

LAP - SERIES

AIR DRIVEN HYDRO
TEST PUMP

LIFTON
Hydraulic Power Systems

TM

MAXIMUM CAPACITY : 58000 PSI

Rigid stainless steel frame and reservoir for tough working environment.

Output pressure upto 58,000 psi.

Mounted with FRL unit, 6" dial, glycerine filled Pump stalls at preset pressure and restart

pressure gauge, level indicator.

when pressure drops below set pressure

Air on/off valve, bleed valve.

Suitable for fluids like water hydraulic oil and any other non-corrosive fluids.

Air consumption 50 scfm.

Moderate flow rate.

Model	Pressure Range (PSI)	Displacement Per Stroke (CC)	Output Port Size	Weight (Kg)
LAP100	0-1,000	53.42	3/8"NPT	25
LAP185	0-1,850	28.68	3/8"NPT	25
LAP300	0-3,000	17.04	3/8"NPT	25
LAP450	0-4,500	11.60	3/8"NPT	25
LAP600	0-6,000	8.64	3/8"NPT	25
LAP1000	0-10,000	4.36	3/8"NPT	25
LAP1500	0-15,000	3.47	9/16" UNF	25
LAP2000	0-23,750	2.16	9/16" UNF	25
LAP3000	0-36,500	1.51	9/16" UNF	25
LAP5800	0-58,000	2.00	9/16" UNF	35



Chart recorder, hose, fittings are available upon request

Rate of Discharge in Cubic Inches/min. and (liters/min) Air Drive 100 PSI (6.9 bar)

Pressure		LAP100	LAP185	LAP300	LAP450	LAP600	LAP1000	LAP1500	LAP2000	LAP3000	LAP5800
PSI	BAR	(1:10)	(1:20)	(1:30)	(1:45)	(1:60)	(1:100)	(1:150)	(1:200)	(1:300)	(1:580)
0		560 (9.1)	485 (7.9)	332(5.4)	297 (4.9)	213 (3.5)	130 (2.1)	85 (1.3)	53 (0.9)	37 (0.6)	53 (0.9) 52
250	17	485 (7.9)	440 (7.2)	284(4.7)	238 (3.9)	190 (3.1)	122 (2.0)	85 (1.3)	52 (0.9)	36 (0.6)	(0.9) 52
500	34	484 (7.5)	400 (6.6)	268(4.4)	225 (3.7)	186 (3.0)	115 (1.7)	75 (1.2)	50 (0.8)	35 (0.6)	(0.9) 50
750	48	324 (5.3)	364 (6.0)	256(4.2)	214 (3.5)	177 (2.9)	112 (1.8)	75 (1.2)	49 (0.8)	34 (0.6)	(0.8) 50
1000	69		320 (5.2)	236(3.9)	200 (3.3)	170 (2.8)	110 (1.8)	75 (1.2)	48 (0.8)	33 (0.5)	(0.8) 49
2000	138			174(2.9)	164 (2.7)	140 (2.3)	99 (1.6)	63 (1.1)	46 (0.8)	32 (0.5)	(0.8) 49
3000	207			42 (0.7)	122 (2.0)	107 (1.8)	88 (1.4)	53 (0.9)	43 (0.7)	30 (0.5)	(0.8) 48
4000	276				69 (1.1)	86 (1.4)	85 (1.3)	53 (0.9)	41 (0.7)	30 (0.5)	(0.8) 46
5000	345					60 (1.0)	75 (1.2)	38 (0.6)	38 (0.6)	29 (0.5)	(0.8) 43
8800	607						57 (0.9)	18 (0.3)	34 (0.6)	26 (0.4)	(0.7) 41
10000	690						40 (0.7)	8 (0.15)	30 (0.5)	23 (0.4)	(0.7) 38
12500	862								23 (0.4)	23 (0.4)	(0.6) 38
15000	1034								20 (0.3)	18 (0.3)	(0.6) 34
20000	1379								9 (0.15)	14 (0.2)	(0.6)
30000	2069									6 (0.1)	30(0.5) 23
33500	2310									6 (0.1)	(0.4) 20
40000	2759										(0.3)
45000	3103										12.2(0.2)
58000	4000										9.15 (0.15)

Rigid stainless steel frame and reservoir for tough working environment.

Mounted with FRL unit, 6" dial, glycerine filled pressure gauge, level indicator.

Air on/off valve, bleed valve.

Suitable for fluids like water hydraulic oil and any other non-corrosive fluids.

