BARBEE
ENGINEERED TESTING SYSTEMS

P 500 SERIES
DUAL PUMP HYDROSTATIC TESTER

FEATURES

- **TUBULAR FRAME:** Standard model with base plate and 1" square tubular frame.
- **DUAL AIR-DRIVEN PUMP:** Lubricated air-driven pumps, can be supplied both with the same ratios, or In a High-Low set up for high volume at low pressures and a high pressure pump. This is suitable for hydrostatic testing with very low and very high test pressure requirements.
- **DUAL GAUGE MANIFOLD:** Dual range gauges for hi-low pumps, and relief valve port with quick disconnects.

SPECIFICATIONS

PUMP TYPE AND PRESSURE RANGES	Air-driven piston pump, 0-1,000, 0-1850, 0-3,000,0-4,500, 0-6000, & 0-10,000, 15,000, 20,000 & 30,000 PSI (specify combination)
HYDROSTATIC PRESSURE GAUGE	4" dial all stainless steel, glycerin-filled, 0.5% accuracy, full scale, quick disconnects(except 15,000 PSI and up.)
AIR CONTROL SYSTEM	3/8" Air inlet port with l ball valve, filter,regulator with gauge, 50 micron filter, pump lubricator.
DISCHARGE PRESSURE MANIFOLD	Stainless manifold, 3/8" NPT outlet port, 1/4" stainless steel drain valve. 3/4" GH pump inlet
RELIEF VALVES (OPTIONAL)	Relief Valves, 1/4" with quick disconnects, 50-350, 350-750, 750-1500, 1500-2250, 2250-3,000, 3,000-4,000, 4,000-5000, 5,000-6,000
HYDROSTATIC HOSE (OPTIONAL)	3/8" Hose x 10 feet long, with high pressure quick disconnect x 3/8" MPT on one end.
DIMENSIONS & WEIGHT	28" L x 15" W x 15 H, 85 lbs.

ORDERING INFORMATION: Specify pump ranges i.e. P500 Series, 0-1,000 PSI and 0-6,000 PSI ranges. Specify Relief Valve range, i.e. 5000-6,000 PSI. Specify hose lengths, if required, and the pressure ranges.

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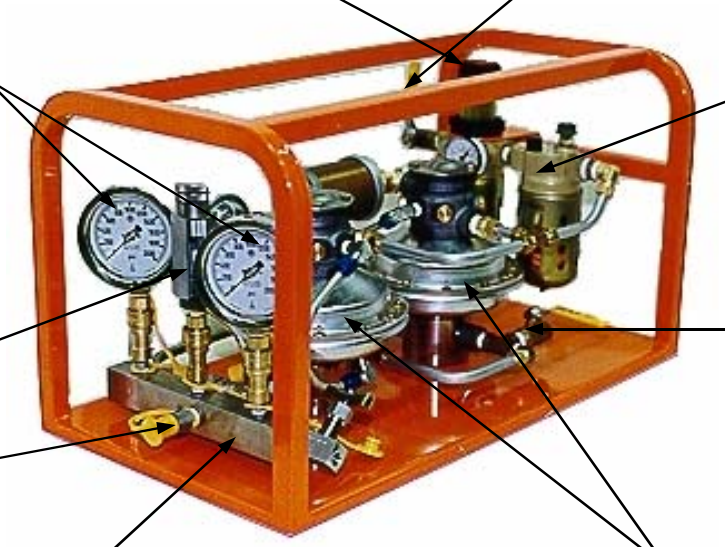
P 500 SPECIFICATIONS



PUMP FLOW CHARTS (CU.IN/MIN.)*

RATIO	PRES-SURE RANGE	FREE FLOW	@ 1000 PSI	@ 2000 PSI	@ 3000 PSI	@ 5000 PSI	@ 10,000 PSI
10:1	1000 PSI	485	320				
20:1	2000 PSI	485	320	150			
30:1	3000 PSI	332	236	174	42		
35:1	4500 PSI	297	200	164	122		
60:1	6000 PSI	213	170	140	107	60	
100:1	8800 PSI	172	126	111	98	76	
125:1	10,000 PSI	78	72	66	60	53	38

*** BASED ON 100 PSI SHOP AIR, 25 SCFM FLOW. ADD FLOWS OF BOTH PUMPS TO GET TOTAL FLOW RATE.**