

# RUITIAN

Manufacturer of Test pumps & High-pressure Washing Machines—offers

# TEST PUMP

## HYDRAULIC PRESSURE TEST PUMP OPERATING INSTRUCTIONS

**Manufacturer:**

### SPECIFICATIONS

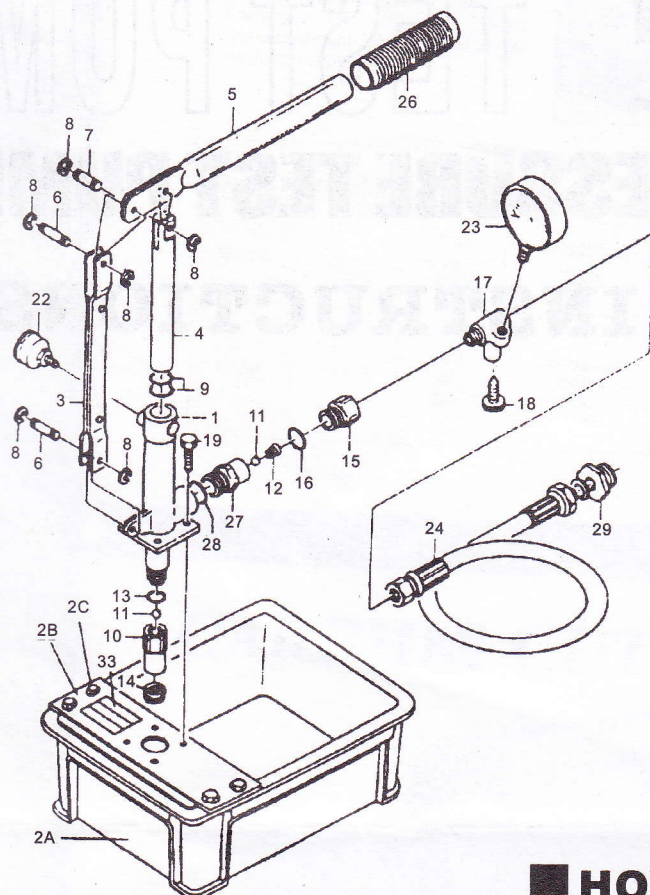
Item Model	Maximum Pressure	Stroke	Rate of Water Suction Per Stroke	Capacity of Water Tank	Weight	Dimensions L x H x W	Accessories	Memo
SY-16	1.6MPa 16kg/cm <sup>2</sup>	35mm	13c.c.	5L	4.5kg	320x310 x200 (mm)	Pressure hose 1 Bushing1/2x1/4 1	Plastic tank
SY-25	2.5MPa 25kg/cm <sup>2</sup>	35mm	13c.c.	5L	4.6kg	320x310 x200 (mm)	Pressure hose 1 Bushing1/2x1/4 1	Plastic tank
SY-40	4MPa 40kg/cm <sup>2</sup>	35mm	13c.c.	5L	5kg	310x310 x190(mm)	Pressure hose 1 Bushing1/2x1/4 1	Steel tank
SY-60	6MPa 60kg/cm <sup>2</sup>	35mm	13c.c.	5L	5kg	310x310 x190(mm)	Pressure hose 1 Bushing1/2x1/4 1	Steel tank
SY-100	10MPa 100kg/cm <sup>2</sup>	35mm	12c.c.	5L	6.5kg	310x310 x200(mm)	Pressure hose 1 Bushing1/2x1/4 1	Steel tank
SY-160	16MPa 160kg/cm <sup>2</sup>	35mm	12c.c.	5L	6.5kg	310x310 x200(mm)	Pressure hose 1 Bushing1/2x1/4 1	Steel tank

★The contents are subject to explain & change without notice.

★Units Conversion: 1MPa = 10Bar = 10.1972kg/cm<sup>2</sup> = 145.038Psi

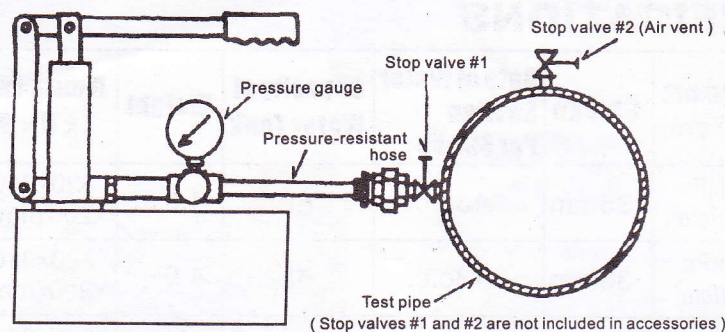


## CONSTRUCTION



NO.	DESCRIPTION	Qty
1	CYLINDER	1
2A	WATER TANK	1
2B	STAND	1
2C	BOLT	4
3	SUPPORT	1
4	PLUNGER	1
5	HANDLE	1
6	SUPPORT PIN	2
7	CENTER PIN	1
8	SNAP RING	6
9	PLUNGER O-RING P-22	2
10	SUCTION CASE	1
11	SUCTION & DELIVERY VALVE	2
12	SPRING	1
13	SUCTION CASE O-RING P-14	1
14	STRAINER	1
15	VALVE JOINT	1
16	DELIVERY O-RING P-15	1
17	AIR GAUGES STAND	1
18	SPINDLE	1
19	BOLT	4
22	GREASE CAP	1
23	PRESSURE GAUGE	1
24	PRESSURE HOST	1
26	GRIP	1
27	SUCTION VALVE	1
28	O-RING P-18	1
29	BUSHING	1
33	NAME PLATE	1

## HOW TO TEST



## TESTING PROCEDURES

- ① Install the stop valves to the test pipe(#1,#2).
- ② Fill up the test pipe with water by the use of service water or other supply source.
- ③ When the test pipe is filled with water, remove air and close the valve(#2).
- ④ Connect the tester and the test pipe with the attached pressure-resistant hose ass'y.
- ⑤ Fill the water tank of the tester with water and operate the pump.
- ⑥ Open the stop valve(#1) of the test pipe and continue the operation to fill up with water.
- ⑦ When the pressure gauge No.23 equipped to the tester rises to the required pressure, stop operate the pump.
- ⑧ If the pressure does not drop, the test pipe is perfect.
- ⑨ If the pressure drops, it is indicative of leakage caused somewhere on the test pipe.