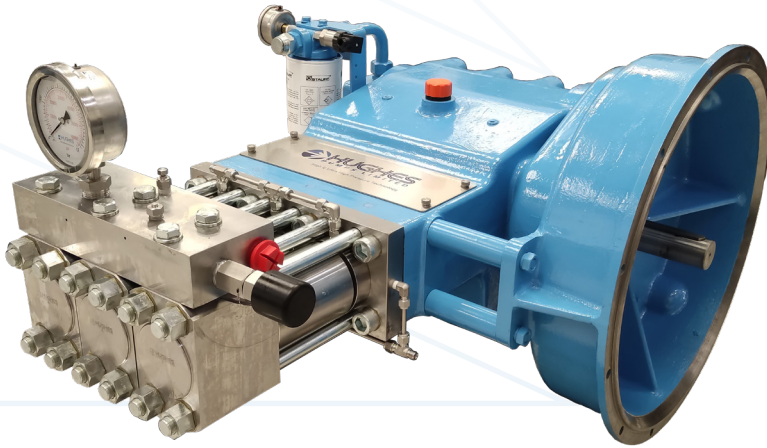


Ultrabar 30 UHP Pump



Maximum Power

220HP

160kW



Maximum Pressure

2800bar
at 30lpm

40,600psi at 7.9gpm



Maximum Flowrate

44lpm
at 2000bar

11.8gpm at 29,000psi

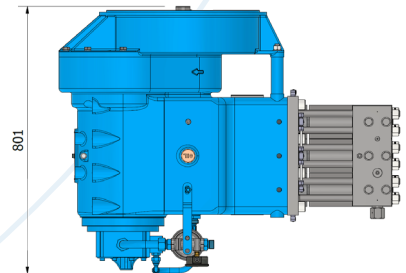
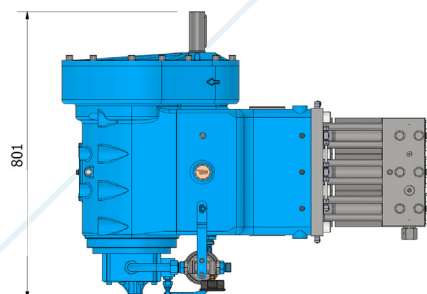
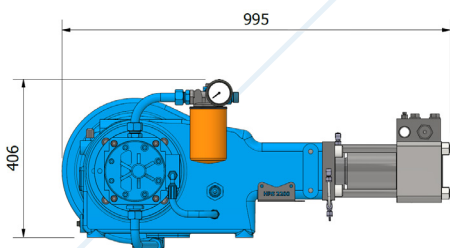


Features

- Alloy steel, modular pumphead that allows seals & valves to be monitored without tools & maintenance on individual cylinders
- Solid tungsten carbide/ceramic plungers with floating crosshead attachment & self adjusting seals
- In-line valve arrangement for maximum efficiency & prevents the adverse effects of cyclic stress in the pumphead.
- Interchangeable plunger kits
- Hardened, alloy steel crankshaft with heavy duty roller and steel backed white metal main bearings, supported between reach connecting rod.
- SG iron crankcase with pressure lubrication, oil filtration and oil cooling.
- Forged connecting rods with low friction, shell type big end bearings and lead bronze lined small end bushes
- Gear driven, eliminating the need for belt drive
- Pressure gauge
- Burst disc
- Outstanding seal, plunger & valve life.

Options

- Choice of gear ratio to suit diesel engine or electric motor drive
- SAE adaptor housing (SAE 1, 2 or 3) for flange mounting the pump to a diesel engine flywheel housing ensuring extremely compact, perfectly aligned installations & enclosing all moving parts.
- P14mm version uses the splash lubricated HP120 power-end.
- Bareshaft pump only or complete unit build
- ATEX compliant
- Convertible to 1000/1400 bar (14,500/20,300psi). See HP220 data sheet.
- UHP pressure gauge or pressure transducer



Approx. weight
443kgs (975lbs)

Approx. weight inc optional SAE housing
473kgs (1,040lbs)

Ultrabar 30 UHP Pump

Plunger Diameter mm	Gear Ratio Input speed(rpm)				Pump Speed rpm	Power Required		Flow rate		Max Pressure	
	1500	1800	2000	2200		kW	HP	lpm	usgpm	bar	psi
14	5.71				263	46	61	10	2.6	2800	40,600
		5.71			315	55	74	12	3.1		
	4.53				331	58	78	12	3.2		
			5.71		350	61	82	13	3.4		
				5.71	385	67	90	14	3.8		
		4.53			397	69	93	15	3.9		
	3.70				405	71	95	15	4.0		
			4.53		442	77	103	16	4.3		
	3.09				485	85	114	18	4.8		
		3.70			486	85	114	18	4.8		
18				4.53	486	85	114	18	4.8	2800	40,600
	5.71				263	76	102	16	4.3		
		5.71			315	91	122	19	5.1		
	4.53				331	96	128	20	5.4		
			5.71		350	101	136	21	5.7		
				5.71	385	111	149	24	6.2		
		4.53			397	115	154	24	6.4		
	3.70				405	117	157	25	6.6		
			4.53		442	127	171	27	7.1		
	3.09				485	140	188	30	7.9		
22		3.70			486	140	188	30	7.9	2000	29,000
				4.53	486	140	188	30	7.9		
	5.71				263	81	108	24	6.4		
		5.71			315	97	130	29	7.6		
	4.53				331	102	137	30	8.0		
			5.71		350	108	145	32	8.5		
				5.71	385	119	159	35	9.3		
		4.53			397	122	164	36	9.6		
	3.70				405	125	167	37	9.8		
			4.53		442	136	182	40	10.7		
3.09				485	150	200	44	11.7			
	3.70			486	150	201	44	11.8			
			4.53	486	150	201	44	11.7			

Notes 1. Flowrates shown are theoretical and will reduce by approximately 10 to 12.5% at full pressure. 2. Pump stroke 80mm
3. Consult Hughes Pumps for required feed conditions. 4. P14 build uses HP120 power-end.

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Certification number 4257



Manufactured in
the UK since 1970

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 important developments are included at the earliest opportunity. The Company, therefore, reserves the right to alter design, dimensions etc without notice.