Air consumption 50 scfm.

Pump stalls at preset pressure and restart when pressure drops below set pressure.

Built-in chart recorder.



Chart recorder, hose, fittings are available upon request

Model	Pressure Range (PSI)	Displacement Per Stroke (CC)	Output Port Size	Weight (Kg)
LAP100- CR	0-1,000	53.42	3/8"NPT	25
LAP185- CR	0-1,850	28.68	3/8"NPT	25
LAP300- CR	0-3,000	17.04	3/8"NPT	25
LAP450- CR	0-4,500	11.60	3/8"NPT	25
LAP600- CR	0-6,000	8.64	3/8"NPT	25
LAP1000- CR	0-10,000	4.36	3/8"NPT	25
LAP1500- CR	0-15,000	3.47	9/16" UNF	25
LAP2000- CR	0-23,750	2.16	9/16" UNF	25
LAP3000- CR	0-36,500	1.51	9/16" UNF	25
LAP5800- CR	0-58,000	2.00	9/16" UNF	35

Rate of Discharge in Cubic Inches/min. and (liters/min) Air Drive 100 PSI (6.9 bar)

Pressure		LAP100-CR	LAP185-CR	LAP300-CR	LAP450-CR	LAP600-CR	LAP1000-CR	LAP1500-CR	LAP2000-CR	LAP3000-CR	LAP5800-CR
PSI	BAR										
0		485 (7.9)	485 (7.9)	332(5.4)	297 (4.9)	213 (3.5)	130 (2.1)	85 (1.3)	53 (0.9)	37 (0.6)	53 (0.9)
250	17	560 (9.1)	440 (7.2)	284(4.7)	238 (3.9)	190 (3.1)	122 (2.0)	85 (1.3)	52 (0.9)	36 (0.6)	52 (0.9)
500	34	484 (7.5)	400 (6.6)	268(4.4)	225 (3.7)	186 (3.0)	115 (1.7)	75 (1.2)	50 (0.8)	35 (0.6)	52 (0.9)
750	48	324 (5.3)	364 (6.0)	256(4.2)	214 (3.5)	177 (2.9)	112 (1.8)	75 (1.2)	49 (0.8)	34 (0.6)	50 (0.8)
1000	69		320 (5.2)	236(3.9)	200 (3.3)	170 (2.8)	110 (1.8)	75 (1.2)	48 (0.8)	33 (0.5)	50 (0.8)
2000	138			174(2.9)	164 (2.7)	140 (2.3)	99 (1.6)	63 (1.1)	46 (0.8)	32 (0.5)	49 (0.8)
3000	207			42 (0.7)	122 (2.0)	107 (1.8)	88 (1.4)	53 (0.9)	43 (0.7)	30 (0.5)	49 (0.8)
4000	276				69 (1.1)	86 (1.4)	85 (1.3)	53 (0.9)	41 (0.7)	30 (0.5)	48 (0.8)
5000	345					60 (1.0)	75 (1.2)	38 (0.6)	38 (0.6)	29 (0.5)	46 (0.8)
8800	607						57 (0.9)	18 (0.3)	34 (0.6)	26 (0.4)	43 (0.7)
10000	690						40 (0.7)	8 (0.15)	30 (0.5)	23 (0.4)	41 (0.7)
12500	862								23 (0.4)	23 (0.4)	38 (0.6)
15000	1034								20 (0.3)	18 (0.3)	38 (0.6)
20000	1379								9 (0.15)	14 (0.2)	34 (0.6)
30000	2069									6 (0.1)	30(0.5)
33500	2310									6 (0.1)	23 (0.4)
40000	2759										20 (0.3)
45000	3103										12.2(0.2)
58000	4000										9.15(0.15)





Rigid stainless steel frame and reservoir for tough working environment.

Mounted with FRL unit, 6" dial, glycerine filled pressure gauge, level indicator.

Air on/off valve, bleed valve.

Suitable for fluids like water hydraulic oil and any other non-corrosive fluids.

Air consumption 50 scfm.

Option for Stroke Counter.

Output pressure upto 40600 psi.

Pump stalls at preset pressure and restart when pressure drops.

