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Security Descriptor:

Z01 As Built (No Change)

C01 Issued for Purchase

Description

B01 Issued for Bid

A01 Issued for IDC

Rev

Project Internal

Mad Dog Phase 2 Project





INSTRUMENT DATASHEET

Pressure Regulator

M2-PCV -61200101

part.

DHP

DE

DE

DE

Ву

m	. 11	
	ļ	
DJK	YHJ	
RS	DR/SK	
RS	DR/SK	
RS	DR/SK	
Chkd	Appr	Client Endorser

Sector Code: 20 System Code: 61

2021-08-13

2018-01-10

2017-09-26

2017-09-01

Date

Document Number & Revision M2-PCV -61200101-SP

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Project Document Number Rev.:

GM004-IC-DAT-241-03651 Z01

Uncontrolled when printed or stored locally

							h to DOV						
	1	Tag Number	M2-PCV -61200101										
	2	Service	FW JOCKEY PMP DSCH TO OB										
GENERAL	3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					GM004-PR-PID-010-00600-00 PBE-612001						
	4						4"-FW-6120089-X01TM						
	5						Cupro-nickel 90/10						
	6	Line Size			Line Schedule		4	in					
	7	Insulation		Thickn			0		in				
	8	Process Fluid	Phase		State	!	Sea Water	_	Single Ph				
	9						Units		laximum	Non	mal	Minimum	
	10	Flow Rate			AUS gal/min	250		100		25			
	11	Inlet Temperatu	°F	120		86		30					
	12	Inlet Pressure	psi-g			165							
		Vapour Pressu					psi-a			0.9492			
PROCESS	14	, ,	fic Gravity				_						
CONDITIONS	15	Viscosity		сР			0.82						
						T _		179		psi			
	17	Cv		Cs		Cg	30			_			
	18	Valve:		FI*		Km*				1			
			Max. Shutoff Delta P				165			psi			
		Delta P Allowat		Sizing			80	psi		80		psi	
				Relative Density		18							
	_	Quality %		% Solids					<u> </u>				
			T		3208			psi-g					
		Compressibility Sp Heat Ratio Cp / Cv				Cp / Cv							
	_	Trace Elements	3										
		Valve Type		Relief Regulator									
	27	Body Size		Port Siz				in		-		in	
	-	Number of Por		Guiding	<u> </u>	l = "	One		I=		1,		
			Size	Туре		Rating	4" in		Flanged		150	# FF	
DODY / TOUA		Body Material					Ni-Al-Bronze						
BODY / TRIM		Packing Materia	al										
		Seal Input					1						
							Anti Cavitation	1					
	34	Trim Material		MONEL									
	35												
		Required Seat	0.5										
	_	Max. Allowable	85 N/A										
	38 NACE Compliance 39 Type: Reducing / Relief Self / Pilot Operated							Relief Pilot					
						lodel Number*	UpStream			Pilot			
	41	Upstream / Dov	Орошеат										
	-	Supply to Pilot Self Cont.	No Yes										
ACTUATOR /	43	Diaphragm Mat	ino ites										
PILOT	44		psi-g										
I ILOT		Housing Vent C	pai-y										
		Spring Range*		Spring	Matoria		20-200	nc	i a				
		Set Point				l Number*	175		i-g				
		Failure Action (Open / Closed	Luali	JI IVIOUE	A TAUTHDEI	175	μS	i-g	-			
		Tubing Diamter		Tube 5	itting T	ype & Material	3/8 in	Swag	elok	2507			
	50	Regulator	G IVIAICHAI	Supply		•	5/0 111	oway	CIUN	2301			
OPTIONS	51	Internal Relief		Filter	Jauye	•	N/A			+			
	52	Manufacturer*				Cla-Val							
PURCHASE	53						50G-49KX						
TONOTIAGE		Purchase Orde	r Number										
	J 4	i uiciiase Olue	241IC017										

