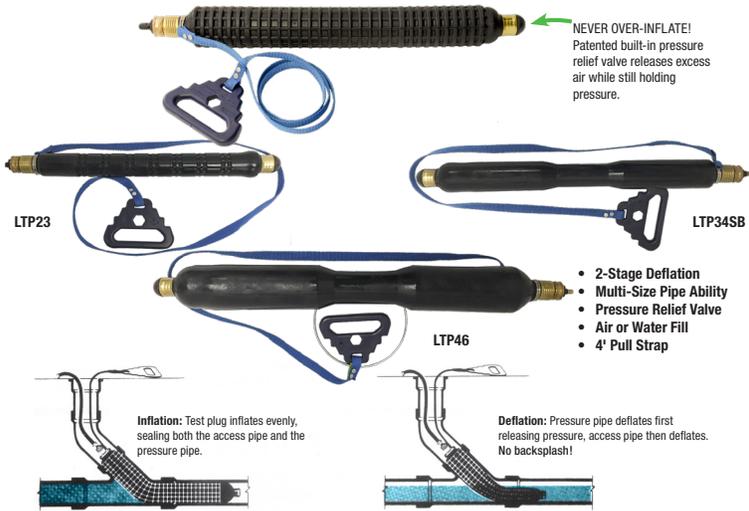


# LTP Series Long Pneumatic/Hydraulic Test Plugs



**NEVER OVER-INFLATE!**  
Patented built-in pressure relief valve releases excess air while still holding pressure.

- 2-Stage Deflation
- Multi-Size Pipe Ability
- Pressure Relief Valve
- Air or Water Fill
- 4' Pull Strap

**Inflation:** Test plug inflates evenly, sealing both the access pipe and the pressure pipe.

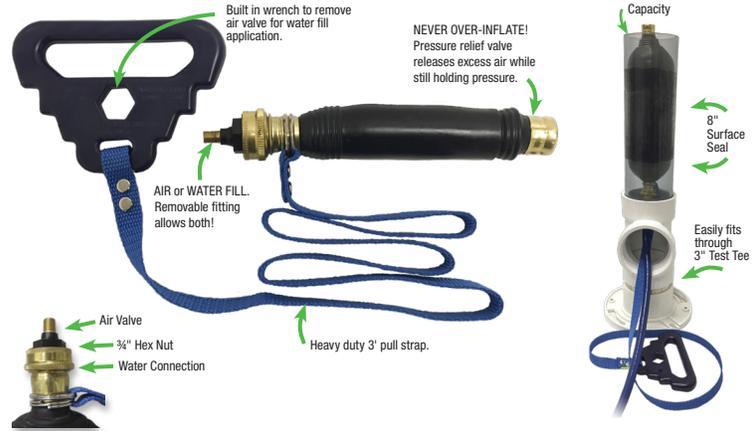
**Deflation:** Pressure pipe deflates first releasing pressure, access pipe then deflates. No backsplash!

