

VALVE AND OPERATOR DATA SHEET

		PROJECT: CUSTOMER: CUSTOMER JOB NO: ACES JOB NO: LOCATION:		SHEET: 1 OF 1					
				VALVE AND ACTUATOR					
				SPEC. NO. GOV-FLGS-1		DATE: 12/09/22			
				NO.	BY	DATE	REV	CONTRACT:	DATE:
					DC	12/09/2022	0		
				REQ		P.O.			
				BY		CHK'D	APPR.		
				DC		SW	NMM		
PROCESS									
FLUID	NATURAL GAS		OPERATING PRESS	400-1100 PSIG		OPERATING TEMP	40° - 170°F		
MAX DIFF PRESS	1100 PSIG		DESIGN MAX PRESSURE	1100 PSIG		DESIGN TEMP	-20° / 170°F		
VALVE (EXISTING)									
MANUFACTURER	DANIEL			MODEL NUMBER	M303 (S/N - L-5746-02-02)				
TYPE	GATE	SIZE	12 "	ANSI RATING	600 LB				
END CONNECTION	RF	BORE	FULL PORT	TYPE SERVICE	OFF/ON				
FIRE SAFE	N/A	BLOCK & BLEED	YES	LUBRICATOR	YES				
SHUTOFF CLASS	BUBBLE TIGHT	CERT. STANDARD	API 6D	OPTIONS	NA				
ACTUATOR									
MANUFACTURER	SHAHER (OR APPROVED EQUIVALENT)			MODEL NUMBER	BY VENDOR				
SIZE	BY VENDOR		FAIL POSITION	LAST	GAS SUPPLY	400-1100 PSIG (NAT. GAS)			
SIZING FACTOR	1.25		OPTIONS	SEE ACTUATOR SPECIFICATIONS (NOTE 4-8)					
CONFIGURATION	PER [REDACTED] TYPE 5 ACTUATOR SCHEMATIC								
LIMIT SWITCHES OPEN / CLOSE									
MANUFACTURER	TOPWORX DXP (OR EQUIVALENT)			MODEL NUMBER	BY VENDOR				
QUANTITY	4		RATING	24VDC	TYPE	MAGNETIC			
ELECTRICAL CLASS	CLASS 1 DIV 1		HEATER	NO	DRAIN/VENT	NA			
TAG NUMBERS									
	VALVE	SOLENOID (OPEN)	SOLENOID (CLOSE)	LIMIT SWITCH (OPEN)	LIMIT SWITCH (CLOSE)				
1	GOV-FLGS-1	EVO-FLGS-1	EVC-FLGS-1	ZSO-FLGS-1	ZSC-FLGS-1				
2									
3									
4									
5									
6									
7									
NOTES									
1	MANUFACTURE TO BE PER APPROVED MANUFACTURES LIST								
2									
3									
4	VENDOR TO PROVIDE TORQUE/THRUST VALUES VALVE AND ACTUATOR								
5	ACTUATORS TO MEET [REDACTED] PIPELINES SPECIFICATION [REDACTED] GAS ACTUATED VALVE OPERATORS.								
6	VENDOR TO PROVIDE VALVE OPERATION SCHEMATIC WITH PROPOSAL.								
7	ACTUATORS TO INCLUDE PANEL MOUNTED TO ACTUATOR WITH ALL CONTROLS.								
8	VENDOR TO PROVIDE VALVE CONTROL PANEL LAYOUT DRAWING AFTER RECEIPT OF PURCHASE ORDER.								
9	ACTUATOR PER [REDACTED] STANDARD TYPE 5, TWO WAY ELECTRIC, REMOTE OPEN/CLOSE, FAIL LAST								