

Item No. / Qty 1 1
 Tag No. P0701FV
 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

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

<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	30	28	10	m3/h
Inlet pressure	3.5	3.5	3.5	barG
Outlet pressure				barG
Differential press.	1.0	1.2	1.2	bar
Shut-off press.		5		bar
Temperature	40	40	40	degC
Density/Gravity(Liq)	990	990	990	kg/m3
Density/Gravity(G,V)				MW
Viscosity	0.660	0.660	0.660	mPa-s
Flash				%
Calculated CV	34.51	29.4	10.5	
Travel	79	76	54	%
Inlet velocity	4.246	3.963	1.415	m/s
Predictive SPL	58	58	54	dBa

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