# TEST PLUGS Pneumatic & Hydraulic

**SAFE-T-SEAL®**

**NEW!**

## TP123 – Pneumatic/Hydraulic Test Plug The ONLY Test Plug to Expand from 1.25" to 3"



## Test from 1.25" Through 8" Using Only 3 Plugs!



- Saves Time
- Saves Money
- Commercial Quality
- Built to Perform

Model Number	Pipe Range Capacity	Description	Inflation Pressure	Back Pressure psig	Max Head Pressure ft.	Deflated Dia.	Inflate Length	Weight
TP123	1-1/4" - 3"	Multi- Size Test Plug - NEW	45 psi	13 psig	30 ft.	1 3/8"	6 1/4"	5.5 oz
TP34	3" - 4"	Multi-Size Test Plug (waffle body)	58 psi	13 psig	30 ft.	2 1/2"	12"	13.5 oz
TP34SB	3" - 4"	Multi-Size (smooth body)	57 psi	13 psig	30 ft.	2 1/2"	12"	13.5 oz
TP46	4" - 6"	Multi-Size Test Plug	37 psi	13 psig	30 ft.	3 1/2"	14 1/2"	2.5 lbs
TP58	5" - 8"	Multi-Size Test Plug	43 psi	13 psig	30 ft.	4 1/2"	23 1/2"	3.5 lbs
TP1012	10" - 12"	Multi-Size Plug w/ 4' air hose & air pressure gauge	36 psi	10 psig	25 ft.	6 1/2"	30"	11.5 lbs
TP1416	14" - 16"	Multi-Size Plug w/ 4' air hose & air pressure gauge	20 psi	10 psig	25 ft.	8 1/4"	28 1/2"	18.5 lbs
TP1824	18" - 24"	Multi-Size Plug w/ 4' air hose & air pressure gauge	21 psi	8 psig	20 ft.	12 1/4"	39"	51 lbs
Long Test Plugs								
LTP23	2" - 3"	Long Test Plug w/ 4' Extension air hose	58 psi	13 psig	30 ft.	1 3/4"	18 1/2"	3 lbs
LTP34	3" - 4"	Long Test Plug (waffle body) w/ 4' extension air hose	56 psi	13 psig	30 ft.	2 1/2"	22 1/2"	4 lbs
LTP34SB	3" - 4"	Long Test Plug w/ 4' extension air hose	56 psi	13 psig	30 ft.	2 1/2"	22 1/2"	4 lbs
LTP46	4" - 6"	Long Test Plug w/ 4' extension air hose - NEW	40 psi	13 psig	30 ft.	3"	26"	9 lbs
<b>Multi-Size Pipe Capability - Pressure Relief Valve - Air or Water Fill - 3 ft Heavy Duty Pull Strap</b>								

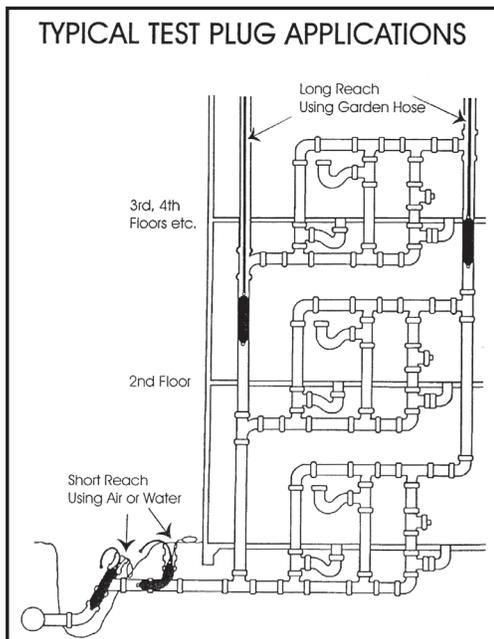
### Conversion from Air to Water for Plug Expansion

The water method (instead of air) of plug expansion may be preferred in some cases to extend the reach of the test plug into the piping system. (See illustration with Typical Test Plug Applications.)

In long-reach applications the strap and handle should be removed from the test plug. For short-reach applications this is not necessary. Remove the small split ring attaching the strap to the large ring circling the top of the test plug.

The pneumatic valve can be removed by loosening the 3/4" hex nut at the base of the air valve. Attach a heavy duty garden hose to the test plug coupling. Insert the test plug into the pipe, and turn water on at the hose bibb to expand the plug. To remove the test plug from the pipe, turn the water off at the hose bibb and carefully loosen the hose coupling from the hose bibb to relieve water pressure.

**SAFE-T-SEAL®**



	TP123
	TP34SB smooth body
	TP34 waffle body
	TP46
	TP58
	TP1012
	TP1416
	TP1824
	LTP23
	LTP34SB smooth body
	LTP34 waffle body
	LTP46



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www.gtwaterproducts.com



**SAFE-T-SEAL®**



# PNEUMATIC/HYDRAULIC TEST PLUG SAFETY GUIDELINES



We recommend always wearing safety glasses and hard hats whenever using our plugs.

5239 N. Commerce Avenue • Moorpark, CA 93021-1763  
(800) 862-5647 • FAX: (805) 529-4558  
gtwaterproducts.com • orders@gtwaterproducts.com

## **NEVER STAND IN FRONT OF THE AREA WHERE A TEST PLUG IS IN USE!**

### **TEST PLUG SIZING**

To determine the size plug required, measure the inside diameter (ID) of the pipe to be tested. Always use the proper size test plug for the pipe being tested. NEVER attempt to use a plug not rated for the size of pipe being tested. Safe-T-Seal test plugs have a minimum and maximum usage range indicated on the plug carton. Consult Safe-T-Seal literature for the proper size for the application. Failure to use the proper size test plug may cause the plug to dislodge from the pipe resulting in property damage and/or personal injury.

### **PROPER TEST PLUG INFLATION**

Safe-T-Seal test plugs may be inflated with either water or air. Never inflate a test plug without using a properly calibrated pressure gauge. Be sure the inflation hose is properly and securely attached to the test plug. Never over inflate a test plug. Inflate to the recommended pressure in this guide.

Make sure the test plug is located all the way inside the pipe. Do not allow any portion of the test plug to protrude from the pipe when inflated. Do not locate the test plug on or near a sharp object inside the pipe. Do not inflate the test plug over a lateral pipe opening. **NEVER INFLATE A TEST PLUG OUTSIDE OF A PIPE!**

Safe-T-Seal test plugs are meant to be used for sealing a pipe for a limited time period (usually 24 hours). If used for an extended period, the pressure should be checked periodically to ensure proper inflation.

Safe-T-Seal test plugs are equipped with a safety relief valve to prevent over inflation and possible damage to the plug. However, it is strongly recommended that a proper pressure gauge be used when inflating a test plug.

### **PROPER DEFLATION OF TEST PLUG**

To deflate a Safe-T-Seal test plug, release the pressure in the pipe. Release the pressure in the plug through the inflation hose and remove the plug from the pipe using the safety strap and handle. Do not pull a plug out of a pipe by means of the hose. Never attempt to pull a partially deflated plug from a pipe. Long test plugs should be deflated until the first stage deflates (you will hear the water escape). After the water has been allowed to drain from the system, the plug may be extracted from the pipe. Inspect and clean the plug once it is removed from the pipe. To properly store a test plug, place it in a clean, dry location. Do not subject a test plug to excessive temperatures or sunlight.

### **BACK PRESSURE LIMITATION/CALCULATIONS**

Note the amount of back pressure a plug must withstand before use. The back pressure limitations for Safe-T-Seal test plugs are listed in this document.

#### **NEVER EXCEED THE RECOMMENDED BACK PRESSURE LIMITS.**

To calculate the back pressure in a pipe, multiply the pipe area (in square inches) by the pressure to be applied.

To calculate the pipe area in square inches, use  $\pi r^2$ .

To calculate the back pressure caused by water in a pipe, measure the maximum height (in inches) of the water above the center line of the point at which the plug is to be installed. Multiply this number by .433.

Obstructions or foreign objects in the pipe may alter the back pressure. Be sure all surfaces are clean and void of any lubricants or substances that may cause the plug to slip.

If a vacuum will exist on either side of the test plug, this difference in pressure must be taken into consideration before the plug is installed.

### **TEST PLUG INSPECTION AND CLEANING**

Before using a Safe-T-Seal test plug, always inspect the surface for irregularities (e.g., holes, crack or cuts in the rubber, etc.) If the plug shows signs of any damage as a result of previous use, DO NOT USE the plug. Check the valve system for dirt or damage. A defective valve may release pressure and permit the plug to dislodge from the pipe.

Always inspect the inflation hose as well.

A Safe-T-Seal test plug may be cleaned using a water and detergent solution. NEVER use a petroleum based product.

If you are not sure of the integrity of the test plug, consult your supervisor or a Safe-T-Seal dealer/representative.

Failure to inspect test plugs before use many result in the improper application of the plug resulting in property damage or injury.

**NEVER STAND IN FRONT OF THE AREA WHERE A TEST PLUG IS IN USE!**