

HP | MANUALLY OPERATED PUMPS - ALUMINIUM

Two stage operation
Working pressure 700 bar
Six models with choice of control valve



- ▶ Oil reservoir capacity up to 5 litres
- ▶ Lightweight aluminium construction with external pressure release valve and factory set safety relief valve
- ▶ Changeover pressure is 14 bar

Model	Type	Displacement per stroke (cc)		Usable oil capacity (litres)
		1 st stage	2 nd stage	
HP211	Single acting	12.9	1	0.5
HP212	Single acting	12.9	2.3	1
HP232	Single acting	12.9	2.3	2
HP252	Single acting	12.9	2.3	5
HP232D	Double acting	12.9	2.3	2
HP252D	Double acting	12.9	2.3	5

HP | MANUALLY OPERATED PUMPS - HIGH FLOW

Heavy duty steel construction
Working pressure 700 bar
2 stage with semi automatic changeover



- ▶ Oil reservoir capacity 10 litres
- ▶ Factory set safety relief valve fitted as standard
- ▶ Available with 2-way valve for use with single acting cylinders and 4-way valve for use with double acting cylinders

Model	Type	Displacement per stroke (cc)		Usable oil capacity (litres)
		1 st stage	2 nd stage	
HP245	Single acting	113	4	10
HP245D	Double acting	113	4	10

HP | MANUALLY OPERATED PUMPS - STEEL

Single or two stage operation
Durable steel construction
Working pressure 700 bar



- ▶ Oil reservoir capacity up to 4.1 litres
- ▶ External pressure release valve and factory set safety relief valve
- ▶ Low handle effort and ergonomic grip for easy operation

Model	For Cylinder	Displacement per stroke (cc)		Usable oil capacity (litres)
		1 st stage	2 nd stage	
HP110	Single acting	2.9	-	1
HP227	Single acting	12.9	2.3	2.3
HP257	Single acting	12.9	2.3	4.1

HP-FP | MANUALLY OPERATED FOOT PUMPS

Working pressure 700 bar
Two stage operation
Durable steel construction



- ▶ Oil reservoir capacity 2.3 litres
- ▶ External pressure release valve and factory set safety relief valve
- ▶ Wide foot pedal for easy and controlled pumping action

Model	Type	Displacement per stroke (cc)		Usable oil capacity (litres)
		1 st stage	2 nd stage	
HP227FP	Single acting	12.9	2.3	2.3
HP227FPC	Single acting	12.9	2.3	2.3

HPX | MANUALLY OPERATED ULTRA HIGH PRESSURE PUMPS

Compact lightweight aluminium construction
Two stage operation
Choice of 1500 or 2800 bar pressure rating



- ▶ Oil reservoir capacity 1.2 litres
- ▶ External pressure release valve and factory set safety valve
- ▶ Specifically designed for high pressure applications

Model	Working pressure (bar)	Displacement per stroke (cc)		Usable oil capacity (litres)
		1 st stage	2 nd stage	
HPX1500	1500	20	1	1.2
HPX2800	2800	20	0.8	1.2

HEP1 | ELECTRIC DRIVEN LIGHTWEIGHT MINI PUMPS WITH CARRYING STRAP

Working pressure 700 bar
Two stage operation
Lightweight, compact design



- ▶ Oil reservoir capacity 0.8 litres
- ▶ Choice of 110 or 240 volt single phase electric motor with 2-way electric solenoid valve
- ▶ Internal safety overload valve
- ▶ Remote pendant controller with 3 meter length cable and hand carrying strap

Model	Motor voltage	Maximum flow rate (litres/minute)		Usable oil capacity (litres)
		1 st stage	2 nd stage	
HEP1212S	240V - 1Ph	2	0.2	0.8

**HEP103 | ELECTRIC DRIVEN TWO STAGE
COMPACT PUMPS**

Working pressure 700 bar
Two stage operation Single Phase
Choice of valve options



- ▶ Oil reservoir capacity 4 litres
- ▶ Choice of 110 or 240 volt single phase electric motors with 50/60 Hz dual frequency
- ▶ Choice of manual or electric powered control valves in 2, 3 or 4-way configuration

Model	Motor voltage	Max flow rate (lit/min)		Usable oil capacity (litres)
		1 st stage	2 nd stage	

Below model is with solenoid valve, suitable for use with single acting cylinders and tools, requiring load holding.

HEP103242LS 240V-1Ph 2.5 0.35 4

Below model is with solenoid valve, suitable for use with single acting cylinders and tools, requiring auto retract

HEP103242S 240V-1Ph 2.5 0.35 4

Below model is with manually operated valve, suitable for use with single acting cylinders and tools

HEP103342 240V-1Ph 2.5 0.35 4

Below model is with manually operated valve, suitable for use with double acting cylinders and tools

HEP103442 240V-1Ph 2.5 0.35 4

Below model is with solenoid valve, locking feature on A and B part, suitable for use with double acting cylinders and tools, requiring load holding

HEP103442LS 240V-1Ph 2.5 0.35 4

**HEP2 | ELECTRIC DRIVEN PUMPS -
GENERAL DUTY MEDIUM FLOW**

Working pressure 700 bar
Two stage operation
Choice of 10 or 25 litre oil reservoir



- ▶ Choice of 110, 230 or 400/460 volt electric motors available as standard
- ▶ Choice of 2, 3 or 4-way manual control valves with load holding feature on 3 & 4-way versions
- ▶ Externally adjustable pressure relief for pressure settings up to 700 bar
- ▶ Maximum Flow rate for 1st Stage 7 2nd Stage 0.65 litres per minute

Model	Motor voltage	Max flow rate (lit/min)		Usable oil capacity (litres)
		1 st stage	2 nd stage	

Two stage electric operated hydraulic pump for single acting cylinders and tools

HEP207212 230V-1Ph 7 0.65 10

HEP207214 400V-3Ph 7 0.65 10

HEP207222 230V-1Ph 7 0.65 25

HEP207224 400V-3Ph 7 0.65 25

HEP207312 230V-1Ph 7 0.65 10

HEP207314 400V-3Ph 7 0.65 10

HEP207322 230V-1Ph 7 0.65 25

HEP207324 400V-3Ph 7 0.65 25

Two stage electric operated hydraulic pump for double acting cylinders and tools

HEP207412 230V-1Ph 7 0.65 10

HEP207414 400V-3Ph 7 0.65 10

HEP207422 230V-1Ph 7 0.65 25

HEP207424 400V-3Ph 7 0.65 25

**HEP3 & HEP4 | ELECTRIC DRIVEN PUMPS -
GENERAL DUTY HIGH FLOW**

Working pressure 700 bar
Two stage operation
25 to 60 litre oil reservoir



- ▶ Choice of 110, 230 or 400/460 volt electric motors available as standard
- ▶ Choice of 2, 3 or 4-way manual control valves with load holding feature on 3 & 4-way versions
- ▶ Externally adjustable pressure relief for pressure settings up to 700 bar
- ▶ Maximum Flow rate for 1st Stage 9 2nd Stage 1 litres per minute

Model	Motor voltage	Max flow rate (lit/min)		Usable oil capacity (litres)
		1 st stage	2 nd stage	

Two stage electric driven pumps for single acting cylinders and tools

HEP310222 230V-1Ph 9 1 25

HEP310224 400V-3Ph 9 1 25

HEP310322 230V-1Ph 9 1 25

HEP310324 400V-3Ph 9 1 25

HEP410242 230V-1Ph 9 1 40

HEP410244 400V-3Ph 9 1 40

HEP410262 230V-1Ph 9 1 60

HEP410264 400V-3Ph 9 1 60

HEP410342 230V-1Ph 9 1 40

HEP410344 400V-3Ph 9 1 40

HEP410362 230V-1Ph 9 1 60

HEP410364 400V-3Ph 9 1 60

Two stage electric driven pumps for double acting cylinders and tools

HEP410442 230V-1Ph 9 1 40

HEP410444 400V-3Ph 9 1 40

HEP410462 230V-1Ph 9 1 60

HEP410464 400V-3Ph 9 1 60

**HEP5 | ELECTRIC DRIVEN PUMPS -
HEAVY DUTY HIGH FLOW**

Working pressure 700 bar
Two stage operation
Choice of 40 or 60 litre oil reservoir



- ▶ 400/460 volt electric motors available as standard
- ▶ Choice of 2, 3 or 4-way manual control valves with load holding feature on 3 & 4-way versions
- ▶ Externally adjustable pressure relief for pressure settings up to 700 ba
- ▶ Completely enclosed fan cooled low noise electric motors

Model	Motor voltage	Maximum flow rate (litres/minute)		Usable oil capacity (litres)
		1 st stage	2 nd stage	

Two stage electric driven pumps for single acting cylinders and tools

HEP517244 400V-3Ph 17.5 1.9 40

HEP517264 400V-3Ph 17.5 1.9 60

HEP517344 400V-3Ph 17.5 1.9 40

HEP517364 400V-3Ph 17.5 1.9 60

Two stage electric driven pumps for double acting cylinders and tools

HEP517444 400V-3Ph 17.5 1.9 40

HEP517464 400V-3Ph 17.5 1.9 60

AHP11 | AIR DRIVEN SINGLE STAGE HAND OR FOOT OPERATED PUMPS

Working pressure 700 bar

Compact, lightweight & powerful

Choice of 2.4, 5 or 10 litres oil reservoir



- ▶ Choice of 2-way or 4-way control valves
- ▶ Safety overload protection valve fitted as standard
- ▶ All models fitted with steel oil reservoir (excluding AHP1120)

