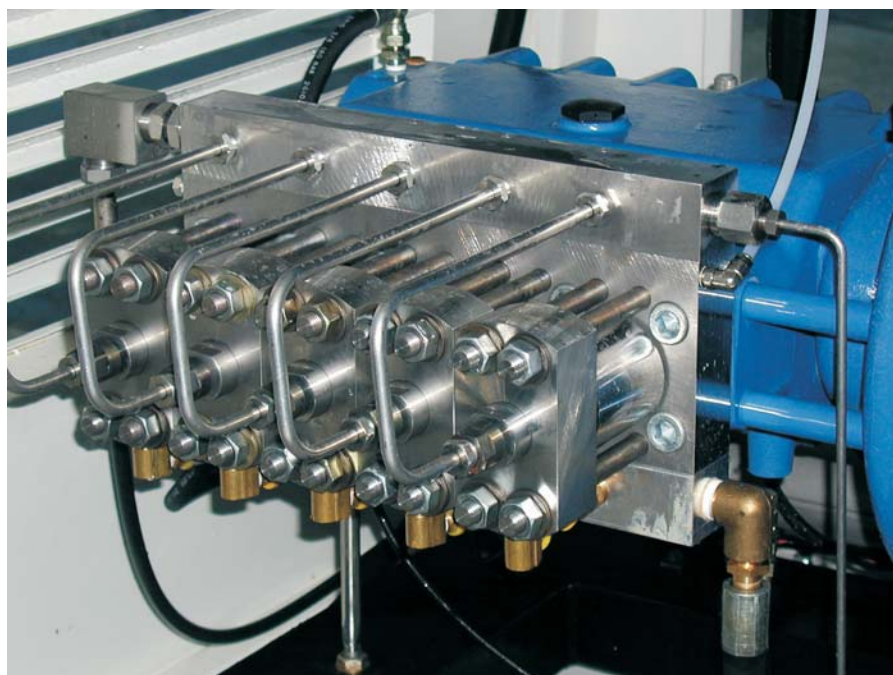




# HPS1500

## HIGH PRESSURE QUINTUPLEX PUMP



Pump Head Type	Plungers (High Pressure)							Plungers (Intermediate)		
	UHP	22	24	26	28	30	35	40	45	50
Diameter - mm	14	22	24	26	28	30	35	40	45	50
Input Power - kW	110	105	110					110		
Pump Speed - rpm	500							500		
Flow Rate - l/min	22	56	68	80	90	106	145	185	238	295
Pressure - bar	2700	1000	870	770	670	575	425	330	260	209

A robust design, the HPS1500 has a specification producing a heavy duty capability for dealing with the more difficult problems of industry.

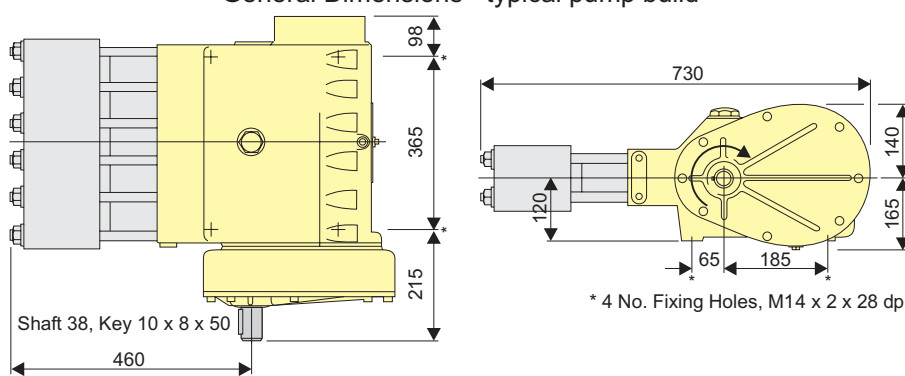
The close coupled, gear driven power end has pressure lubrication, filtration and oil cooling. Standard adaptor housings are available enabling the pump to be flange mounted to a diesel engine flywheel housing or electric motor ensuring extremely

compact and perfectly aligned installations.

For maximum hydraulic efficiency, the in-line valve pump head arrangement is designed to minimise the unswept volume.

This improved design is capable of high pressure to high volume with outstanding seal, plunger and valve life.

General Dimensions - typical pump build



Approx weight - 300 kg (with gearbox)

### Features:

- \* Robust, rugged and reliable
- \* Versatile (interchangeable fluid heads and plunger kits to ultra high pressures)
- \* Stainless steel fluid heads (431 standard or 316)
- \* 110 kW (150 hp) input
- \* Hardened, alloy steel crankshaft with heavy duty roller and steel backed white metal main bearings, supported between each connecting rod
- \* SG iron crankcase with pressure lubrication, filtration and oil cooling
- \* Forged connecting rods with low friction, shell type big end bearings and lead bronze lined small end bushes

### Build Options:

- \* Choice of gear ratio to suit electric motor or diesel engine drive
- \* Standard adaptor housings (SAE 2 & 3) for flange mounting the pump to a diesel engine flywheel housing or electric motor
- \* Piston kits for high volume applications
- \* Safety relief valves
- \* Unloading valves
- \* Selector/Diverter valves (manual or actuated)
- \* Complete unit build or bare shaft pump only



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In line with the Company's policy of research and development, alterations in design, dimensions and appearance are incorporated from time to time in order to ensure that important developments are included at the earliest opportunity. The Company, therefore, reserves the right to alter design, dimensions etc without notice.