

Hydrotest System

Max. Pressure Up to 1380 Bar (20,000 PSI)

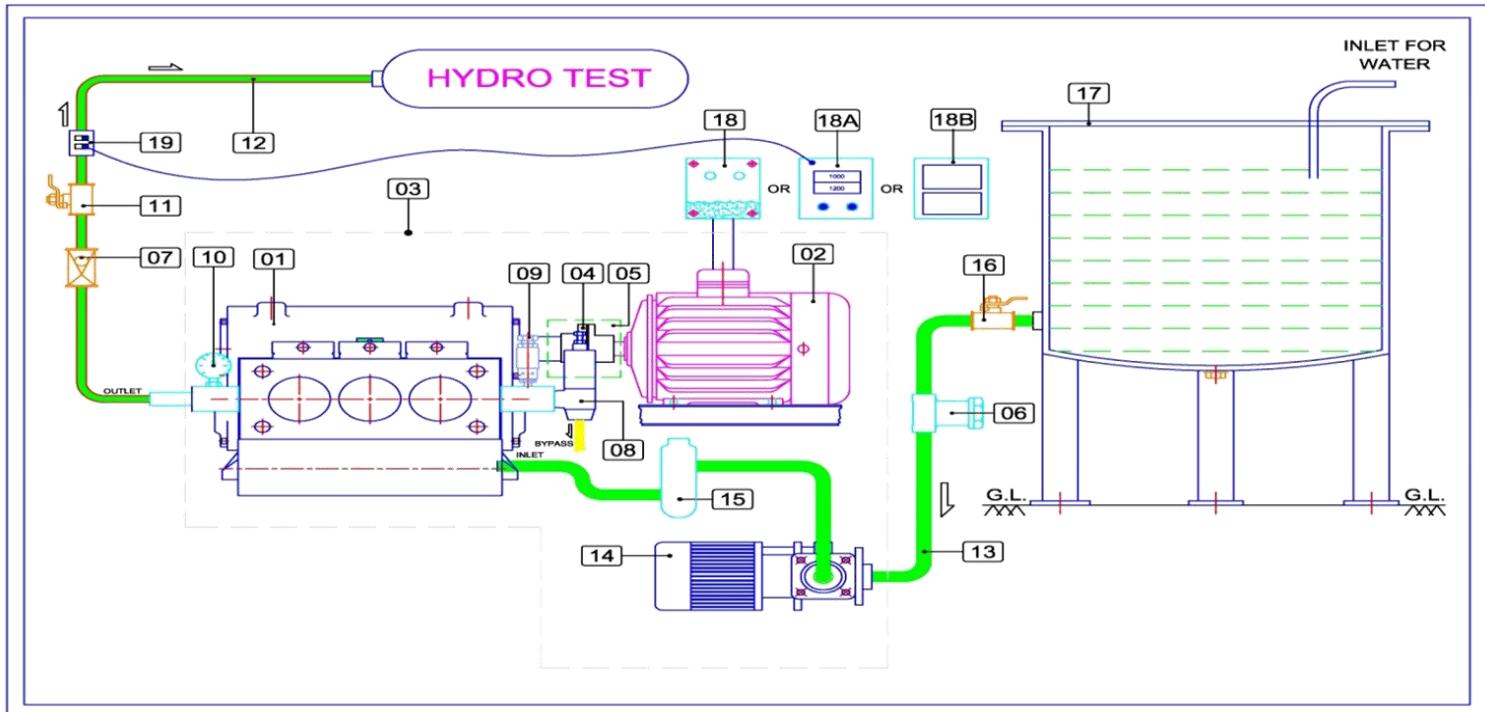
Max. Flow Rate Up to 445 LPM

Max. Power Up to 180 HP



Technical Data	Series									
	HW	PA	PB	PC	VA	VC	KB	KBD	KD	KDD
Max. Pressure @ Max. Flow	500 Bar @ 30 LPM	180 Bar @ 80 LPM	500 Bar @ 30 LPM	1200 Bar @ 9 LPM	205 Bar @ 104 LPM	1380 Bar @ 15 LPM	745 Bar @ 62 LPM	200 Bar @ 190 LPM	525 Bar @ 110 LPM	1380 Bar @ 43 LPM
Min. Flow @ Max. Pressure	14 LPM @ 140 Bar	52 LPM @ 175 Bar	21 LPM @ 500 Bar	5 LPM @ 1200 Bar	87 LPM @ 205 Bar	15 LPM @ 1380 Bar	45 LPM @ 625 Bar	190 LPM @ 200 Bar	110 LPM @ 525 Bar	30 LPM @ 1380 Bar
Max. Flow @ Min. Pressure	70 LPM @ 150 Bar	133 LPM @ 100 Bar	55 LPM @ 240 Bar	17 LPM @ 750 Bar	200 LPM @ 105 Bar	32 LPM @ 740 Bar	145 LPM @ 320 Bar	234 LPM @ 160 Bar	445 LPM @ 155 Bar	96 LPM @ 600 Bar
Motor HP	2 to 40 HP	20 to 40 HP	20 to 40 HP	15 to 40 HP	40 to 60 HP	50 to 60 HP	60 to 120 HP	60 to 100 HP	100 to 180 HP	100 to 150 HP
Transmission	Direct Couple	Gear Drive	Gear Drive	Gear Drive	Gear Drive	Gear Drive	Internal 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)	14	Booster Pump
04	Coupling	15	Suction Stabilizer
05	Coupling 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



Pressure Relief Valve



Safety Valve



High Pressure Ball Valve



Non Return Valve



Strainer



Pressure Gauge



Hose Pipe



Electric Control Panel

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 DAMPENER 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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