Rate of Discharge in liters/min (LPM) Air Drive 100 PSI (6.9 bar),

Pressure		LPU10	LPU20	LPU40	LPU60	LPU100	LPU130	LPU170	LPU240	LPU300	LPU400
PSI	BAR										
0		18.85	9.24	4.71	3.02	1.93	1.48	1.1	0.80	0.46	0.36
290	20	12.57	7.7	3.93	2.51	1.71	1.42	0.98	0.71	0.44	0.35
580	40	9.42	6.93	3.53	2.26	1.61	1.36	0.85	0.62	0.44	0.35
1015	70		6.16	3.14	2.01	1.53	1.23	0.75	0.55	0.42	0.33
1450	100		5.39	2.75	2.75	1.37	1.11	0.68	0.47	0.40	0.32
2175	150			2.36	1.51	1.21	0.99	0.61	0.42	0.38	0.30
2900	200			1.96	1.26	0.96	0.86	0.54	0.38	0.38	0.27
4350	300				1.01	0.8	0.74	0.48	0.33	0.34	0.24
5800	400				0.75	0.64	0.62	0.41	0.28	0.31	0.21
7250	500					0.56	0.49	0.34	0.24	0.27	0.18
8700	600					0.48	0.43	0.27	0.19	0.23	0.15
10150	700						0.37	0.24	0.16	0.19	0.14
13050	900							0.20	0.14	0.17	0.12
17400	1200							0.07	0.12	0.15	0.11
24650	1700								0.09	0.12	0.11
34075	2350									0.10	0.8
40600	2800										0.3

*At maximum pressure, the flow becomes zero.

LPU-D Series Pumps are Double Ended design to provide better flow.

Supplied with FRL, Air on/off valve, bleed valve.

Rigid stainless steel frame for tough working environment.

Air consumption 50 scfm.

Max. working Inlet Air Pressure is 8.3 Bar.

Available as bare pump units .



Model	Pressure Range (PSI)	Displacement Per Stroke (CC)	Port Size		Weight (Kg)
			Inlet	Outlet	
LPU2-10	0-1,203	294	3/4"	3/4"	25
LPU2-20	0-2,407	144	3/4"	3/4"	25
LPU2-40	0-4,814	73	1/2"	1/2"	25
LPU2-60	0-7,221	47	3/8"	3/8"	25
LPU2-100	0-12,035	30	3/8"	3/8"	25
LPU2-130	0-15,645	23	3/8"	3/8"	25

Rate of Discharge in liters/min (LPM) Air Drive 100 PSI (6.9 bar),																	
Model	Piston Rod Dia. (mm)	Max. Outlet Pressure (Bar) @7Bar Air	Out put Fluid Pressure(Bar)														
			0	20	40	70	100	150	200	300	400	500	600	700	900	1200	1700
			Flow Rate (LPM)														
LPU2-10	50	70	35.3	26.5	20.6	17.7	11.8										
LPU2-20	35	140	17.3	14.4	12.9	11.5	10.1	8.7									
LPU2-40	25	280	8.8	7.4	6.6	5.9	5.2	4.4	3.7								
LPU2-60	20	420	5.7	4.7	4.3	3.8	3.3	2.8	2.7	1.9	1.4						
LPU2-100	16	700	3.6	3.3	3.0	2.9	2.6	2.3	1.8	1.5	1.2	1.0	0.9				
LPU2-130	14	910	2.8	2.7	2.5	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.8	0.7	0.3		

*At maximum pressure, the flow becomes zero.

MAXIMUM CAPACITY : 40600 PSI

Air driven twin pumps.

Rigid stainless steel frame and reservoir for tough working environment.

Mounted with FRL unit, 6" dial, glycerine filled pressure gauge, level indicator.

Air on/off valve, bleed valve.

Suitable for fluids like water hydraulic oil and any other non-corrosive fluids.

Air consumption 50 scfm.

Option for Stroke Counter.

Output pressure upto 40600 psi.

Pump stalls at preset pressure and restart when pressure drops below set pressure.



LPUD400-10

Model	Pressure Range (PSI)	Low Pressure Pump Max. Flow (LPM)	High Pressure Pump Max. Flow (LPM)	Inlet Air Pressure (Bar)	Output Port Size	Weight (Kg)
LPUD100-10	0-10,150	18.85	1.93	7	1/2"NPT	75
LPUD170-10	0-17,255	18.85	1.10	7	9/16 HF9	75
LPUD240-10	0-24,360	18.85	0.8	7	9/16 HF9	75
LPUD400-10	0-40,600	18.85	0.36	7	9/16 HF9	75

