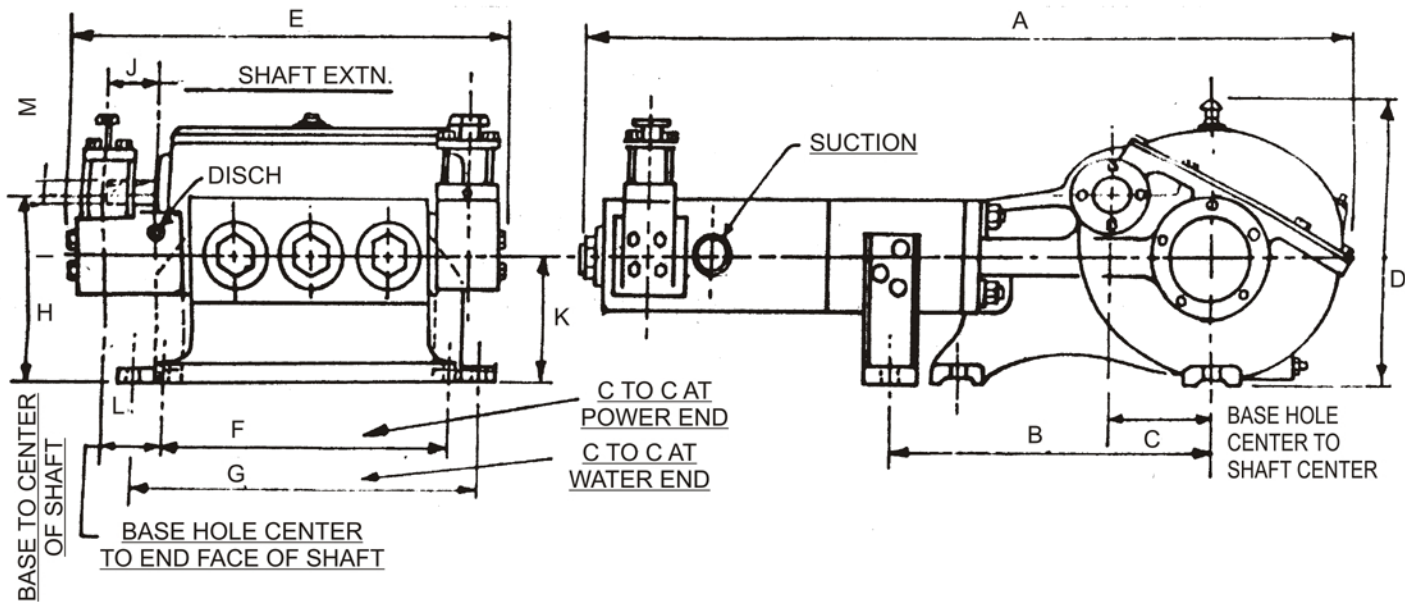
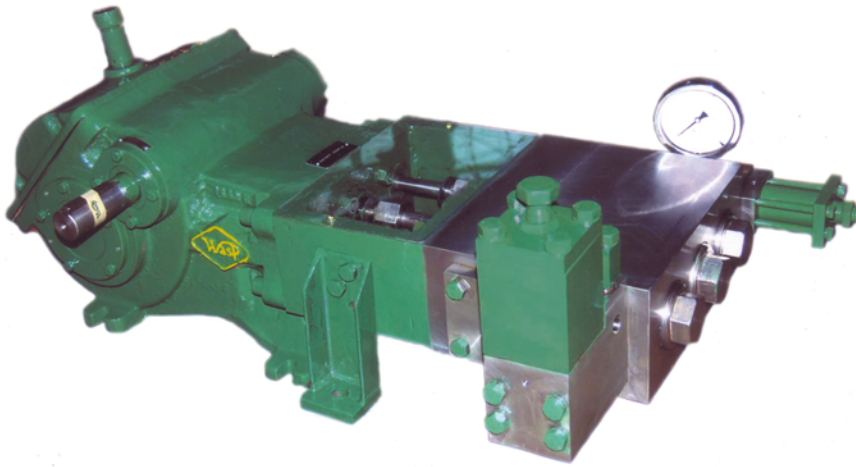


# SI 4000/7500 Series

# Very High Pressure Reciprocating Pumps



The 'WASP' Series SI - 7500 and SI - 4000 are Very High Pressure Triplex Reciprocating Pumps designed with precision and care to the exacting standards of modern times. They are manufactured in technical collaboration with FE Myers, U.S.A., one of the leading manufacturers of high quality pumps in the world and pioneers in high pressure pumping. Rigorous tests have proved the SI - 7500 and SI - 4000 to provide one of the most reliable performances. This versatile pump which can give upto 10,000 p.s.i. pressure, has various industrial applications.



## DIMENSIONS IN MM

Pump Type	A	B	C	D	E	F	G	H	J	K	L	M
SI 4000	963	413	104.7	337	590	355.5	395	241.3	90	162	105	41.27 DIA
SI 7500	1076	464	138.11	432	660	406.4	428.62	266.7	87.31	180.97	105	41.27 DIA

## FLUID - END COMPONENTS

**Cylinder Body** is machined from a solid forged block of stainless steel and ultrasonically tested to give the best performance under tough working conditions.

**Discharge Valve Assembly** is tapered guided and spring loaded for positive closing action and higher efficiency. Valve and valve seats are made of hardened stainless steel, precision machined and ground.

The fluid-end design provides an inline configuration of the suction valve assembly and plunger to allow virtually unrestricted fluid flow. It minimizes the feed pressure requirement.

**Plungers** are made from hardened stainless steel with a thick layer of hard chrome plating. They are precision machined, ground, lapped and polished.

**Special packing seal** is provided against plunger with no-wear sensitive lips.

**Safety Valve** is integrally mounted with fluid cylinder body. It is preset and sealed at the factory to prevent water pressure from exceeding the limit, thus protecting the pump and accessories.

**Flange Mounted Automatic Unloader** consists of spring loaded non-return valve and a by-pass control valve to adjust the pressure to the desired level. It is used along with a high pressure gun and foot operated valve when there is no need for sudden starting and stopping. When the line is shut-off instantaneously, the unloader bypasses the water back to the pump, at

practically water inlet pressure. It therefore unloads and makes the pump run on no load. If a gun is started the bypass is stopped and the pump is put back to original pressure.

## POWER - END COMPONENTS

**Gearcase** of rugged cast iron protects the gears and serves as oil reservoir for continuous lubrication. Cover section quickly removable for easy service.

**Pinion & main gear** are helical cut and machined from high-strength alloy steel, and rotate in either direction. Integral pinion shaft is also machined from high-strength alloy steel.

**Automotive type crankshaft** is of high strength ductile iron.

**Shaft bearings** feature tapered roller bearings.

**Crankshaft journal bearings** are automotive type, steel-backed inserts.

**Connecting links** are ductile iron with replaceable bronze wrist-pin bearings. Wrist pins are press fitted into the crossheads.

**Piston "pony" rods** are smoothly ground and highly - polished stainless steel, threaded and pinned axially to crosshead.

Continuous splash lubrication is provided during either direction of rotation.

## H. P. REQUIREMENT

Performance Table at 960 RPM PINIONSPEED

Pump Type	Capacity in LPM	HP														
		5	7.5	10	12.5	15	20	25	30	40	50	60	75	80	100	
		PRESSURE IN KG/CM <sup>2</sup>														
SI 4014	15.0	189	284	380	485	579	758	945	1136	1665	1893					
SI 4018	24.0		168	231	284	348	464	579	708	945	1181					
SI 4022	36.0			147	189	231	305	390	464	630	788					
SI 4026	50.0				137	168	221	273	336	443	567					
SI 4028	58.0				116	137	189	242	284	380	485					
SI 4030	66.0						168	210	252	336	422					
SI 4032	76.0							179	221	294	369					
SI 4036	96.0							147	168	231	284					
SI 7514	16.0							528	843	1148	1320	1563	1584	1755	1928	
SI 7522	40.0										714	870	1056	1109	1320	
SI 7526	53.0										537	633	770	843	1056	
SI 7528	62.0										459	558	681	744	908	
SI 7530	72.0										398	483	591	645	792	
SI 7532	82.0										351	428	519	569	696	
SI 7536	104.0										275	336	410	447	528	



## WASP PUMPS (INDIA) LLP

Regd. Sales Office & Works:

Plot No. 113, Road No. 21, Wagle Industrial Estate, Thane 400604

GST: 27AAFFW0904N1ZX, Tel: +91 98210 21183,

Email: wasppumps@rediffmail.com Website : www.wasppumps.com

