

PULSA SERIES
STATUS: FOR QUOTE

SPECIFICATION
DATA SHEET



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CUSTOMER DAVE HEINER ASSOCIATES, INC		END USER DAVE HEINER ASSOCIATES, INC		SERIAL NO. 26CG003936U1N1		DATE 3/27/2026	
MODEL NO.: 680-S-E		QTY: 1		REF. ID NO.: SQCG003936_1.1.1		REV: 1 BY: IPAS52	
PURCHASE ORDER NO.:				ITEM REFERENCE:			
JOB REFERENCE: [DUPLICATE OF N654918-13] [DUPLICATE OF N654918-13]				PUMP TAG:			
ITEM NUMBER: 680-CG003936U1		KOPKIT NUMBER: KK68F-11115-AATT		DIM DWG. NO.: 23170_000.PDF		FLOW CURVE NO.: CG003936U1~1~PFC~000~PMP.PDF	
JOB CONDITIONS		LIQUID: CARBOHYDRAZIDE		FLOW MAX: 1.0000 LPH		FLOW MIN: 0.00 LPH	
LIQUID TEMPERATURE: 75 F		OPERATING PRESS. (MAX) (1): 3359.00 KPA		SPECIFIC GRAVITY:		PERCENT SOLIDS:	
VAPOR PRESSURE @ TEMP.:		SUCTION PRESSURE (2): KPA		VISCOSITY @ TEMP:		SOLIDS SIZE (MICRON):	
DUTY CYCLE:		ATMOSPHERIC PRESSURE: 14.7 PSIA		NPIP: 5 PSIA			
PULSA SERIES NOTES: (1) MUST BE AT LEAST 5 PSI (0.35 BAR) ABOVE SUCTION PRESSURE, (2) MUST BE AT LEAST 9.5 PSIA (0.66 BAR(A)) AND 5 PSI (0.35 BAR) ABOVE FLUID VAPOR PRESSURE.							
COMMENTS:							
SPECIFICATIONS		BUILD TO API STDs: NO		HIGH VISCOSITY: NO		DISH SIZE: 2.25 INCH	
RATED CAPACITY: 2.1 LPH		VALVE TYPE: BALL		GEAR RATIO: 12:1		PISTON SIZE: .25 INCH	
RATED PRESSURE: 6894.75 KPA		SUCTION VALVE QTY: 2		SUCTION VALVE SIZE: .25 INCH		MECH. DIAPHRAGM SIZE: NA	
HYD. BY-PASS VALVE SET: 4031 KPA		DISCHARGE VALVE QTY: 2		DISCHARGE VALVE SIZE: .25 INCH		STROKE LENGTH: .50 INCH	
SUCTION CONNECTION: FNPT		SUCTION CONNECTION SIZE: .25 INCH		SUCTION FLANGE RATING:		STROKE RATE: 123 SPM	
DISCHARGE CONNECTION: FNPT		DISCHARGE CONNECTION SIZE: .25 INCH		DISCH. FLANGE RATING:		CE/CE-ATEX: NONE TRCU010: NO	
HYD/GEAR OIL: PULSALUBE UNIVERSAL 1HG [STANDARD]		GEAR OIL:		GEARBOX MTL: ALUMINUM		TRCU012: NO	
COMMENTS:							
MATERIALS		VALVE BALL/DISC: 316 SS		VALVE GASKETS: PTFE		VALVE CAP: 316/316L	
VALVE SEAT: 316/316L		VALVE SEAT TYPE: HARD		REAGENT HEAD: 316/316L		PASSIVATE: FLANGE:	
DIAPHRAGM: PTFE		DIAPHRAGM TYPE: FLAT		DIAPHRAGM GASKET:		HARDWARE (HEAD/TIEBAR): STEEL	
DOUBLE DIAPHRAGM: NO		INTERMEDIATE HEAD:		INTERMEDIATE DIAPHRAGM:		INTERMEDIATE FLUID:	
MATERIALS NOTE: THE END USER, WITH KNOWLEDGE OF PUMPED CHEMICAL, OPERATING AND ENVIRONMENTAL CONDITIONS, IS RESPONSIBLE FOR THE FINAL SELECTION OF ALL RELATED MATERIALS.							
COMMENTS:							
LEAK DETECTION		SETUP:		OPTION:		TYPE:	
ENCLOSURE:		VOLTAGE:				OPTION:	
COMMENTS:							
FEATURES		DEGAS VALVE:		HYPO SYSTEM VOLTAGE:			
