



A DIVISION OF GETZ FIRE EQUIPMENT

**Getz Equipment Innovators  
Part No.: 3G0071  
Hydrostatic Test Hand Pump**

Issue Date: October 1, 2009  
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2320 Lakecrest Drive, Pekin, Illinois 61554  
Telephone: 888-747-4389 Fax: 309-495-0625  
Website: [www.getzequipment.com](http://www.getzequipment.com)

**EQUIPMENT INNOVATORS**

## Limited Warranty

Products manufactured by Getz Equipment Innovators (with exception of electrical products or components) will be free from defects for a period of one year from shipment date. Electrical products and/or components used in manufactured products will have a (6) month warranty from shipment date. During the warranty period, customers who experience any manufacture-related service issues with our products, the product may be returned for repair or replacement. Customer must contact Getz Equipment for approval prior to any product return. Notwithstanding the foregoing, the limited warranty set forth shall be immediately void of customer uses any replacement parts other than those provided by Getz Equipment Innovators. The warranty does not cover normal wear and tear items, defects resulting from modification, alteration, misuse, exposure to corrosive conditions, extremely high temperatures, improper installation or maintenance. Warranties on component items not manufactured by Getz Equipment Innovators are provided by others whose warranty, evaluation and judgment will be final.

All implied warranties, including, but not limited to, warranties of fitness for purpose and merchantability, are limited to the time periods as stated above. In no event shall Getz Equipment Innovators be liable to incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts or the exclusions or limitation of incidental or consequential damages, so that the above limitations or exclusions may not apply to you. Getz Equipment Innovators neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than as expressly set forth herein.

### **Mobile Service Vehicles:**

The warranty does not cover:

- Defects in the chassis and or power unit
- Defects in separately manufactured products not produced by Getz Equipment Innovators
- Deterioration due to normal wear, tear, and exposure
- Repairs made necessary by negligent use, misuse, abuse, loading the service vehicle beyond its gross vehicle weight limitations, accident, acts of God, or other contingencies beyond the control of Getz Equipment Innovators.
- Repairs deemed necessary by reason of the failure to follow ordinary maintenance procedures.
- Repairs deemed necessary by reason of alterations done without Getz Equipment Innovators' written approval.

Warranty Service:

- All warranty repairs will be performed by Getz Equipment Innovators in Pekin, IL, unless otherwise authorized by Getz Equipment Innovators.

Freight:

- Getz Equipment Innovators will not be liable for shipping or transportation charges to or from customer's location.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To obtain performance to the obligation of the warranty, write to Getz Equipment Innovators, 2320 Lakecrest Drive, Pekin IL 61554, USA for instructions.

# Getz Equipment Innovators Hydrostatic Test Hand Pump

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# Hydrostatic Test Hand Pump

## **Additional Equipment:**

- Safety Glasses
- Test Adapters
- Regulator for Air Supply
- Water Hose

## **WARNING:**

- **Operator must wear safety glasses when operating equipment**
- **Do not exceed 100 psi of incoming air supply**
- **Do not modify any components on the hydrostatic test hand pump. Any use of parts other than Getz Equipment Innovators components excludes all written and implied warranties.**
- **Maximum test pressure for hand pump is 850 psi.**

## **Setup**

1. Mount to floor in 3 places using pre-drilled holes in stand with 3/8" concrete bolts.
2. Thread Digital Gauge (#10) to 1/4" Brass Cross (#15) and tighten with wrench to have the display facing up.  
  
**\*The gauge socket is provided with wrench flats where a wrench of the correct size should be used exclusively when installing the gauge. *Under no circumstances should any force be applied to the gauge case directly.*** Twisting of the case may disrupt the calibration of the gauge.
3. Hook up male end of garden water hose to swivel fitting # 21 referenced on Drawing 3. Attach female end of garden hose to water supply and tighten securely. Close yellow ball valve #4 and open water supply to check for leaks. Depending on your water source, it is recommended to have a 20 micron filter (minimum) on your incoming water supply. This will increase the life of the valves on the hydrostatic test pump.
4. Screw connector from yellow tubing onto air supply set to no more than 100 psi.
5. Place drain hose #3 into water drain and secure hose to wall or floor.

