

CONTROL VALVE DATA SHEET													
	PROJECT				UNIT		DATA SHEET		1 OF 1				
	CUSTOMER						SPEC						
	P.O.						TAG #						
	INQUIRY		REV		DATE		ITEM #		1				
	PROPOSAL		REV		DATE		QTY						
SERVICE						DWG							
1	SERVICE CONDITIONS	Fluid			Crit Press, Pc		kg/cm2A		Crit Temp, Tc		deg C		
2			Units	Minimum	Normal	Maximum							
3		Gas Volume Flow Rate											
4		Inlet Pressure											
5		Pressure Differential											
6		Inlet Temperature											
7		Molecular Weight											
8		Ratio of Specific Heat											
9		Compressibility Factor											
10		Flow Coefficient											
11		Travel											
12		Predicted SPL											
13	LINE	INLET			OUTLET								
14		Pipe Size / Sch	in.	2" / Sch 40	2" / Sch 40								
15	VALVE BODY / BONNET	Pipe Material			Carbon Steel		Carbon Steel						
16		Pipe Line Insulation			N/A								
17	VALVE BODY / BONNET	Valve Size			in.		2"						
18		Design Press			psiG		554.71						
19		Min/Max Design T			deg C		\ 212		\				
20		Rating(s)			ASME		300		300				
21		Connections			RF Flange		RF Flange						
22		End Extension			N/A		N/A						
23		End Material			N/A		N/A						
24		Body Type			Globe								
25		Mfr & Model			KOSO		&		550G				
26		Body/Bnt Mat'l			A216-WCB		/		A216-WCB				
27	Flow Direction			Flow to Open (FTO)									
28	Type of Bonnet			Bolted-Standard									
29	Lube & Iso Valve			No		Lube		No					
30	Pkg Type / Mat'l			Standard		/		Teflon					
31	VALVE TRIM	Type			Small drilled hole cage								
32		Number of Pressure Reducing Stages			1 stage								
33		Nominal Size / Travel			mm		31		/		25mm		
34		Characteristic			Modified Equal %								
35		Balanced/Unbalanced			Balanced								
36		Rated Cv			11		FL		0.94		XT 0.74		
37		Plug / Ball /Disk Mat'l			SS 316 + Hcr + Stellite								
38		Seat Material			SS 316 + Stellite								
39		Cage / Stack / Guide Mat'l			SS 316								
40		Stem Material			SS 316								
41	SPECIAL/ACCESSORIES	Elect. Cert.			Zone 2, Gr.IIC , T6								
42		Position Feedback			N/A								
43		I-P Transducer			Inbuil with Positioner								
44		Solenoid Valve(s)			N/A								
45		1)3/8" SS 316 tubing and SS316 double compression type fittings.											
46		2) Stud bolt and Nuts Material - A193 B7/A194 2H											
47		3) Inspection and testing as per KOSO standard.											
48													
49													
50													
51	ACTUATOR	Type			Pneumatic Diaphragm								
52		Mfr & Model			KOSO		&		G75, Max Stk: 28				
53		Size			Spring Range		0.55-2.0						
54		Fail Pos / Pwr			Closed		/		Springs				
55		Supply Type			Pneumatic								
56	ACTUATOR	Supply Max / Min			kg/cm2G		4.1						
57		Actuator Orientation			Vertical Up								
58		Handwheel Type			N/A								
59		Shut-Off Pressure			psi		503.5						
60		Input Signal			4 to 20 mA								
61	POSITIONER	Type			Electro-Pneumatic								
62		Mfr & Model			ABB		&		V18345 Series				
63		Increasing Signal			To open the Valve								
64		Gauges			Yes		Bypass		No				
65		Cam Characteristics			Linear								
66	POSITIONER	Intrinsically safe, Enclosure - Aluminium											
67		Type			N/A		Quantity						
68		Mfr & Model			N/A		&						
69		Rating / Contact			N/A		/		N/A				
70		Actuation Points			N/A		/		N/A				
71	SWITCHES												
72		Mfr & Model			KOSO		&		PRS Series				
73		Set Pressure			kg/cm2G		4.1						
74		Filter			5μ		Gauges		Yes				
75		Port size - 1/4"NPT, MOC- Aluminium											
76	AIRSET	Hydro Press.			ISA-S75.19.01								
77		Seat Leakage			ANSI/FCI Class IV								
78		Open Time(s)			10 Sec								
79		Close Time(s)			10 Sec								
80													
81	TESTS												
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													