SPECIFICATION	PROJECT THIRD PAY ZONE DEVELOPMENT
CONTROL VALVES	PROJECT
	(ZUBAIR/MISHRIF STATION)

1. Environment — Ambient Temp. -5~55℃; Tropicalization / Sand Storm.
2. Power Supply — Air : 4.5 ~ 7kg / cm²G; Elec.: 24 V D.C.
3. Enclosure — Pneu. Apparatus : Weather - Proof; Elec Apparatus : Exp.-Proof(JIS d₂G.)or Eq.
4. Connection — Air : Thread ☐ JIS PT(F) ☒ ANSI B2.1; Size Sig. Input ☐ Nom.1/4in. ☒ 1/4 NPT; Supply ☐ MFR Sizing ☐; Other ☐ MFR Sizing ☐; Elec.: 1/2" NPT
5. Tubing — PVC Jacketed Copper Tube; O.D. 6mm/1.0mm Wall thickness
6. Flow Arrow — On valve body to be marked a flow direction indicating arrow.
7. Lift Ind — Manufacture Standard
8. Option — ☐ Bolts, Nuts & Screws Stainless Steel; ☐
9. Name Plate — Mtl.: ☒ Stainless Steel ☐; Inscription: Tag No., Body/Trim Materials, Lift, Fail Action, Body/Port Size, Spring Range, Characteristic, Actuator Size, Model No., Serial No., MFR Name, etc.
10. Finish — Paint : MFR STD; Color : 2.5YR 6.4/2.4; Valve Body : Soil Color; Actuator : Soil Color
11. The Finish of Contact face of ANSI 150# Flange Shall be Serrated.
12. Material Shall be in accordance with ASTM or Equivalent
13. Pressure Gages for Positioner Shall be Installed 50mm DIA. Gage.

Revision Letter												
Tag No.		Required No.			FCV-1681		1					
Application					P-685A/B/C Discharge							
Max.Allow.SPL(dBA)	Downstream Size & Thick (mm)				85	6" / 7.11						
Fluid Data	Fluid & State				Salt Water							
	Viscosity, Flush, K=Z/Zn, Cp/Cv				Visc.(CP)	0.63						
	Superheat, Solids, etc.											
	Flow : Nor.(Fn)	Max.(Fm)	Min.(m³/H)		92	92	18.4					
	Inlet Press.at: Min	Fm	(kg/cm²G)		43.07	42.62						
	Temperature at Fmin/Fmax	Decrease	(℃)		30	70.0						
	ΔP at: Min	Fm	Max.Shut-off(kg/cm²)		0.87	0.23	88.5					
	Cv at: Min	Fm	Selected		24.8	240.9	360					
	Opr.Sp.Gr. Fmin/Fmax		Full-stroke Time less than (sec.)		1.152							
	Vapor Pres.	Critical Press.			235.5 mmHg	218.4 mm						
Body	Type				Globe							
	Flow tends to	Plug Form & Charact.			Open	P/S Eq.%						
	Body Size	Port Size (inches)			6"	6						
	Bonnet Type	Req'd Seat Tightness			Std.	Class IV						
	Body Rating				ANSI 300#							
	Connection Size & Rating				6" ANSI 300# RF							
	Guiding				Top							
	Mtls.: Body	Packing			A216-WCB	Note 1)						
	Seat	Plug			SUS316 ST	SUS316 ST						
	Stem	Guide			SUS316	SUS440C						
	Model No. ◇				HTS							
Actuator	Type				Cylinder							
	Signal: Close at	Open at (kg/cm²G)										
	Handwheel & Locat.	Fail Action			—	Close						
	Model No. ◇				DAP1500X							
Positioner	Sig Range: Input	Output (kg/cm²G)			0.2 ~ 1.0							
	Direct or Reverse Action	By-pass			Direct	None						
	Model No. ◇				VP03							
Options	Filt. Reg.	Supply Gage	Lubricator		yes	yes	yes					
	Volume Tank				yes							

Notes 1) Glass Teflon ◇

APPR					CONTROL VALVES
CHKD					MFR NAME YAMATAKE-HONEYWELL
MADE					SPEC. NO.
DATE	REMARKS ON REVISIONS	BY	DATE	LETTER	SHEET NO. 3 cont'd on SHEET NO. 4

G-11L01601

357