## **Shipping Size of Container and Weight**

26" Wide x 54" Tall x 36" Deep  
150 lbs including pallet

## **Operating Procedures**

1. CLEAN CYLINDER THOROUGHLY BEFORE TESTING
2. INSERT CORRECT TEST ADAPTER IN CYLINDER AND ATTACH SPIN HEAD ASSEMBLY. PLACE IN TEST CAGE
3. FILL CYLINDER WITH WATER IN UPRIGHT POSITION. TURN ON YELLOW WATER VALVE
4. OPEN BLUE DRAIN VALVE UNTIL A STEADY STREAM OF WATER APPEARS IN DRAIN LINE. CLOSE BLUE DRAIN VALVE AND APPLY A SLIGHT AMOUNT OF PRESSURE, THEN OPEN BLUE DRAIN VALVE TO ASSURE ALL AIR IS PURGED FROM CYLINDER. THEN CLOSE BLUE DRAIN VALVE
5. PUMP HANDLE UNTIL RECOMMENDED TEST PRESSURE IS REACHED ON GAUGE, THEN CLOSE YELLOW WATER VALVE AND BLACK VALVE
6. MONITOR PRESSURE FOR ENTIRE TEST TIME (MINIMUM 30 SECONDS). PRESSURE SHALL BE STABLE BY END OF TEST TIME AND MUST NOT DROP BELOW THE MINIMUM TEST PRESSURE.
7. AFTER TEST, OPEN BLUE DRAIN VALVE AND BLACK VALVE. DRAIN CYLINDER BY INVERTING TEST CAGE AND OPEN BRASS AIR VALVE
8. AFTER WATER IS DRAINED, CLOSE BRASS AIR VALVE. WHEN PRESSURE GAUGE READS ZERO REVERT TEST CAGE AND REMOVE CYLINDER FROM CAGE AND SPIN HEAD ASSEMBLY

## **TEST PRESSURE REGULATIONS** **DOT / NFPA**

- Minimum test pressure must be maintained for at least 30 seconds, and as long as necessary for complete expansion of the cylinder.
- Stored pressure fire extinguishers shall be hydrostatically tested to the pressure specified on the extinguisher nameplate.
- Where pressure is not specified on the extinguisher nameplate, the extinguisher shall be tested at the factory test pressure, not to exceed three times the extinguisher service pressure.
- The test equipment must be verified to be accurate within  $\pm 1.0\%$  of the Reference Gauge's pressure values. This may be demonstrated at any point with 10% of the actual test pressure for each cylinder tested. If the pressure readings of the Pressure Indicating Device (gauge) do not match the readings of the Reference Gauge within  $\pm 1\%$ , the test system is not verified.

## DRAWING 1

### PARTS LIST

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1G0300	TEST STAND AND CAGE	1
2	1G0035	¼" HIGH PRESSURE HOSE	7.5
3	1G0032	TUBING ½" CLEAR VINYL	15
4	1G0302	¼" BALL VALVE YELLOW	1
5	1G0222	HAND PUMP	1
6	1G0303	90 DEGREE ELBOW ½"	1
7	1G0308	¾" TO ¼" BRASS BUSHING	1
8	1G0236	CHECK VALVES	2
9	1G0307	¾" BRASS COUPLING	1
10	1G0133	DIGITAL GAUGE	1

