



Model 2390



Model 2360



Model 83496

## Ultra High-Pressure Pumps for Pressure Control Applications

Designed specifically for oil well services such as wireline and plug valve applications. In wireline applications, these pumps are used to seal against the well-head pressure as the well is being logged or perforated. In plug valve applications, they are used to pump heavy grease into the valve or "Christmas tree valves" to seal any gas leaks.

### Series III PowerMaster 4, 6, 8

Pump Model	Ratio	Pump Tube	Air Motor	Max. Delivery Press. psi / bar	Max. Air Pressure psig (bar)	Pump Tube Length
2390	250:1	85304	84808	20,000 (1380)	80 (5.5)	33 <sup>3</sup> / <sub>4</sub> " 85.70cm
2392	140:1		84806		100 (6.9)	
2394	70:1		84804		200 (13.8)	
2391	250:1	85305	84808		80 (5.5)	27 <sup>1</sup> / <sub>8</sub> " 68.90cm
2393	140:1		84806		100 (6.9)	
2395	70:1		84804		14,000 (965)	200 (13.8)

Max. Delivery Pressure psig (bar)	Average Output/Cycle	Output at 75 cycles/min	Operating Temperature Range	Wetted Part Materials	Pump Stroke	Material Outlet	Gauge Port
20,000 (1380)	2 in <sup>3</sup> (33cc)	0.67 GPM (2.5 LPM)	-40°F to +180°F / -40°C to +82°C	Carbon Steel, Brass, Polyurethane	6" (152 mm)	Autoclave Engineers Medium Pressure Port for 3/16" Tube, 13/16-16 Thread	Autoclave Engineers Medium Pressure Port for 1/4" Tube, 7/16-20 Thread

### Series II PowerMaster 6

Max. Delivery	Avg. Output	Piston Packing	Gland Packing	Pump Type	Mat'l. Outlet
.42 gal/min 1.6 l/min	1.4 in <sup>3</sup> /cycle 23 cc/cycle	Bushing & Plunger	Molybdenum Disulfide Urethane Stacked V	Shovel	1/2" NPTF (F)

Model No.	Pump Tube	Air Motor	Drum Size	Air Motor Size	Max. Discharge Press.	Air Inlet
2360	84304	82736	55 gal.	6 in 150 mm	14000 psi / 952 bar	3/4" NPTF(F)
2361	84604	82736	16 gal.			

### Supply Line Booster Pump Tube

Ensures proper supply line pressure over long distances. The booster pump picks up low material pressure and "boosts" it back up to the desired pressure in the line. Pumping distance, pipe size and material viscosity determines number and spacing of booster pumps.

Max. Delivery	Gland Packing	Material Inlet & Outlet
1 gal/min 3.8 l/min	Polyurethane U-cup	3" NPTF(M)

Booster Pump Model	Air Motor Model	Pump Ratio	Air Motor Size in. / mm	Max. Discharge Pressure psi / bar	Air Inlet NPTF(F)
83496	82737	7.5:1	2 1/2 / 65	1500 / 102	1/4"
	82895	10.5:1	3 / 75	2100 / 142.8	1/2"
	82730	21.5:1	4 1/4 / 110	4300 / 292.4	
	82736	43:1	6 / 150		3/4"