

# HYDRAPAK RANGE

Hydrapak are kept throughout the world as a back-up system or alternative pumping method when power packs or power sources fail.

## Fast

Two speed operation gives rapid prefill or no load approach, push button changeover to high pressure

## Compact

Small in size but develops up to 1000 bar pressure

## Portable

Lightweight aluminium keeps weight down to 4.5 kg

## Safe

Optional factory fitted relief valve prevents over pressurisation

## Range

Seven working pressures from 110 bar to 1000 bar available

## High Flow

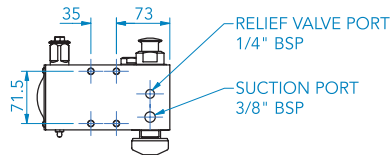
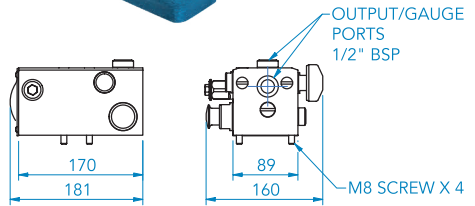
Interchangeable plungers allow selection of optimum pressure / flow characteristics

## Seals

Choice of EP or Nitrile seals

## Accessories

Double acting valve, cisterns, tanks, frames, gauges and fixing kits are available



## Pressure / Flow Characteristics

	PHO6000		PHO5000		PHO4000		PHO3000		PHO2000		PHO1000		PHO0000	
	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI
Max Pressure H.P. Stage	110	1600	172	2500	310	4500	448	6500	552	8000	700	10000	1000	14,500
Max Pressure L.P. Stage	52	750	52	750	52	750	52	750	52	750	52	750	52	750
	CC	CU INS	CC	CU INS	CC	CU INS	CC	CU INS	CC	CU INS	CC	CU INS	CC	CU INS
Displacement per Stroke H.P. Stage	22.61	1.38	14.47	0.883	8.13	0.496	5.65	0.345	4.57	0.279	3.62	0.221	2.5	0.153
Displacement per Stroke L.P. Stage	50.8	3.1	50.8	3.1	50.8	3.1	50.8	3.1	50.8	3.1	50.8	3.1	50.8	3.1

Cubic Centimetres (CC) and Cubic Inches (CU INS)

# HYDRAPAK ACCESSORIES

## Fluid Compatibility

The standard pump is supplied with nitrile seals suitable for use with mineral oils, water, oil/water emulsions, paraffin and glycerine. The pump body should not be left in contact with water for prolonged periods. After using salt water in the pump, thoroughly flush clean. Ethylene Propylene (E.P.) seals are available to order for applications using phosphate ester based hydraulic fluids and vegetable based brake fluid. E.P. seals are compatible with skydrol 500B and LD4. Please contact our technical department if in doubt.

## Pressure Relief Valve

A factory fitted pressure relief valve may be fitted to the pump and set at any specified pressure between 56 and 700 bar. We strongly recommend that all Hydrapak are fitted with a pressure relief valve to prevent overloading and exceeding maximum safe working pressures.

## Gauges

100 mm gauges and fixing kit are available for horizontal mounting of a pressure gauge above the top face of the pump. For pumps with a double acting valve a fixing kit for vertical mounting is supplied. Seven standard gauges corresponding to the seven standard pressure ratings are available.

## Double Acting Valve

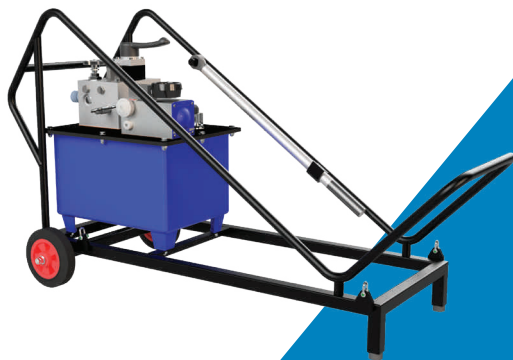
A three position, four port valve for control of double acting cylinders is offered as a factory fitted option. Valve outlets are tapped 3/8 NPT. There is no release valve assembly fitted to the pump body and although internal leakage of the valve is minimal, isolation valves should be fitted to circuits where pressure must be sustained.

## Tanks

A range of standard tanks to satisfy most requirements is illustrated in the Hydrapak Configurator on p20. The Hydrapak can easily be fitted to custom built tanks.

## Interchangeable Plungers

High/low pressure plunger kits can be supplied to change the pressure/flow characteristics to any of the seven standards.



# HYDRAPAK CONFIGURATOR

P H

**Double Acting Valve**

- O** - No Valve
- V** - Double Acting Valve Fitted

**Gauge**

- O** - No Gauge
- G** - 100mm Gauge Fitted

**Pressure Rating**

- 0** - 1000 Bar/14,500 PSI
- 1** - 700 Bar/10,000 PSI
- 2** - 552 Bar/8000 PSI
- 3** - 448 Bar/6500 PSI
- 4** - 310 Bar/4500 PSI
- 5** - 172 Bar/2500 PSI
- 6** - 110 Bar/1600 PSI

**Tank and Skid**

- 0** - No Tank or Skid
- 1** - 1 gal (4.5L) tank, no skid
- 2** - 2 gal (9L) tank, no skid
- 3** - 4 gal (18L) tank, no skid
- 4** - 6 gal (27L) tank, no skid
- 5** - 1 gal (4.5L) tank, with skid
- 6** - 2 gal (9L) tank, with skid
- 7** - 1 gal (4.5L) tank, with frame
- 8** - 2 gal (9L) tank, with frame

**Relief Valve**

- O** - No Valve
- R** - Relief Valve Fitted



**Tubular  
Frame**



**Skid**

# HYDROSTATIC TEST PUMP

Hydrostatic testing is a vital element in verifying gas and fluid pressure vessels such as pipelines, cylinders, boilers, and fuel tanks. The Tangye HTP Hydrostatic Test Pump is a self-contained, portable unit capable of providing up to 1000 Bar working pressure.

Hydrostatic Test Pump supplied complete with tank, skid, handle & gauge

Range of pressures available

Relief valve fitted as standard

Compatible with a range of fluid media

Hoses available on request

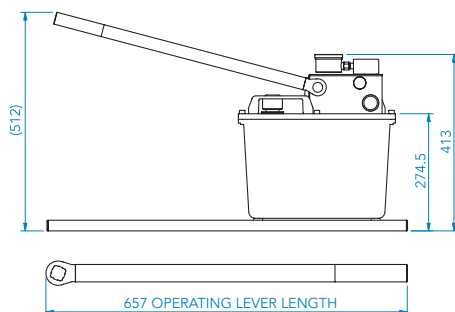
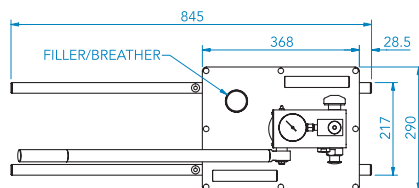
Robust design

23 kg total dry weight

Up to 1000 Bar working pressure

16 Litre capacity across the pressure range

High pressure and low pressure stages with manual change over at pump



**TANGYE**

# HYDROSTATIC TEST PUMP

Model Number	H.P. Stage Max		L.P. Stage Max		L.P. Stage Displacement per Stroke (CC)	Valve Type	H.P. Stage Displacement per Stroke (CC)	Outlet Port	Suction Port
	Bar	PSI	Bar	PSI					
HTP110	110	1600	52	750	50.8	2-way	22.6	3/8" BSPP	3/8" BSPP
HTP170	172	2500	52	750	50.8	2-way	14.5	3/8" BSPP	3/8" BSPP
HTP310	310	4500	52	750	50.8	2-way	8.1	3/8" BSPP	3/8" BSPP
HTP440	448	6500	52	750	50.8	2-way	5.7	3/8" BSPP	3/8" BSPP
HTP550	552	8000	52	750	50.8	2-way	4.6	3/8" BSPP	3/8" BSPP
HTP700	700	10000	52	750	50.8	2-way	3.6	3/8" BSPP	3/8" BSPP
HTP1000	1000	14500	52	750	50.8	1-way	2.5	3/8" BSPP	3/8" BSPP