**Please order replacement parts from:**

**Getz Equipment Innovators**

**2320 Lakecrest Dr**

**Pekin, IL 61554**

**Phone (888) 747-GETZ (4389)**

**Fax (309) 309-495-0625**

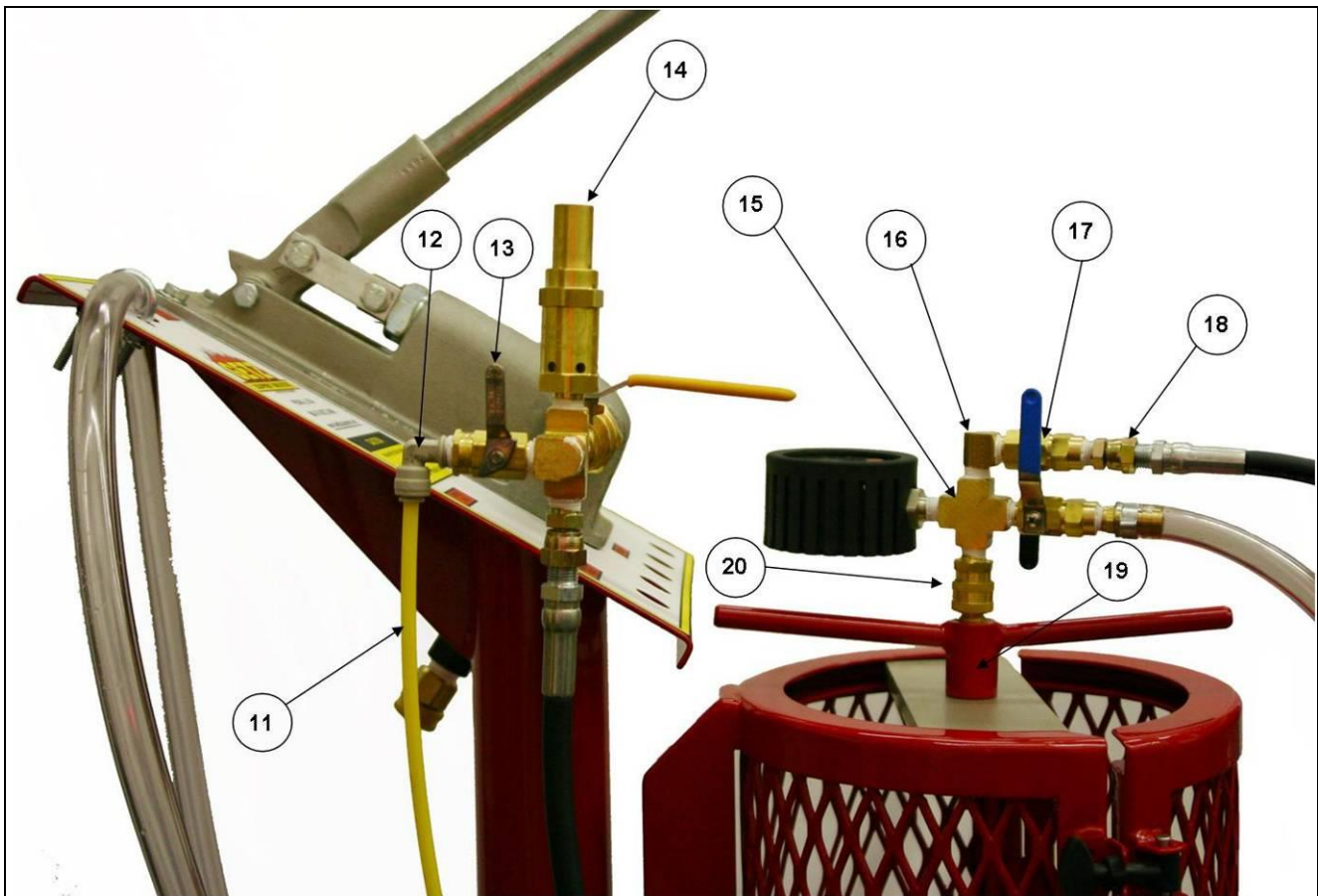
**[www.getzequipment.com](http://www.getzequipment.com)**

# DRAWING 1



## DRAWING 2 - Side View

11	1G0047	¼" YELLOW TUBING	10
12	1G0198	ELBOW PLASTIC 90 ¼" STEM X ¼" TUBE	1
13	1G0042	¼" BRASS VALL VALVE	1
14	1G0274	850 PSI RELIEF VALVE	1
15	1G0079	CROSS BRASS ¼" FNTF	2
16	1G0230	ELBOW BRASS ¼" MALE X ¼" FEMALE	4
17	1G0316	BALL VALVE ¼" MXF 1000 PSI	2
18	1G0054	SWIVEL CONN. ¼" MNPT X ¼" FMLE SWIVEL	3
19	N/A	SPIN HEAD ASSEMBLY	1
20	1G0229	QUICK COUPLER	1



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### DRAWING 3 – Rear View

ITEM NO.	PART NUMBER	DESCRIPTION
21	1G0309	CONNECTOR BRASS GARDEN HOSE
22	1G0279	WATER STRAINER
23	1G0305	½" BRASS COUPLING
24	1G0073	NIPPLE 1/4 X 1.5 SCH 80



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