

CUSTOMER YAMATAKE CORPORATION	Date	03/Feb/06
	Approved	TA
	Checked	HA
	Prepared	KT

PROJECT NAME	SAUDI ARABIAN OIL COMPANY
INQUIRY NO	
JOB NUMBER	

SERVICE	
TAG NUMBER	WP-PICV-104
MODEL NO	302A

QUANTITY	1
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BODY	Flange Accommodation	ANSI 150LB	ACCESSORIES	POS	Model no.	AVP300 (FREE ISSUED BY YAMATAKE)
	Body Style	WAFER		Input signal	4-20mA	
	Body Size	20"		Signal increase	CLOSE	
	Rated Cv	11705 (90 deg. Open)		Electric conn.		
	Characteristic	CONTROL (BUTTERFLY)		Area class	IP65	
	Leakage Rate	API 598 7TH EDITION		LS	Model no.	
	Flange Face Finish	SMOOTH		Position		
	Setting Bolt Holes	DRILLED		Electric conn.		
	Bonnet	STANDARD		Area class		
Flow Direction	UNI-DIRECTION	SOV	Model no.			

BODY MATERIAL	Body	A351 CF3M	ACCESSORIES	Energized	
	Disc	A351 CF3M		De-energized	
	Shaft	INCONEL X750		Voltage	
	Seat Ring	316LSS		Coil class	
			Electric conn.		
			Material		
			Area class		
			FR	Model no.	KZ-03 (FREE ISSUED BY YAMATAKE)
			Pressure gauge	YES	
			Pressure Unit	BarG	
			Air connection		

ACTUATOR	Type	SPRING RETURN CYLINDER	ACCESSORIES		
	Model No	TG-20S			
	Air Fail Action	OPEN			
	Supply Pressure	4-9 BarG			
	Actuator Orientation	STD			
	Handwheel	YES			

Fluid Name	CHLORIDE	Piping Bolts & Nuts	NO
Line size/sch./Class		Flange Gasket	NO

PROCESS DATA	Case	Maximum	Normal	Minimum	ADDITIONAL REQUIREMENTS	AIR TUBE	Material	STAINLESS STEEL
	Flow rate					Fitting	STAINLESS STEEL	
	In. Press					Connection	PT	
	Out. Press					Radiographic Testing (RT)	NO	
	Dif. Press					Dye penetration Testing (PT)	NO	
	Temp. deg-C					Magnetic Particle Testing (MT)	NO	
	Density MW					Ultra Sonic Testing (UT)	NO	
	Cal. Cv					Impact Testing	NO	
	Valve opening degree					Alloy Verification (PMI)	NO	
	Velocity m/s					NACE	NO	
	Cavitation					High Pressure Gas Approval	NO	
	Noise dBA					Water Free Treatment	NO	
	Design pressure		8 BarG			Oil Free Treatment	NO	
	Design temperature		70 deg.C			Fire Safe	NO	
	Shut off pressure		8 BarG			High Cycle Duty	NO	

INSPECTION STANDARD	API 598-7TH EDITION	ADDITIONAL REQUIREMENTS	Material Certification	YES (Body, Disc and Shaft)
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TEST PRESS.	BODY (Hydro.)	1.2 MPaG	PAINTING	BODY	Mfr STD
	BODY (Air)	- MPaG		ACTUATOR	Mfr STD
	SEAT (Hydro.)	- MPaG		BRACKET	Mfr STD
	SEAT (Air)	0.88 MPaG		HANDWHEEL	-

TQ (Sizing press.)	OPENING	Nm
"	SEATING	Nm

NOTE

GA DRAWING NO	
AIR CIRCUIT DRAW NO	
TOMOE REF NO	0601-14-0479