

PIPELINE TESTING UNIT



UNIT OPERATION/ FEATURES

THE PIPE TESTER HAS TWO 55GPM HIGH VOLUME PUMPS AND ONE 10K PUMP. (BOTH RD124) IT OPERATES BY RUNNING ALL 3 PUMPS, AND AS THE PRESSURE RISES TO 3000 PSI THE 2 HIGH VOLUME PUMPS GO TO BYPASS. THEN, THE 10K PUMP WILL BRING IT UP TO 10K. AFTER THE WORK REACHES MAX PRESSURE, ALL THE PUMPS WILL GO TO BYPASS AND THE SYSTEM WILL NOT START BACKUP UNTIL THE OPERATOR HITS THE TEST START BUTTON. THE UNIT IS CONTROLLED BY A PROCESS METER THAT ACTUATES PNEUMATIC BYPASS VALVES TO RUN THE PRESSURE TEST. THERE IS ALSO A PNEUMATIC CYLINDER THAT ENGAGES AND DISENGAGES THE PTO. ALL THE PNEUMATICS ARE RUN BY AN ONBOARD AIR COMPRESSOR THAT IS INCORPORATED INTO THE 200 HORSEPOWER MOTOR. THE MACHINE HAS A 50GAL FUEL TANK AND 340GAL ONBOARD WATER TANK.



MAX PLUNGER LOAD 7400 LB			FLOW											
MAX PRESSURE		300 RPM		400 RPM		500 RPM		600 RPM		700 RPM		800RPM		
PLUNGER DIA.	PSI	BAR	GPM		LPM		GPM		LPM		GPM		LPM	
.625" - 15.87MM	22,500	1551.4	2.35	8.9	3.13	11.8	3.92	14.8	4.70	17.8	5.48	20.7	6.27	23.7
.750" - 19.00MM	15,000	1034	3.39	12.8	4.51	17.1	5.64	21.4	6.77	25.7	7.9	29.9	9.0	34.2
.875" - 22.2MM	12,000	828	4.61	17.4	6.14	23.3	7.68	29.1	9.22	34.9	10.75	40.7	12.25	46.5
HORSEPOWER RATING			36		48		60		72		84		96	

		HORSEPOWER			
RPM	GPM	1,000 PSI	1,500 PSI	2,000 PSI	3,000 PSI
300	19.6	12.7	19.1	25.4	18.2
400	26.1	17	25.4	34	50.4
500	32.7	21.2	31.8	42.4	63.6
600	39.3	25.5	38.2	51.0	76.4
700	45.8	29.7	44.6	59.4	89.1
800	52.4	34	51	68	102

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