

## AHP - AIR DRIVEN HYDROTEST PUMPS - STANDARD FLOW



Output pressures up to 42500 PSI

Suitable for use with various fluids.

6" dual scale vibra pressure gauge

- >> Air consumption 28 scfm
- >> Infinitely variable output pressure and flow
- >> 1.85 gallons reservoir capacity

The Hi-Force AHP series of air driven hydrostatic pressure testing pumps offers a choice of eight models with output pressure capacities ranging from 87 PSI [6 Bar] to 42500 PSI [2931 Bar]. All models are suitable for use with various fluids, including water and are supplied with a 6" diameter glycerin filled hydraulic pressure gauge (calibrated on request), inlet airline filter, lubricator and pressure regulator unit, lightweight fluid reservoir, pump start/stop valve and a robust stainless steel skid mounted framework. Optional extras include stainless steel reservoir, stroke counter system and pressure isolation valve. All units are of compact design with a maximum weight of 50.7 lbs.

Model number	Max. output pressure (PSI) at airline input pressure			Fluid volume displacement per stroke (inch <sup>3</sup> )	Outlet port thread	Weight lbs
	10 PSI	50 PSI	100 PSI			
	0.69 Bar	3.45 Bar	6.9 Bar			
<b>AHP10</b>	87	493	1000	2.58	½" NPT	50.7
<b>AHP26</b>	203	1305	2625	0.98	½" NPT	46.3
<b>AHP36</b>	247	1769	3625	0.75	½" NPT	44.1
<b>AHP58</b>	406	2900	5800	0.46	½" NPT	44.1
<b>AHP107</b>	899	5409	10701	0.24	½" NPT	44.1
<b>AHP187</b>	1407	9251	18749	0.13	⅜"-18UNF	44.1
<b>AHP275</b>	2248	13500	27507	0.10	⅜"-18UNF	44.1
<b>AHP425</b>	5003	20996	42500	0.06	⅜"-18UNF	44.1

Dimensions in inches		
Length	Width	Height
17.73	15.56	15.56
17.73	15.56	15.56
17.73	15.56	15.56
17.73	15.56	15.56
17.73	15.56	15.56
17.73	15.56	15.56
17.73	15.56	15.56
17.73	15.56	15.56

Hydraulic pressure PSI	Bar	Approximate rate of discharge (gallons/min) at air input pressure 100 PSI (7 Bar)							
		<b>AHP10</b>	<b>AHP26</b>	<b>AHP36</b>	<b>AHP58</b>	<b>AHP107</b>	<b>AHP187</b>	<b>AHP275</b>	<b>AHP425</b>
0	0	5.08	1.94	1.32	0.78	0.43	0.25	0.16	0.09
500	35	2.64	1.29	0.97	0.67	0.33	0.23	0.15	0.09
1000	69	*	1.04	0.84	0.55	0.28	0.22	0.14	0.08
1500	104	*	0.86	0.73	0.52	0.28	0.20	0.13	0.08
2000	138	*	0.66	0.66	0.50	0.27	0.17	0.12	0.07
2500	173	*	0.27	0.56	0.45	0.26	0.17	0.11	0.07
3000	207	*	*	0.43	0.41	0.26	0.16	0.11	0.07
4000	276	*	*	*	0.34	0.22	0.15	0.10	0.06
5000	345	*	*	*	0.22	0.21	0.15	0.09	0.06
7500	517	*	*	*	*	0.17	0.13	0.09	0.06
10000	690	*	*	*	*	0.10	0.11	0.08	0.05
15000	1034	*	*	*	*	*	0.09	0.07	0.05
20000	1379	*	*	*	*	*	*	0.07	0.04
25000	1724	*	*	*	*	*	*	0.05	0.04
30000	2069	*	*	*	*	*	*	*	0.03
40000	2760	*	*	*	*	*	*	*	0.01

\* Pressure exceeds pump capacity.

## AHP-CR AIR DRIVEN HYDROTEST PUMPS - WITH CHART RECORDER



Output pressures up to 42500 PSI

Suitable for use with various fluids.