SPLASH GUARDS: NO		PUMP BASE MATERIAL: ALUMINUM		DEGAS/HYPO O-RING MATERIAL:			
CONTROLS		TYPE: MANUAL STROKE LENGTH CONTROL		DEVICE: STROKE LENGTH CONTROLLER		ITEM NUMBER:	
VOLTAGE:		INPUT SIGNAL:		OUTPUT SIGNAL:		ENCLOSURE:	
ENGINEERING NO.:		WIRING NO.:		EUROPEAN RATING:		REMOTE CABLE:	
OP STATION:		METER READ OUT:		OP STATION ENCLOSURE:		OP PUMP MOUNT:	
OP STATION-PART NO.:		OP STATION INST DWG. NO.:		OP STATION WIRING NO.:			
PNEUMATIC SERVICE TYPE:		RATIO CTL:		TRANSDUCER:		REMOTE LOAD STN: AUTO/MAN: FILTER REG.:	
COMMENTS:							
DRIVE		CURRENT:		VOLTAGE:		DRIVE ENCL: POWER:	
INPUT SIGNAL:		OUTPUT SIGNAL:		COMMUNICATION PROTOCOL:			
MOTOR		MOTOR INFO: MOTOR BASE, COUPLING & GUARD					
POWER: REQ'D: 0.1667 HP		VOLTAGE:		HZ: 50		PHASE: TYPE: SPEED: 1450 FRAME: 56C	
MANUFACTURER:		MOTOR NO.: LESS MOTOR		ENCLOSURE:		MOTOR TYPE:	
DESCRIPTION:							
MOTOR NOTE: SPEED IS NOMINAL FULL LOAD. ACTUAL NAMEPLATE SPEED MAY VARY BY +/- 3% DEPENDING ON MOTOR MANUFACTURER. CONSULT MOTOR SPECIFICATION FOR ACTUAL NAMEPLATE RATINGS.							
COMMENTS:							
PAINT		MFG & BRAND: DEVOE DEVTRAN 224V		TOP COAT: TWO-PART EPOXY		TOP COAT COLOR: GREEN RAL 6018 PAINT THICKNESS: SINGLE (6 MILS DFT)	
INTERMEDIATE COAT:		PRIMER COLOR:		PAINT WET END: NO		SAND BLAST: NO DFT CERT.:	
COMMENTS:							
TEST		STANDARD TEST: PERFORMANCE (3-PT): YES		CALIBRATION (3-PT): YES		HYDROSTATIC (15MIN): YES WITNESSED: NO JOB INSPECTION: NO	
API 675 TESTING		PERFORMANCE [STROKE] (3-PT):		REPEATABILITY (+2-PT):		HYDROSTATIC (30MIN): SOUND LEVEL: JOB INSPECTION:	
		PERFORMANCE [SPEED] (3-PT):		HIGH DISCHARGE PRESURE:		MECHANICAL RUN: CHLORIDE CONT.: NPIP TEST:	
		POSITIVE MTL ID (PMI): NO		NSF 61: NO		RADIOGRAPHIC-PROCESS SIDE: RADIOGRAPHIC-DRIVE SIDE: LIQUID PENETRANT:	
COMMENTS:							
DOCUMENTATION		API 675 CERTIFICATE: NO		TEST REPORT: YES		MILL (MTL) CERTIFICATE: NO CONFORMANCE CERT.: NO MANUAL (IOM): YES	
PUMP DIM DRAWING: NO		MOTOR DIM DRAWING: NO		FLOW CURVE: NO		PMI TEST CERTIFICATE: NO CERTIFICATE OF ORIGIN: NO ISO CERTIFICATES: NO	
PARTS LIST: NO		MOTOR WIRING DIA.: NO		CALIBRATION CURVE: YES		MTL COMPLIANCE CERT.: NO ACCESSORY DIM DRAWING: NO PROCESS DOCUMENTS: NO	
KOPKIT INFORMATION: NO		CONTROL WIRING DIA.: NO		HYDRO TEST REPORT: YES		SPEC. COMPLIANCE CERT.: NO ACCESSORY CUT SHEETS: NO WEB LINKS: NO	
OTHER		EXPORT CONTROL CLASS: EAR99		EXP. LICENSE CANDIDATE:		6-MONTH STORAGE: PACKING: STANDARD OIL:1/0 KK: 1 ACC: NO TYP: N	
COMMENTS:							

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