Notes: See notes

* information supplied by manufacturer unless already specified

			,		or armood amoually opposition				
						INSTRUMEN	IT DATSHEET		bp
Z01	2021-08-13	DHP	DJK	YHJ	As Built (No Change)	INTO THE BATTONIE I			
C01	2018-01-10	DE	RS	DR/SK	Issued for Purchase	Pressure Regulator			
B01	2017-09-26	DE	RS	DR/SK	Issued for Bid			LINGOS	
A01	2017-09-01	DE	RS	DR/SK	Issued for IDC			Sheet 2	of 3
No.	Date	Ву	Chkd	Appr	Description	Code: 9208	Dwg. No.: GM004	-IC-DAT-241-03651	Rev.: Z01

Tag Number: M2-PCV -61200101

- 1. PRESSURE REGULATORS AND ACCESSORIES SHALL BE FURNISHED AND COMPLETELY ASSEMBLED AND INTEGRATED PER REFERENCED P&ID
- 2. MATERALS SHALL BE EQUAL OR BETTER. VENDOR SHALL ENSURE FULL COMPATIBILITY (DESIGN, FLUID, NON-GALVANIC, FTC.)
- 3. FÚNCTION IS PRESSURE RELIEF TO ENSURE PUMP MINIMUM FLOW. ALSO, THE VENDOR-SELECTED PRESSURE REGULATOR SHALL INCLUDE INTEGRAL COMPONENTS TO PROTECT PUMP DISCHARGE PIPING FROM WATER HAMMER PRESSURE SPIKES DURING PUMP START OPERATIONS. VENDOR TO SIZE AND SELECT TO SUIT THE GIVEN PROCESS DATA.
- 4. REGULATOR IS UL LISTED FOR SEAWATER SERVICE.
- 5. REGULATOR TYPE: GLOBE PATTERN
- 6. KX IN THE MODEL =: MONEL (ANTI-CAV) TRIM W/ 2507 Swageloki TUBE FITTINGS & TUBING.
- 7. PRESSURE REGULATOR CAVITATION ÁNALYSIS CALCULATION BY THE VENDOR IS REQUIRED TO CONFIRM THAT REGULATOR WILL NOT BE DAMAGED DUE TO CAVITATION.
- 8. VENDOR SHALL SUPPLYA SECURELY ATTACHED (SCREWED OR RIVETED) 316 SS NAMEPLATE THAT SHALL INCLUDE THE FOLLOWING INFORMATION AS A MINIMUM:
- INSTRUMENT TAG NUMBER
- REGULATOR SIZE
- FLANGE RATING(S)
- MANUFACTURER NAME
- MODEL NUMBER
- SERIAL NUMBER
- 9. REGULATOR ESTIMATED % OPEN AT xxGPM = xx% , ENTRANCE VELOCITY= xx FT/SEC.
- 10. RESEATING PRESSURE AFTER RELIEF = 5% OF SET PRESSURE.
- 11. CRL PILOT VALVE RANGE = 20-200 PSIG, SET @ 165 PSIG for relief, CRA PILOT VALVE RANGE = 15-75 PSIG SET @ 45 PSIG for start up.
- 13. REMOTE SENSING IS AT UPSTREAM PRESSURE TRANSMITTER CONNECTION.
- 14. 20' of stright run pipe downstream of the valve to avoid pipe vibration.

				INSTRUM	ENT SPECIFICATION			bp
Z01	DHP	2021-08-13	As Built (No Change)	interrediment of Earlie, their				Mar.
C01	DE	2018-01-10	Issued for Purchase	Pressure Regulator			- 2	
B01	DE	2017-09-26	Issued for Bid			LINGOS		
A01	DE	2017-09-01	Issued for IDC			Sheet 3	of	3
No.	Ву	Date	Revision	Code: 9208 Dwg. No.: GM004-IC-DAT-241-03651				Rev.: Z01