

CONTROLLED VOLUME PUMP DATA SHEET CRP1500W SERIES

PROJECT			PURCHASE ORDER NO.		
CUSTOMER			UNIT NO.		
SITE			SIZE & TYPE		
SPECIFICATION NO.			MODEL NO.		
NO. PUMPS REQUIRED			LIQUID HANDLED		
PUMPING TEMP.		°F °C	SITE TEMP. - MIN		°F °C
SPECIFIC GRAVITY @		°F °C	SITE TEMP. - MAX		°F °C
VAPOR PRESS	PSIA	BARA	CAPACITY	GPH	LPH
DISCHARGE PRESSURE	PSIG	BARG	SUCTION PRESSURE	PSIG	BARB
VISCOSITY	SSU	CP	NPSH AVAIL.	PSIG	FT <input type="checkbox"/> mm <input type="checkbox"/>
ELECTRICAL AREA HAZARD	CLASS	GROUP	DIVISION		
LOCATION	INDOOR <input type="checkbox"/>	OUTDOOR <input type="checkbox"/>	HEATED <input type="checkbox"/>	UNHEATED <input type="checkbox"/>	

MANUFACTURERS SPECIFICATIONS

PUMP HEAD

PLUNGER 1.500" (38.1 mm) DIA
 CHECK VALVES SINGLE BALL TYPE
 INLET: 2" NPT VERTICAL
 DISC: 3/4" NPT, 90-100 PSIG (6.2 - 6.9 BARG) TEFLON SEAT
 VALVE BALL 316SS (STANDARD) CERAMIC (OPTIONAL)
 VALVE SPRING ELGILOY
 PACKING TYPE MECHANICAL TG (TEFLON GRAPHITE)
 O-RING BR (BUNA-N OR NITRILE)
 V (VITON OR FLUOROCARBON RUBBER)
 K (KALREZ OR PERFLUORDELASTROMER)
 EPR (ETHYLENE PROPYLENE)

BLEED PORT INTERGRAL WITH 0.25" (6.3mm) DIA

MOTOR CYLINDER

PISTON DIAMETER 4.00" (101.6mm) DIA 6.00" (152.4mm) DIA
 8.00" (203.2mm) DIA
 CYLINDER MATERIAL 316SS W SERIES
 PISTON MATERIAL 2024 ALUM. -STANDARD 316SS -OPTIONAL
 PISTON SEAL: O-RING BUNA-N -STANDARD VITON -OPTIONAL

PERFORMANCE

STROKE ADJUSTMENT MICROMETER
 LENGTH OF STROKE 0" TO 1.5 (38mm) OTHER _____
 PLUNGER STROKE RATE 0 TO 40 SPM OTHER _____
 RATE CAPACITY 400 22.90 GPH/86.40 LPH @ 0 PSIG (0 BARG)
 22.20 GPH/84.03 LPH @ 890 PSIG (62.6 BARG)
 600 22.90 GPH/86.40 LPH @ 0 PSIG (0 BARG)
 21.30 GPH/80.62 LPH @ 1580 PSIG (111.1 BARG)
 800 22.90 GPH/86.40 LPH @ 0 PSIG (0 BARG)
 21.50 GPH/81.38 LPH @ 2775 PSIG (195.2 BARG)

RATED MAXIMUM DISCHARGE PRESS. 400 620 PSIG (43.6 BARG) @ 100 PSIG (6.6 BARG)
 950 PSIG (66.8 BARG) @ 150 PSIG (10.3 BARG)
 600 1310 PSIG (92.1 BARG) @ 100 PSIG (6.9 BARG)
 1810 PSIG (127.3 BARG) @ 150 PSIG (10.3 BARG)
 800 2225 PSIG (156.5 BARG) @ 100 PSIG (6.9 BARG)
 3200 PSIG (225 BARG) @ 150 PSIG (10.3 BARG)

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PERFORMANCE CON'T.

NOTE	ALL UNITS REQUIRE A CONTROLLER RELAY COMBINATION
PNEUMATIC CONTROLLER	W SERIES <input type="checkbox"/> MARK XII (AIR 30-100 PSIG) (2-6.9 BARG)
PNEUMATIC RELAY	AIR @ 50 PSIG (3.4 BARG) TO 150 PSIG (10.3 BARG)
	PO3-6S <input type="checkbox"/> SINGLE ACTION RELAY (USED ON 4" & 6" MOTOR CYLINDER)
	PO4-6S <input type="checkbox"/> DOUBLE ACTION RELAY (USED ON 8" MOTOR CYLINDER)
SUCTION REQUIREMENTS	FLOODED (MAX 100 PSI OR 7 BARG)
REPEATABILITY	+/- 1.5%

MATERIAL OF CONSTRUCTION

PLUNGER	<input type="checkbox"/> (A) 17-4 PH	
	<input type="checkbox"/> (B) 316SS	
	<input type="checkbox"/> (CR) CERAMIC	
PUMP HEAD	316SS	
CHECK VALVE BODY	316SS	
PUMP BODY	316SS	
CONTROLLER	MARK XII - ALL 316SS	<input type="checkbox"/> NEOPRENE DIAPHRAGMS
		<input type="checkbox"/> OTHER _____
PUMP WEIGHT WITH CONTROLLER	400 33.0 LB/15.0 KG	
	600 39.0 LB/17.7 KG	
	800 44.0 LB/20.0 KG	
LUBRICATION FLUID	PUMP: SYNTHETIC WITH TEFLON	
	CONTROLLER: SILICONE SSP-1208	
	RELAY: SILICONE SSP-1208	

INSPECTIONS & TESTS

	<u>REQUIRED</u>	<u>WITNESSED</u>	<u>NON-WITNESSED</u>
SHOP TEST	STANDARD	<input type="checkbox"/>	<input type="checkbox"/>
HYDROSTATCI TEST	UPON REQUEST	<input type="checkbox"/>	<input type="checkbox"/>
PERFORMANCE TEST	UPON REQUEST	<input type="checkbox"/>	<input type="checkbox"/>
REPEATABILITY/LINEARITY	+/- 1.5% (DIAL: 40-100)*	<input type="checkbox"/>	<input type="checkbox"/>
STEADY STATE ACCURACY	+/- 1% MIN.*	<input type="checkbox"/>	<input type="checkbox"/>

* WITH MARK XII CONTROLLER, AIR CLEAN & DRY

NOTES: