



**CONTROL VALVE DATASHEET**

CUSTOMER	M/s. Yamatake Corporation	DATA SHEET	1	OF	1
PROJECT		UNIT		SPEC	
P.O.		TAG #	AV-165		
INQUIRY	e mail	REV	DATE	28/01/2010	ITEM #
PROPOSAL	KFC/MKT/QTN-1112	REV	DATE		QTY
SERVICE	Air Operated valve				DWG

1 2 3 4 5 6 7 8 9 10 11 12	SERVICE CONDITIONS	Fluid	Units	Crit Press, Pc	Cond.1	Cond.2	Cond.3	Crit Temp, Tc	deg C	
		Mass Flow Rate	m3/hr							
		Inlet Pressure	barG							
		Outlet Pressure	barG							
		Inlet Temperature	deg C	4						
		Molecular Weight								
		Viscosity	cpoise							
		Vapor Pressure	MPaG							
		Flow Coefficient	Cv							
		Opening	%							
		Predicted SPL	dBA							
		Number of Stages Needed								
13 14 15	LINE		INLET	OUTLET						
		Pipe Size / Sch	in.							
		Pipe Material								
16		Pipe Line Insulation	N/A							
17 18 19 20 21 22 23 24 25 26 27 28 29	VALVE BODY / BONNET	Valve Size	in.	10	10					
		Design Press	kg/cm2A	12.0						
		Design Temp	deg C							
		Rating(s)	ASME	300#	300#					
		Connections		RF Flange	RF Flange					
		End Extension		N/A	N/A					
		End Material								
		Body Type		Ball						
		Mfr & Model		KOSO	301K					
		Body/Bnt Mat'l		A 352LCB	A 352LCB					
		Flow Direction		Both Side						
		Type of Bonnet		Integral-Standard						
Lube & Iso Valve		No	N/A							
Pkg Type / Mat'l		Standard	Teflon							
30 31 32 33 34 35 36 37 38 39 40	VALVE TRIM	Type		Trunion Guided						
		Number of Pressure Reducing Stages			NA					
		Nominal Size ( Inches )		8						
		Characteristic		On-Off						
		Plug Type		N/A						
		Rated Cv	3900	FL	Xt	0				
		Plug/ Ball Mat'l		SS316+Buffing						
		Seat Material		Reinforced Teflon						
		Bearing Mat'l		SS 316+HCr						
		Stem Material		SUS630+HT						
41 42 43 44 45 46 47 48 49 50	SPECIALS / ACCESSORIES	Elect. Cert.		-						
		Position Feedback		-						
		I-P Transducer		-						
		Solenoid Valve(s)		-						
		Quick exhaust Valve		No						
		Tubing		SS tubing						
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81	ACTUATOR	Type		Spring Return						
		Mfr & Model		KOSO	&	6528RA				
		Size			Eff Area	280mm				
		Fail Pos / Supply		Closed	/	4 Kg/cm2				
		Bench Range								
		Supply Max / Min		kg/cm2G	7.0	/	4.0			
	Solenoid Valve	Actuator Orientation		Vertical Up						
		Handwheel Type		Top Mounted-Side Access						
		Shut-Off Pressure		Kg/cm2 (A)	12					
		Input Signal								
		Type		3/2 Way						
		Mfr & Model		ASCO	&	NA8307C68U				
SWITCHES	Body Mat'l		SS							
	Supply		110 VDC	Orifice	9 mm					
	Ex protection		Flame Proof to IIC Gas group							
	Type		Proximity	Quantity	2 Nos					
	Mfr & Model		N/A	&	NJ-5-18GMN					
	Rating / Contact		/		N/A					
AIRSET	Actuation Points		N/A	/	N/A					
	Mfr & Model		Shavo Norgren	&	11-4SN-401					
	Set Pressure		kPaG							
	Filter		Yes	Gauge	Yes					
	Hydro Press.		barG							
	Seat Leakage		ASME Class VI							
TESTS	Open Time		20 Sec							
	Close Time		20 Sec							
	Face To Face Distance		457mm							
Rev	Date	Description	Orig	App						

