azbil

Control Valve Data Sheet

Item No. / Qty	1	1
Tag No.		
Service		

Ref. No.
Purchaser
End user
Project
Unit name

<Control valve>

Model	VFR		
Description	FloWing Eccentric Rotary Control Valve		
Body/Port size (in.)	4	100%	
Conn. Size. / Rated CV		250	
Rating / Conn. Type	JIS10K	WAFER	
Body material	SCPH2		
Trim material	SCS24/SUS316+SOFT SEAT		
Flow characteristic	LINEAR APPROX.		
Bonnet	PLAIN (-29 to 230 degC)		
Actuator / Handle	RSA2R	BOTTOM	
Action	AIR TO OPEN		
Gland packing / Grease	NP4519	---	
Gasket	---		
Air supply / Spring range	4.0KGF/CM2	0.8 - 2.4KGF/CM2	
Seat leakage	CLASS VI		
Color: Body/Diaph./Yoke	M10B5/10	M10B5/10	M10B5/10
Paint	Standard		

<Accessories>

Positioner	AVP300-XSD3B-1DYS-X		
Structure	Water-proof, Rc 1/4, G1/2		
Input signal	4-20 mADC		
Regulator	KZ03-2A-XX		1
Regulator2			
Limit switch			
Action			
Solenoid valve	J320G174/104-094-15A		1
Action / Power	En: Control, De: Close		AC110V 60Hz
Booster			
Air lock valve	IL201-02		1
Action	4.0KGF/CM2		
Action			
Action			

<Process data>

Fluid name/Phase	WATER		WATER	
	MAX	NOR	MIN	Unit
Flow rate				m3/h
Inlet pressure				kgf/cm2G
Outlet pressure				kgf/cm2G
Differential press.				kgf/cm2
Shut-off press.		20		kgf/cm2
Temperature	20			degC
Density/Gravity(Liq)				kg/m3
Density/Gravity(G,V)				MW
Viscosity				mPa-s
Flash				%
Calculated CV				
Travel				%
Inlet velocity				m/s
Predictive SPL				dBA

<Remarks>

SV0801-E07 Material certificate in English. Scope: valve body, plug and seat-ring
SV0201-008 Seat leakage: IEC, JIS Class VI
SV0512-601 Actuator mounting position No.601 for VFR (VPR, HEP, SVP positioner installed outdoors)
SV0013-001 Bolts & nuts material for piping: 304ss
The old production no. was R31395-41-010

<Piping spec.>

Strength Calc. Sheet

Design	Press.			kPaG
	Temp.			degC
Pipe		Up streem	Down streem	
	Size			inch
	Sch No.			
	Thickness			mm

Yamatake Corporation

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