Control Valve Data Sheet

Item No. / Qty	1	1
Tag No.		
Service	Primary Wash Tank	

Ref. No.	AEU-15-517	
Purchaser	AEU	
End user	Kazakhstan	
Project		

<Control valve>

Model	AGVB-Electric		
Description	Electric Top-Guided Single-Seat Control Valves		
Body/Port size	2 in.	2 in.	
Conn. Size. / Rated CV	---	50	
Rating / Conn. Type	JIS10K	RF	
Body material	SCPH2		
Trim material	SUS316 STELLITE		
Flow characteristic	EQ%		
Bonnet	PLAIN (-17 to 230 degC)		
Actuator / Handle	EA1(Proportional)	TOP	
Action	SIGNAL TO OPEN (FAIL CLOSE)		
Gland packing / Grease	P4519	---	
Gasket	V543(PTFE)		
Air supply / Spring range	AC230V	4-20 mADC	
Seat leakage	CLASS IV		
Color: Body/Diaph./Yoke	M10B5/10	M10B5/10	M10B5/10
Paint	Standard(act)/ Heat(body) resist. Paint		

<Remarks>

SV0201-003 Seat leakage: Less than 0.01%CV (Equivalent IEC, JIS Class IV)
SVB008-003 HEAT-RESIST. PAINT(BODY)/STANDARD PAINT(ACT.)
Old production NO.:R-YFLP7-41-011

<Accessories>

Positioner			
Structure			
Input signal			
Regulator			
Regulator2			
Limit switch			
Action			
Solenoid valve			
Action / Power			
Booster			
Air lock valve			

<Process data>

Fluid name/Phase	Steam			STEAM
	MAX	NOR	MIN	Unit
Flow rate	1			t/h
Inlet pressure	0.5			MPaG
Outlet pressure				MPaG
Differential press.				MPa
Shut-off press.	0.5			MPa
Temperature	152			degC
Density/Gravity(Liq)				kg/m3
Density/Gravity(G,V)	3.175			kg/m3(A)
Viscosity	0.01444			mPa-s
Flash				%
Calculated CV				
Travel				%
Outlet velocity				Mach
Predictive SPL				dBA

<Piping spec.>

Strength Calc.Sheet		
Design Pressure		MPaG
Design Temperature		degC
Size	2 in.	2 in.
Sch No.	40	40
Thickness (mm)	3.9	3.9

Azbil Corporation

Control Valve Data Sheet

Item No. / Qty	2	1
Tag No.		
Service		

Ref. No.	AEU-15-517	
Purchaser	AEU	
End user	Kazakhstan	
Project		

<Control valve>

Model	AGVB-Electric		
Description	Electric Top-Guided Single-Seat Control Valves		
Body/Port size	1 in.	Cv=14	
Conn. Size. / Rated CV		14	
Rating / Conn. Type	JIS10K	RF	
Body material	SCPH2		
Trim material	SUS316 STELLITE		
Flow characteristic	EQ%		
Bonnet	PLAIN (-17 to 230 degC)		
Actuator / Handle	EA1(Proportional)	TOP	
Action	SIGNAL TO OPEN (FAIL CLOSE)		
Gland packing / Grease	P4519		
Gasket	V543(PTFE)		
Air supply / Spring range	AC230V	4-20 mADC	
Seat leakage	CLASS IV		
Color: Body/Diaph./Yoke	M10B5/10	M10B5/10	M10B5/10
Paint	Standard(act)/ Heat(body) resist. Paint		

<Accessories>

Positioner			
Structure			
Input signal			
Regulator			
Regulator2			
Limit switch			
Action			
Solenoid valve			
Action / Power			
Booster			
Air lock valve			

<Process data>

Fluid name/Phase	STEAM			STEAM
	MAX	NOR	MIN	Unit
Flow rate	250			kg/h
Inlet pressure	0.2			MPaG
Outlet pressure				MPaG
Differential press.				MPa
Shut-off press.	0.2			MPa
Temperature	134			degC
Density/Gravity(Liq)				kg/m3
Density/Gravity(G,V)	1.657			kg/m3(A)
Viscosity	0.01351			mPa-s
Flash				%
Calculated CV				
Travel				%
Outlet velocity				Mach
Predictive SPL				dBA

<Remarks>

SV0201-003 Seat leakage: Less than 0.01%CV (Equivalent IEC, JIS Class IV)
SVB008-003 HEAT-RESIST. PAINT(BODY)/STANDARD PAINT(ACT.)
Old production NO.:R-YFLP-41-031

<Piping spec.>

Strength Calc.Sheet		
Design Pressure		MPaG
Design Temperature		degC
Size	1 in.	1 in.
Sch No.	40	40
Thickness (mm)	3.4	3.4

Azbil Corporation