

# **Hydrotest System**

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

Max. Flow Rate Up to 445 LPM

Max. Power Up to 180 HP





















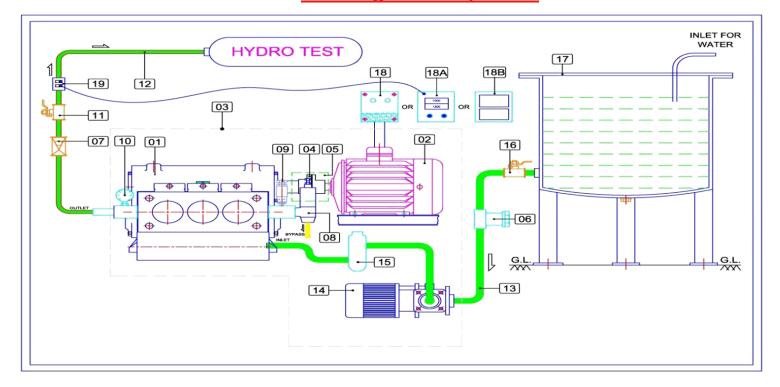




Series Wise Model Selection Chart											
Technical	SERIES										
Data	HW	PA	PB	PC	V57	KB	KD	KDD			
Max. Pressure	500 Bar @	180 Bar @	500 Bar @	1200 Bar @	200 Bar @	840 Bar @	790 Bar @	1400 Bar @			
@ Max. Flow	21 LPM	80 LPM	27 LPM	9 LPM	73 LPM	45 LPM	62 LPM	30 LPM			
Min. Flow	12 LPM @	51 LPM @	27 LPM @	5 LPM @	52 LPM @	35 LPM @	62 LPM @	30 LPM @			
@ Max. Pressure	120 Bar	180 Bar	500 Bar	1200 Bar	200 Bar	750 Bar	790 Bar	1400 Bar			
Max. Flow	70 LPM @	139 LPM @	55 LPM @	17 LPM @	302 LPM @	17 LPM @	445 LPM @	62 LPM @			
@ Min. Pressure	150 Bar	100 Bar	190 Bar	600 Bar	95 Bar	600 Bar	130 Bar	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	Belt-Pulley/	Belt-Pulley/	Belt-Pulley/	Belt-Pulley/	Internal	Internal	Internal			
	Couple	Gear Drive	Gear Drive								



# **Line Diagram for Hydrotest**



## **List of Accessories**

Sr. No.	Item	Sr. No.	Item	
01	1 Bare Pump		High Pressure Hose	
02	2 Electric Motor		Low Pressure Suction Hose	
03	03 Skid (Base Frame / Trolley / Trailer)		Booster Pump	
04	04 Coupling / Belt Pulley		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		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 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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