Density/Gravity(G,V)				MW
Viscosity				mPa-s
Flash				%
Calculated CV	13			
Travel	62			%
Inlet velocity	11.58			m/s
Predictive SPL	70			dBA

<Strength calc. sheet>

/Calc. Sheet

<Piping>

Design press.	kgf/cm2G
Design temp.	degC
Size(in.) Up/Dwn	
Sch No.	
Thickness (mm)	

Yamatake Corporation