

Hydrotest System

Max. Pressure Up to 1400 Bar (20,000 PSI)

Max. Flow Rate Up to 445 LPM

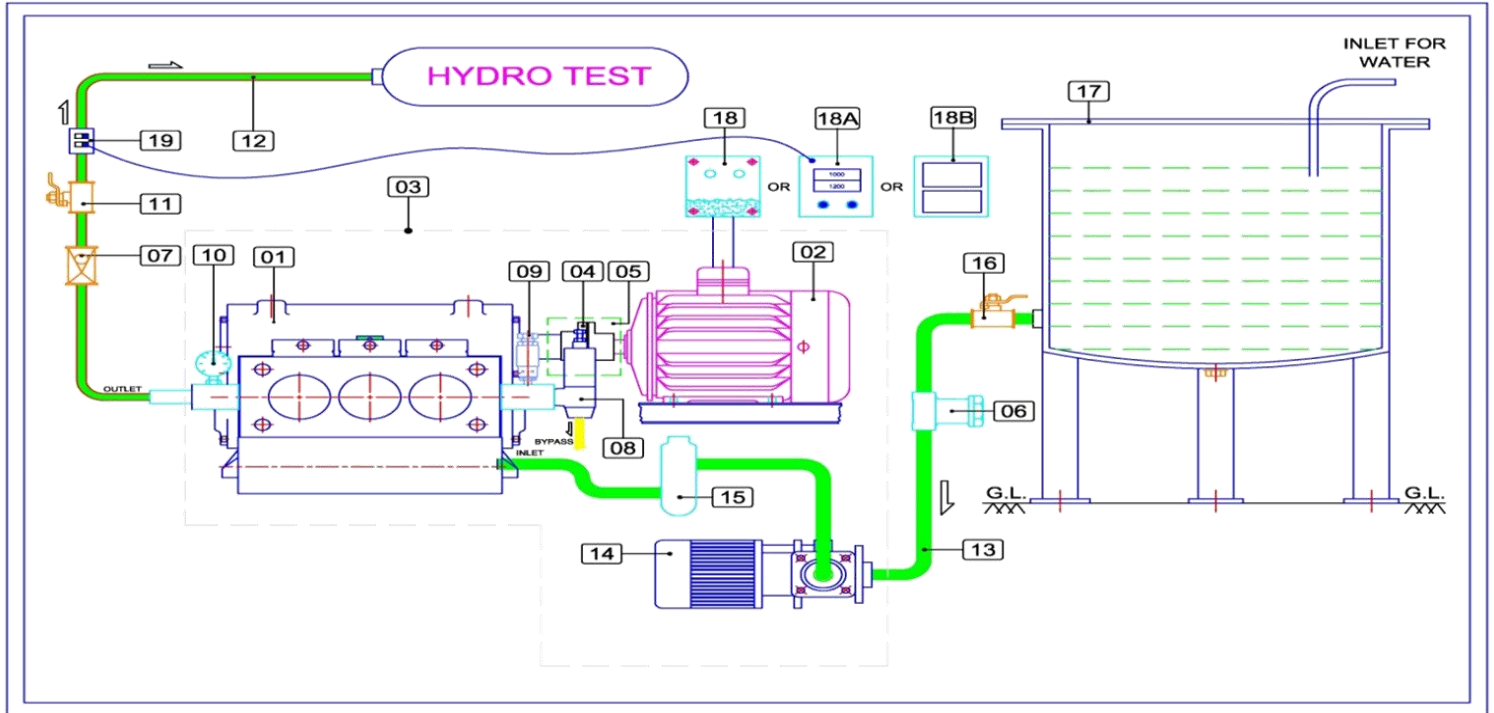
Max. Power Up to 180 HP



Series Wise Model Selection Chart

Technical Data	SERIES							
	HW	PA	PB	PC	V57	KB	KD	KDD
Max. Pressure @ Max. Flow	500 Bar @ 21 LPM	180 Bar @ 80 LPM	500 Bar @ 27 LPM	1200 Bar @ 9 LPM	200 Bar @ 73 LPM	840 Bar @ 45 LPM	790 Bar @ 62 LPM	1400 Bar @ 30 LPM
Min. Flow @ Max. Pressure	12 LPM @ 120 Bar	51 LPM @ 180 Bar	27 LPM @ 500 Bar	5 LPM @ 1200 Bar	52 LPM @ 200 Bar	35 LPM @ 750 Bar	62 LPM @ 790 Bar	30 LPM @ 1400 Bar
Max. Flow @ Min. Pressure	70 LPM @ 150 Bar	139 LPM @ 100 Bar	55 LPM @ 190 Bar	17 LPM @ 600 Bar	302 LPM @ 95 Bar	17 LPM @ 600 Bar	445 LPM @ 130 Bar	62 LPM @ 950 Bar
Motor HP	3 to 30 HP	25 to 40 HP	25 to 40 HP	25 to 40 HP	30 to 75 HP	60 to 100 HP	100 to 180 HP	75 to 150 HP
Transmission	Direct Couple	Belt-Pulley/ Gear Drive	Belt-Pulley/ Gear Drive	Belt-Pulley/ Gear Drive	Belt-Pulley/ Gear Drive	Internal Gear Drive	Internal Gear Drive	Internal Gear Drive

Line Diagram for Hydrotest



List of Accessories

Sr. No.	Item	Sr. No.	Item
01	Bare Pump	12	High Pressure Hose
02	Electric Motor	13	Low Pressure Suction Hose
03	Skid (Base Frame / Trolley / Trailer)	14	Booster Pump
04	Coupling / Belt Pulley	15	Suction Stabilizer
05	Coupling Guard / Belt Guard	16	Ball Valve (Low Pressure)
06	Strainer (Suction Filter)	17	Over Head Water Tank
07	Non Return Valve	18	Starter / Control Panel
08	Pressure Regulating Valve	18 A	Auto Pressure Controller
09	Safety Valve / Rupture Dis	18 B	PLC / SCADA System
10	Pressure Gauge – Glycerin Filled	19	Pressure Transducer
11	High Pressure Ball Valve		

Hydrotest System Accessories



Technical Details

All Systems are guaranteed for low power consumption, optimal connecting load, interchange ability of spares, minimum and easy maintenance and easy to operate by even a layman.