6" dual scale vibra pressure gauge

- >> Air consumption 28 scfm
- >> Infinitely variable output pressure and flow
- >> 1.85 gallons reservoir capacity
- >> Supplied with 50 recorder charts and one black chart pen, for additional charts and pens, please see page 114

The Hi-Force AHP-CR series of air driven hydrostatic pressure testing pumps offers a choice of 8 models with output pressure capacities ranging from 87 PSI (6 Bar) to 42500 PSI (2931 Bar) all fitted with on board, 4 hour, single pen chart recorder as standard. All models are suitable for use with various fluids including water and are supplied with a 6" diameter glycerin filled hydraulic pressure gauge (calibrated on request), inlet airline filter, lubricator and pressure regulator unit, lightweight fluid reservoir, pump start/stop valve and a robust stainless steel skid mounted framework. Recorder isolation valve and pressure release valve are fitted as standard. Optional extras include stainless steel reservoir, pressure isolation valve, stroke counter system, gauge calibration certificate and varying recorder clock speeds. All units are of compact design with a maximum weight of 68.3 lbs.

Model number	Max. output pressure (PSI) at airline input pressure			Fluid volume displacement per stroke (inch <sup>3</sup> )	Outlet port thread	Weight lbs
	10 PSI 0.69 Bar	50 PSI 3.45 Bar	100 PSI 6.9 Bar			
<b>AHP10-CR</b>	87	493	1000	2.58	½" NPT	68.3
<b>AHP26-CR</b>	203	1305	2625	0.98	½" NPT	63.9
<b>AHP36-CR</b>	247	1769	3625	0.75	½" NPT	61.7
<b>AHP58-CR</b>	406	2900	5800	0.46	½" NPT	61.7
<b>AHP107-CR</b>	899	5409	10701	0.24	½" NPT	61.7
<b>AHP187-CR</b>	1407	9251	18749	0.13	9/16"-18UNF	61.7
<b>AHP275-CR</b>	2248	13500	27507	0.10	9/16"-18UNF	61.7
<b>AHP425-CR</b>	5003	20996	42500	0.06	9/16"-18UNF	61.7

Dimensions in inches		
Length	Width	Height
20.88	15.37	15.37
20.88	15.37	15.37
20.88	15.37	15.37
20.88	15.37	15.37
20.88	15.37	15.37
20.88	15.37	15.37
20.88	15.37	15.37
20.88	15.37	15.37

Hydraulic pressure		Approximate rate of discharge (gallons/min) at air input pressure 100 PSI (7 Bar)							
PSI	Bar	<b>AHP10-CR</b>	<b>AHP26-CR</b>	<b>AHP36-CR</b>	<b>AHP58-CR</b>	<b>AHP107-CR</b>	<b>AHP187-CR</b>	<b>AHP275-CR</b>	<b>AHP425-CR</b>
0	0	5.08	1.94	1.32	0.78	0.43	0.25	0.16	0.09
500	35	2.64	1.29	0.97	0.67	0.33	0.23	0.15	0.09
1000	69	*	1.04	0.84	0.55	0.28	0.22	0.14	0.08
1500	104	*	0.86	0.73	0.52	0.28	0.20	0.13	0.08
2000	138	*	0.66	0.66	0.50	0.27	0.17	0.12	0.07
2500	173	*	0.27	0.56	0.45	0.26	0.17	0.11	0.07
3000	207	*	*	0.43	0.41	0.26	0.16	0.11	0.07
4000	276	*	*	*	0.34	0.22	0.15	0.10	0.06
5000	345	*	*	*	0.22	0.21	0.15	0.09	0.06
7500	517	*	*	*	*	0.17	0.13	0.09	0.06
10000	690	*	*	*	*	0.10	0.11	0.08	0.05
15000	1034	*	*	*	*	*	0.09	0.07	0.05
20000	1379	*	*	*	*	*	*	0.07	0.04
25000	1724	*	*	*	*	*	*	0.05	0.04
30000	2069	*	*	*	*	*	*	*	0.03
40000	2760	*	*	*	*	*	*	*	0.01

\* Pressure exceeds pump capacity.