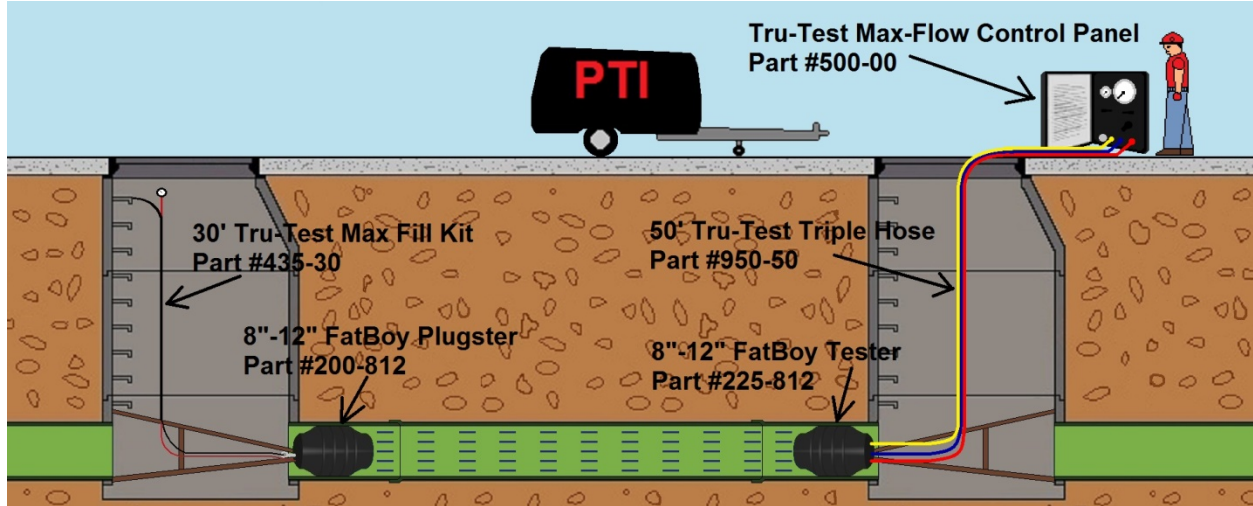


This month's "Plug Peddler Tip" covers sewer air testing (line acceptance) of sewer pipe.

**Defined:** Line Acceptance is the practice of using low pressure air to test a pipe to ensure that it has been installed properly. The pipe is accepted if it holds the air pressure for a defined period of time without dropping a defined amount of pressure.



Refer to the below ASTM specifications or the inspection authority for the test time and allowable pressure drop by specific pipe style.

- ASTM F1417 Standard Test Method for Installation acceptance of plastic gravity sewer lines using low pressure air.
- ASTM C828 Standard Test Method for Low-Pressure Air Test of Vitrified Clay Pipe Lines.
- ASTM C924 Standard Practice for Testing Concrete Pipe Sewer Lines by Low-Pressure Air Test Method.

**Why:** If a pipe is not installed properly it can leak untreated effluent into the surrounding environment (Exfiltration). Untreated sewage pollutes our rivers, streams and drinking water.

Rain water can also get into the sewer pipe (infiltration) causing the city to treat many gallons of rain water that could have safely filtered into our rivers and streams without costly treatment. Treating rain water can be very costly for cities and counties. Infiltrating rain water can also cause a sewage treatment facility to be inundated with effluent beyond its capacity. This excess effluent can cause the treatment facility to release untreated sewage into our rivers and streams in order to prevent effluent from backing up into our homes or businesses.

**Who:** Underground contractors performing air test on the pipes that they have installed. The city or county will have an inspector on the job to witness the air test to make sure the required air testing is being performed. Some markets have testing contractors who test lines for the contractors. If you have these contractors in your market, this is a great opportunity to demonstrate to the underground contractors how to easily and safely test pipes. Why pay for a testing contractor?

**What Equipment:** We recommend that you sell one of our Max-Flow™ AT Kits that include everything a contractor needs to air test a sewer line. The contractor will need to provide an air source.

<b>500-610 Includes:</b>	Max-Flow AT Line Acceptance Kit with 6"-10" Plugs		
200-610	6"-10" FatBoy Plugster™		
225-610	6"-10" FatBoy Tester™		
500-00	Max-Flow™ Control Panel		
950-50	50' Max-Flow™ Triple Hose		
430-30	30' Fill Kit (1/4" Hose) /Retrieval Rope with Gauge		
50-091	Durable Plastic Storage Box		
<b>500-812 Includes:</b>	Max-Flow AT Line Acceptance Kit with 8"-12" Plugs		
200-812	8"-12" FatBoy Plugster™		
225-812	8"-12" FatBoy Tester™		
500-00	Max-Flow™ Control Panel		
950-50	50' Tru-Test Triple Hose		
430-30	30' Fill Kit (1/4" Hose) /Retrieval Rope with Gauge		
50-091	Durable Plastic Storage Box		
<b>500-100 Includes:</b>	Max-Flow AT Line Acceptance Kit without Plugs		
500-00	Max-Flow™ Control Panel		
950-50	50' Tru-Test Triple Hose		
430-30	30' Fill Kit (1/4" Hose) /Retrieval Rope with Gauge		
50-091	Durable Plastic Storage Box		



Pictured: 500-812

If your contractor is performing air testing in pipes larger than 12" then we recommend that you purchase the plugs separately along with the Max-Flow™ AT Line Acceptance Kit without Plugs.

**Making air testing safe:** We recommend that you have the user of the plugs read and understand the manufacturer's safety instructions before using pipe plugs and testing equipment.