Rate of Discharge in liters/min (LPM) Air Drive 100 PSI (6.9 bar),					
Pressure		LUPD100-10	LPUD170-10	LPUD240-10	LPUD400-10
PSI	BAR				
0		20.78	19.95	19.65	19.21
290	20	14.28	13.55	13.28	12.92
580	40	11.02	10.27	10.04	9.77
1015	70	1.53	0.75	0.55	0.33
1450	100	1.37	0.68	0.47	0.32
2175	150	1.21	0.61	0.42	0.30
2900	200	0.96	0.54	0.38	0.27
4350	300	0.8	0.48	0.33	0.24
5800	400	0.64	0.41	0.28	0.21
7250	500	0.56	0.34	0.24	0.18
8700	600	0.48	0.27	0.19	0.15
10150	700		0.24	0.16	0.14
13050	900		0.20	0.14	0.12
17400	1200		0.07	0.12	0.11
24650	1700			0.09	0.11
34075	2350				0.8
40600	2800				0.3



Heavy duty frame.

Panel mounted 6" Dial pressure gauges , pump regulator, air and water valves and drain valve.

Air-driven piston pump: lubricated air-driven pump suitable for harsh environments, pump adjustable entire range, automatically stalls at pre-set pressure, starts when pressure drops below set pressure.

All models are featured with double - acting piston pump as shown in picture(A). Suitable for oil, water and compatible chemicals. Safe for use in hazardous conditions because there are no electrical sparking problems or electrical connections.

Model	Pressure Range (PSI)	Pump Output Port Size	Pump Ratio	Weight (Kg)
LDAP40	0-4000	1/2"NPT	40:1	50
LDAP45	0-4500	1/2"NPT	45:1	50
LDAP65	0-6500	1/2"NPT	65:1	50
LDAP70	0-7000	1/2"NPT	69:1	50



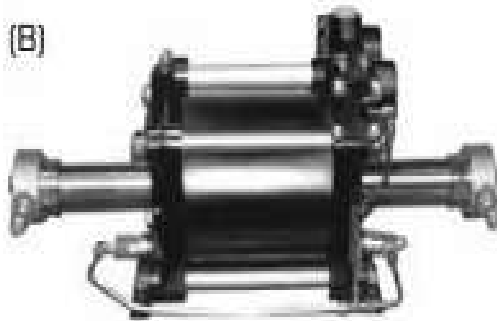
Heavy duty frame.

Panel mounted 6" Dial pressure gauges ,
pump regulator, air and water valves and
drain valve.

Air-driven air-driven piston pump: lubricated
air-driven pump suitable for harsh
environments, pump adjustable entire range,
automatically stalls at pre-set pressure, starts
when pressure drops below set pressure.



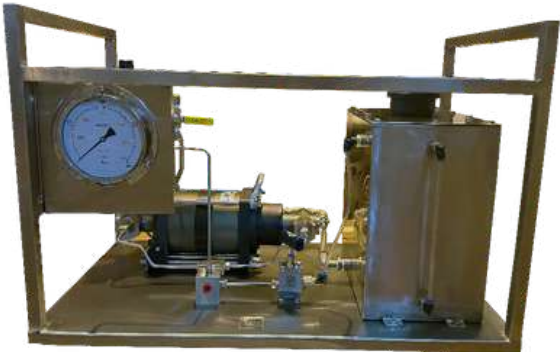
(B)



Model	Pressure Range (PSI)	Pump Output Port Size	Pump Ratio	Weight (Kg)
LDAP70D	0-8,290	1/2"NPT	70:1	70
LDAP100D	0-12,000	9/16-18 NBS (9/16"OD)	100:1	70
LDAP150D	0-18,700	9/16-18 NBS (9/16"OD)	150:1	70
LDAP200D	0-20,000	9/16-18 NBS (1/4"OD)	200:1	70
LDAP250D	0-30,600	9/16-18 NBS (1/4"OD)	250:1	70

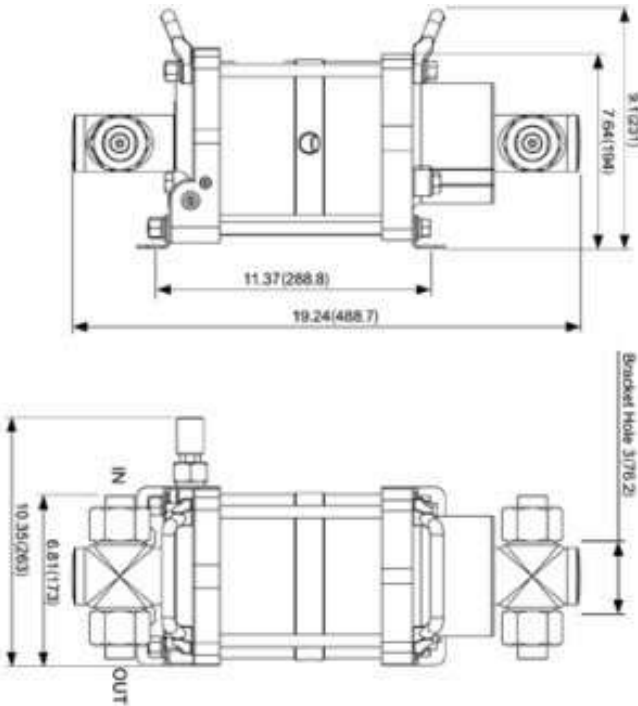
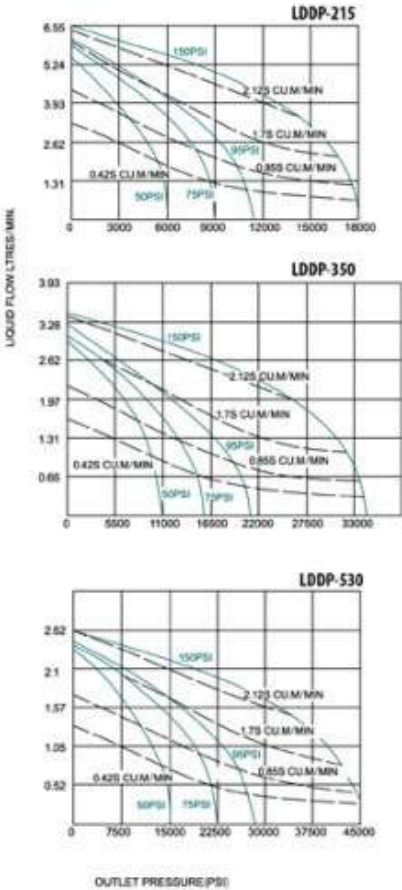
All models is fixed with double ended pump picture (B) produces high pressure liquid flow upto 2.5 gallons per minute and pressure upto 30600 PSI. The pumps are featured with fewer moving parts and seals which reduces maintenance. Pump unit is ideal for hydrostatic testing

Discharge Capacity - Cubic Inchs (Liters) per Minute - Approximate Based on 350 SCFM of air flow @ 120 PSI (8.3 bar)							
Pump Model No.	0psi (0 bar)	4000psi (276 bar)	8000psi (552 bar)	12000 psi (828 bar)	16000psi (1104 bar)	20000psi (1380 bar)	25000psi (1724 bar)
LDAP70D	(20) 793	(8) 671			-	-	
LDAP100D	(13) 536	(11) 397	427 (7)			-	
LDAP150D	(8.8) 525	(6.5) 510	305 (5)	183 (3)		-	
LDAP200D	(8.6) 344	(8.36) 250	470 (7.7)	375 (6.15)	230 (3.77)		
LDAP250D	(5.63)	(4.1)	183 (3)	147 (2.4)	135 (2.2)	122 (2.0)	120 (1.97)



Lifton LDDP Series Hydrotest Pumps are of Double ended with Double Drive with 200mm diaphragm diameter featured with medium flow rate at high pressure.

These models are available in 3 different models.All models are assembled in SS frame assembly,equipped with 6” dial pressure gauge, Filter Regulator & Lubricating unit.Pump start/ stop function is controlled by valve and also the unit is fixed with bleed valve to release the pressure.Inet air pressure of 10.3 bar is required to achive the max.Pressure



Model	Pressure Range (PSI)	Pump Output Ratio	Discharge per cycle(cc)	Max: Flow LPM	Pump Output Port Size	Weight (Kg)
LDDP-215	21,506	144:1	22	4.9	9/16-18 NBS (1/4"OD)	60
LDDP-350	35,844	240:1	13.4	3.0	9/16-18 NBS (1/4"OD)	60
LDDP-530	53,766	360:1	9	2.0	9/16-18 NBS (1/4"OD)	60

LDDP2 - SERIES

AIR DRIVEN HYDRO
TEST PUMP

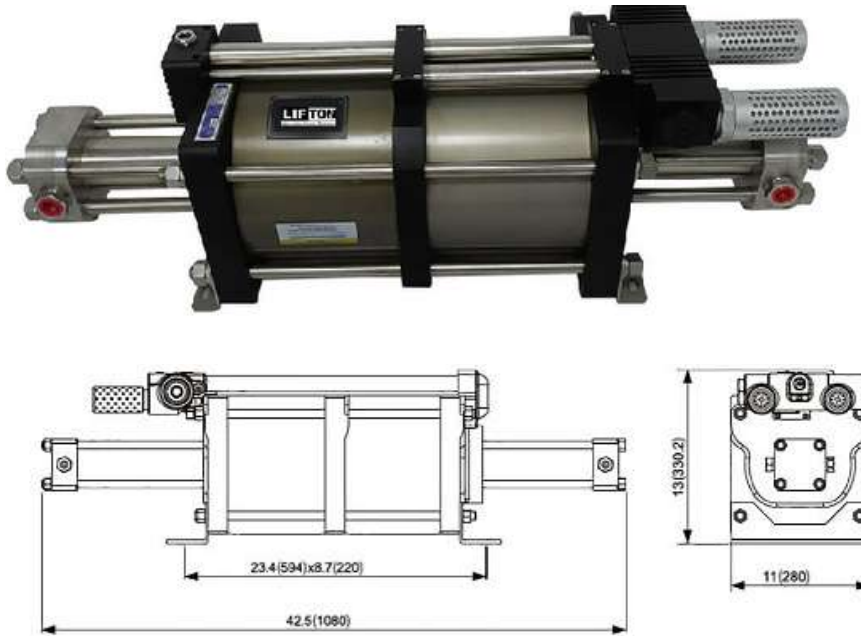
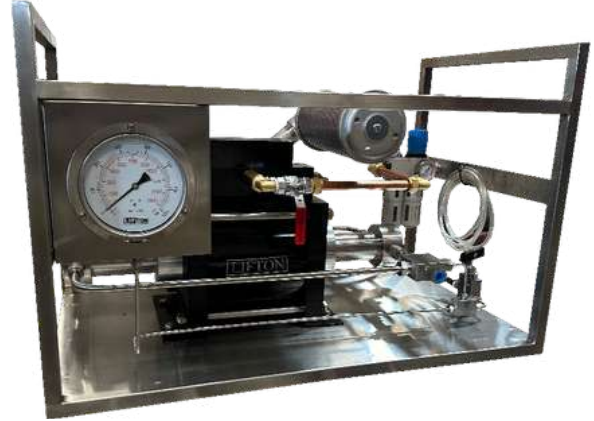
MAXIMUM CAPACITY: 60,000 PSI

LIFTON
Hydraulic Power Systems

TM

Lifton LDDP2- Series Hydrotest Pumps are of Double ended with Double Drive feature for very high flow rate and Pressure.

These models are available in 5 different models. All Models are equipped with 6" dial Pressure gauge, Filter Regulator & Lubricating unit. Pump Start stop function is controlled by valve and also the unit is fixed with bleed valve to release the pressure. Inlet air pressure required is 7 bar.



Model	Pressure Range (PSI)	Pump Output Ratio	Discharge per cycle(cc)	Max: Flow LPM	Pump Output Port Size	Weight (Kg)
LDDP2-60	6,800	68:1	350	31.0	1/2" FNPT	95
LDDP2-130	13,400	134:1	180	16.2	9/16" HF	95
LDDP2-250	25,000	250:1	98	8.8	9/16" HF	95
LDDP2-400	40,800	408:1	60.5	5.5	9/16" HF	95
LDDP2-600	60,000	608:1	40.5	3.65	9/16" HF	95



Models are available up to 300 bar pressure.

Single Speed Operations.

Light weight and portable.

Output port size 3/8" NPT female

All models are supplied with suitable pressure gauge.

Suitable to use non-corrosive multi fluids.

Non Corrosive SS tank.

Model	Working Pressure (Bar)	Flow Per Stroke(CC) LP/HP	Reservoir Capacity (Liters)	Weight(Kgs)
MTP-100	100	4.0	5	10
MTP-300	300	50/3		

MTP3 - SERIES
MANUAL HYDRO
TEST PUMP



Stainless steel multi fluid pumping unit.

Output port size 3/8" NPT female.

All models are supplied with suitable pressure gauge.

Suitable to use non-corrosive multi fluids.

Manual switchover of high pressure to low pressure pumping.

Model	Working Pressure (Bar)	Flow Per Stroke(CC) LP/HP		Reservoir Capacity (Liters)	Weight(Kgs)
		LP	HP		
MTP3-L5	500	45	3.8	10	22
MTP3-L7	700	45	3.8		
MTP3-L10	1000	32	2.6		