azbil

Control Valve Data Sheet

Item No. / Qty	1	1
Tag No.	P0701FV (reference)	
Service		

<Control valve>

Model	AGVB	
Description	Top-Guided Single-Seat Control Valves	
Body/Port size (in.)	2	2
Conn. Size. / Rated CV		50
Rating / Conn. Type	ANSI150	RF
Body material	A216WCB	
Trim material	SUS316 STELLITE	
Flow characteristic	EQ%	
Bonnet	PLAIN (-17 to 230 degC)	
Actuator / Handle	PSA1R	---
Action	AIR TO OPEN	
Gland packing / Grease	NP4519	---
Gasket	V543(PTFE)	
Air supply / Spring range	2.7bar	0.8-2.4bar
Seat leakage	CLASS IV	
Color: Body/Diaph./Yoke	SILVER	7.5R4/14.5 SILVER
Paint	Standard	

<Accessories>

Positioner	AVP300-CSD2D-1DYS-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		
Unit name		
Booster		
Air lock valve		

<Process data>

Fluid name/Phase	CTW			LIQUID
	MAX	NOR	MIN	Unit
Flow rate	20		10	m3/h
Inlet pressure	3.5		3.5	barG
Outlet pressure				barG
Differential press.	1.0		1.2	bar
Shut-off press.		5		bar
Temperature	40		40	degC
Density/Gravity(Liq)	990		990	kg/m3
Density/Gravity(G,V)				MW
Viscosity	0.660		0.660	mPa-s
Flash				%
Calculated CV	23.01		10.5	
Travel	71		54	%
Inlet velocity	2.831		1.415	m/s
Predictive SPL	56		54	dBA

Ref. No.	YEU-1131 Rev0
Purchaser	YEU
End user	Nippon Gohsei
Project	

<Remarks>

SV0703-102 Indicating unit : "bar"

SV0601-001 Air piping Connection: 1/4 NPT

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

SV0101-001 Flange facing finish : 125AARH

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)

SV0501-201 Actuator and bonnet mounting position No.2

Ref. No.: R-9YM88-41-110

HPG

Strength Calc. She

<Piping spec.>

Design	5	barG
Temp.	50	degC
Size	2	2
Sch No.	40	40
Thickness	3.9	3.9

Yamatake Corporation