Model	Max flow rate (lit/min)	Usable oil capacity (litres)	Air inlet connection
-------	-------------------------	------------------------------	----------------------

Air driven pumps for single acting cylinders and tools

AHP1120	0.8	2.4	1/4"
AHP1121	0.8	5	1/4"
AHP1122	0.8	10	1/4"

Air driven pumps for double acting cylinders and tools

AHP1141	0.8	5	1/4"
AHP1142	0.8	10	1/4"

MANIFOLDS

Working pressure 700 bar

Choice of open or controlled manifolds

2, 4, 6 or 8 outlet port models available



- ▶ Designed for easy control of the direction of flow of the hydraulic fluid within the system
- ▶ Available as open manifold blocks or with individual needle type shut off/throttle valves on each outlet

Model	Type	No. of Outlets
HM2	open manifold	2
HM4	open manifold	4
HM6	open manifold	6
HM8	open manifold	8
HM4L	open manifold	4
HM6L	open manifold	6
HM2C	controlled manifold	2
HM4C	controlled manifold	4

HAP | AIR DRIVEN PUMPS - GENERAL DUTY HIGH FLOW

Working pressure 700 bar

Two stage operation

Choice of 10 or 25 litres oil reservoir



- ▶ Driven by a powerful 3 kW rotary air motor with a maximum air consumption of 2.4 m³ per minute at 7 bar inlet air pressure
- ▶ Choice of 2, 3 or 4-way manual control valves with load holding feature on 3 & 4-way versions
- ▶ Externally adjustable pressure relief valve for pressure setting up to a maximum of 700 bar

Model	Maximum flow rate (litres/minute)	Usable oil capacity (litres)
	1 st stage	2 nd stage

Two stage air driven pumps for single acting cylinders and tools

HAP21021	10	1.3	10
HAP21022	10	1.3	25
HAP21031	10	1.3	10
HAP21032	10	1.3	25

Two stage air driven pumps for double acting cylinders and tools

HAP21041	10	1.3	10
HAP21042	10	1.3	25

CONTROLLED MANIFOLD ASSEMBLIES

Working pressure 700 bar

Up to 4 outlets with individual control on each

Choice of manifolds for single or double acting systems



- ▶ Pressure gauges fitted to advance ports on all models
- ▶ Quick connect couplings fitted as standard to all inlet and outlet ports
- ▶ Precise control of oil flow and pressure within the hydraulic system

Model	Description
HM2C-SU	2-way controlled manifold unit, suitable for single acting systems
HM2C-DU	2-way controlled manifold unit, suitable for double acting systems
HM4C-SU	4-way controlled manifold unit, suitable for single acting systems
HM4C-DU	4-way controlled manifold unit, suitable for double acting systems

HPP | PETROL ENGINE DRIVEN PUMPS - GENERAL DUTY HIGH FLOW CHOICE

Working pressure 700 bar

Two stage operation

Choice of 25, 40 or 60 litres oil reservoir



- ▶ Choice of 2, 3 or 4-way manual control valves with load holding feature on 3 & 4-way versions
- ▶ Externally adjustable pressure relief valve for pressure setting up to a maximum of 700 bar
- ▶ Factory fitted roll bar protection frame included

Model	Maximum flow rate (litres/minute)	Usable oil capacity (litres)
	1 st stage	2 nd stage

Two stage petrol engine pumps for single acting cylinders and tools

HPP21022	10	1.3	25
HPP21024	10	1.3	40
HPP21026	10	1.3	60
HPP21032	10	1.3	25
HPP21034	10	1.3	40
HPP21036	10	1.3	60

Two stage petrol engine pumps for double acting cylinders and tools

HPP21042	10	1.3	25
HPP21044	10	1.3	40
HPP21046	10	1.3	60

BPP | BATTERY POWERED HYDRAULIC PUMP

Working pressure 700 bar

14.4V long life battery

Lightweight design



- ▶ Powerful hydraulic pump driven by 14.4 volt battery
- ▶ Compact and lightweight design with shoulder strap for easy carrying
- ▶ External pressure release valve and factory set safety valve

Model	Type	Displacement per stroke (cc)		Usable oil capacity (litres)
		1 st stage	2 nd stage	
BPP107	Single acting	0.5	0.15	0.7