

## CONTROLLED VOLUME PUMP DATA SHEET CRP750 - V AND X 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 0.750" (19.05 mm) DIA  
 CHECK VALVES BALL TYPE WITH TEFLON SEAT  
 INLET: 3/4" NPT (M) VERTICAL  
 DISC: 1/2" NPT (F) 100 PSIG (6.9 BARG)  
 VALVE BALL  316SS (STANDARD)       CERAMIC (OPTIONAL)  
 VALVE SPRING ELGILOY  
 PACKING DUAL PLUNGER SEAL       MECHANICAL       O-RING  
 BLEED PORT INTERGRAL WITH 0.25" (6.3mm) DIA. HOSE BARB

#### MOTOR CYLINDER

CYLINDER MATERIAL  316SS V SERIES       6061 ALUM X SERIES  
 PISTON DIAMETER  2.25" (57.15 mm) DIA.       3.00" (76.20 mm) DIA.  
 PISTON MATERIAL  2024 ALUM. (STANDARD)       316SS (OPTIONAL)  
 PISTON SEAL: U-CUP  BUNA-N (STANDARD)       VITON (OPTIONAL)  
 GUIDE RING  TEFLON

### PERFORMANCE

STROKE ADJUSTMENT MICROMETER  
 LENGTH OF STROKE 0" TO 1.0 (25mm)  OTHER  \_\_\_\_\_  
 PLUNGER STROKE RATE 0 TO 45 SPM  OTHER  \_\_\_\_\_  
 RATE CAPACITY  400 5.00 GPH/13.21 LPH @ 0 PSI (0 BARG)  
 4.75 GPH/12.55 LPH @ 3450 PSIG (238 BARG)  
 RATED MAXIMUM DISCHARGE PRESS.  400 1520 PSIG (104 BARG) @ 100 PSIG (6.6 BARG)  
 3450 PSIG (158 BARG) @ 150 PSIG (10.3 BARG)  
 PNEUMATIC RELAY AIR @ 50 PSIG (3.4 BARG) TO 150 PSIG (10.3 BARG)  
 SUCTION REQUIREMENTS FLOODED (MAX 100 PSI OR 7 BARG)  
 REPEATABILITY +/- 1.5%

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### MATERIAL OF CONSTRUCTION

PLUNGER	<input type="checkbox"/>	(A) 17-4 PH	
	<input type="checkbox"/>	(B) 316SS	
	<input type="checkbox"/>	(CR) CERAMIC	
PACKING TYPE	MECHANICAL	<input type="checkbox"/> TC (TEFLON COMPOSITE)	100-5,000 PSIG
	SEAL	<input type="checkbox"/> PE (UHMW POLYETHYLENE)	100-5,000 PSIG
		<input type="checkbox"/> TG (TEFLON GRAPHITE)	1,000-10,000 PSIG
	O-RING	<input type="checkbox"/> BR (BUNA-N OR NITRILE)	100-750 PSIG
		<input type="checkbox"/> V (VITON OR FLUOROCARBON RUBBER)	100-750 PSIG
		<input type="checkbox"/> K (KALREZ OR PERFLUORDELASTOMER)	100-750 PSIG
		<input type="checkbox"/> EPR (ETHYLENE PROPYLENE)	100-750 PSIG
PUMP HEAD	<input type="checkbox"/> 316SS	<input type="checkbox"/> 6061 ALUM X SERIES	<input type="checkbox"/> OTHER _____
CHECK VALVE BODY	<input type="checkbox"/> 316SS	<input type="checkbox"/> OTHER _____	
PUMP BODY	<input type="checkbox"/> 316SS	<input type="checkbox"/> OTHER _____	
CONTROLLER	<input type="checkbox"/> MARK XII - ALL 316SS	<input type="checkbox"/> NEOPRENE DIAPHRAGMS (STANDARD)	
	<input type="checkbox"/> MARK II - 6061/2024 ALUM.	<input type="checkbox"/> BUNA-N DIAPHRAGMS (STANDARD)	
		<input type="checkbox"/> VITON DIAPHRAGMS (OPTIONAL)	
	<input type="checkbox"/> MARK VIII - 6061/2024 ALUM.	<input type="checkbox"/> BUNA-N DIAPHRAGMS (STANDARD)	
		<input type="checkbox"/> VITON DIAPHRAGMS (OPTIONAL)	
	<input type="checkbox"/> OTHER _____		
PUMP WEIGHT WITH MARK XII	<input checked="" type="checkbox"/> 400	14 LB/6.35 KG	
LUBRICATION FLUID	PUMP:	SYNTHETIC WITH TEFLON	

### 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

\*\* ALL WITNESSED TESTS ARE UPON REQUEST ONLY AND MUST BE NOTED ON THE PURCHASE ORDER AT THE TIME OF ORIGINAL ORDER. FOR PURPOSES OF THIS DOCUMENT "WITNESSED" MEANS BY SOMEONE OTHER THAN A WILLIAMS EMPLOYEE.

NOTES: