



The 'WASP' Series SI - 104 is a compact, light weight triplex reciprocating pump. It combines WASP manufacturing expertise and understanding of application to provide a perfect pump for medium to high pressure jobs. At WASP, we know your need and we deliver.

APPLICATIONS :

1. Spraying insecticides / germicides.
2. Washing of vehicles.
3. Industrial cleaning / washing of floors & surfaces.
4. Descaling wires / rods.
5. Boiler feeding.
6. Raising water to higher altitudes.
7. Antipollution to dissolve foul / toxic / hazardous gases & vapour by mistified spray.
8. Handling oils/lyes etc., against pressure.
9. Hydrostatic pressure testing of tubes, valves, pipes, vessels etc.
10. Circulation of water under high. pressure of stuffing boxes, agitators, stirrers.

SPECIFICATIONS

RATED CAPACITY	35 L. P. M. @ 950 R. P. M.
RATED PRESSURE	28.12 Kg/Cm ² (400 PSI)
TEMPERATURE RATING	182° (82°C)
PLUNGER DIA	30 mm
PISTON STROKE	19 mm
SUCTION SIZE	(25 mm) B S P T
DISCHARGE SIZE	(19 mm) 3/4" B S P T
KEYWAY	5 mm x 3 mm
POWER REQUIRED	2.23 Kw. (3 HP)
APPROXIMATE WEIGHT	22 Kg.

CONSTRUCTIONAL DETAILS

FLUID - END COMPONENTS

Manifold : It consists of suction manifold discharge manifold, and cylinder Body. All are made from high strength cast iron.

Plunger Packing : Moulded 'V' rings made from Duch and Buna-N reinforced with Fabric. Multiple lips provide the best seal for most efficient operation. The 'V' ring packing is backed by adjustable gland nut providing bearing surface. These 'V' ring packings get lubrication from grease cup provided on cylinder body which will increase packing life.

Valve - Valve Seat Assembly : Suction and discharge valve assembly are unique, space saving, spring loaded and are interchangeable Positive, fast acting valve, valve seat, spring are made corrosion-resistant stainless steel.

POWER - END COMPONENTS

Crank Case is of durable cast iron serves as an oil reservoir for complete and constant lubrication of all working parts. A splash type oil bath system keeps the crank-shaft bearings and other internal parts under constant lubrication. End plate removal facilitates easy inspection and service.

Crank Shaft is an automotive type crank shaft made out from ductile iron for strength and durability. It can be rotated in either direction, ensuring high speed smooth operation.

Crank Shaft Ball-Bearings are used at both ends for minimum friction and power loss for maximum longer service.

Connection Links are of cast iron castings with a replaceable bronze wrist pin bushing.

Crosshead-cum-Plunger is made from stainless steel and coated with hard-chrome plating. They are precision machined, ground and polished to 16 RM surface finish.