Technical Specifications

Pump Type	:	Reciprocating Triplex Plunger Pump
Maximum Flow	:	445 Ltrs/Min
Maximum Pressure	:	20,000 psi (1400 bar)
Pulsation	:	NO PULSATION DAMPENERS required.
Mounting	:	Skid / Trailer / Road going / Container Type
Electric motor type	:	Standard-TEFC / Flameproof / Explosion proof
Voltage	:	380, 415, 440 as standard. Others on request
Frequency	:	50 / 60 Hz
Liquid contact parts material options	:	SS304 / SS410 / Brass / SS
Plunger options	:	Solid Ceramic/ Ceramic Coating / Tungsten Carbide Coating/Hard Chrome Coating/ Colomony Coating etc.
Driver Options	:	Electric Motor / Diesel Engine / Petrol Engine / Hydraulic Motor
Transmission Options	:	Direct couple, Internal/External Gear Box, Belt Pulley, PTO etc.

Automations:

- APC (Automatic pressure controller) to set the pressure digitally and system shuts off at that pressure
- Computerized chart recorder
- Controller to rise-hold-decrease the pressure as per the requirement automatically
- Digital pressure display
- Digital Stroke Counter etc.

Combined- Filling cum Pressurizing System:

- We design and supply conventional as well as fully automatic unique COMBINED SYSTEM of filling pump and pressurizing pump.
- Filling pump can be high flow, low pressure Triplex Plunger pump or Multi stage centrifugal pump.
- Pressurizing pump is low volume, high pressure plunger pump.
- For very high volume, one intermediate pump (medium flow medium pressure plunger pump) can be used

We have supplied Hydro Test Systems to test:

Cross-country pipe lines	Heat exchangers
Valves	Condensers
Pumps	Evaporators
Hydraulic Hoses	Boilers
Pipes & Tubes	Fire Extinguishers
Pressure vessels	High pressure fittings and components
Tanks	Welding Joints
Castings	Forgings
Turbine casings	Building water & gas lines

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