

Air-Loc® Pressure Testing System



The **Cherne Air-Loc® Low Pressure Air-Testing System** has been successfully used for testing sewer pipe installations for over 40 years. This method of testing pipelines had proven to be the fastest, most economical and accurate method of testing pipe. It allows you to perform tests as prescribed by ASTM C 828, C 924, and F 1417. (Procedures on page 34.)

Line Acceptance Kit Now with Storage Container!



Air-Loc® Line Acceptance Kit (Part #253298 - 75 lbs)

Cherne's Line Acceptance Kit is used to perform low pressure air tests on newly installed sewer lines. The Line Acceptance Kit includes all items needed to conduct the test except an air compressor and two pipe plugs.

Air-Loc® System:

Line Acceptance Kit Components:

Hi-Flow™ Air-Loc® Panel (Part #304708 - 40 lbs)

Panel includes gauges to monitor compressor pressure, plug pressure and test pressure, all in a sturdy steel case with a durable powder-coat enamel finish. Panel also has regulators to control plug and test pressure. Panel can be used with either 3/8" or 3/4" fill hose, accomplished by simply turning a valve. Panel is designed to work with air compressors fitted with either crow's foot or standard quick disconnect fittings.

Hi-Flow™ Triple Hose (Part #257098 - 18 lbs)

The hose assembly is used to connect the Air Loc Panel to the front plug. 50' triple hose is color-coded, making connections easy to understand. Hose features locking quick disconnects for convenience and safety. Hose also includes strain relief to protect hose and connections from damage.

Poly-Lift Line (Part #261106 - 5 lbs)

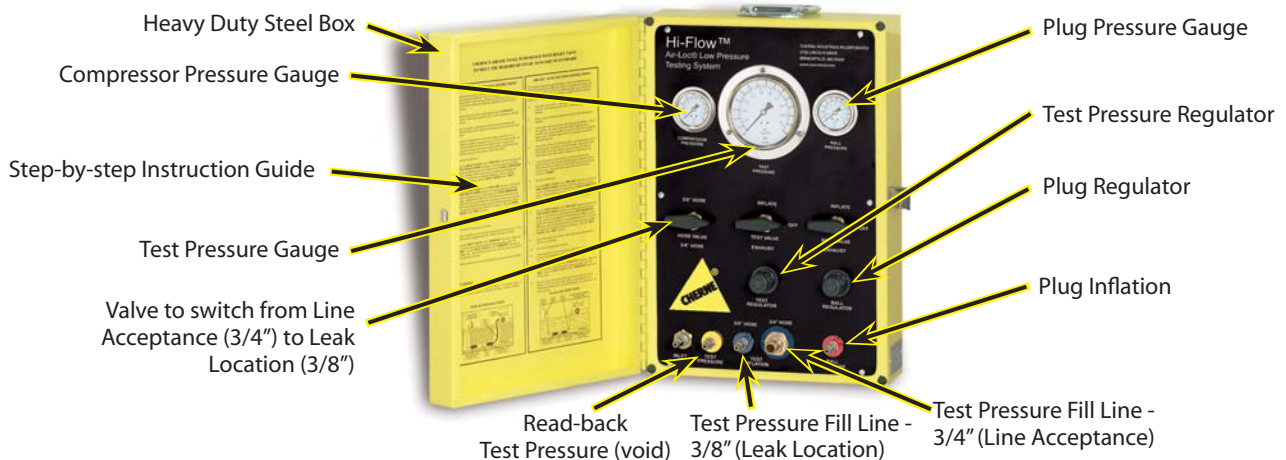
The poly-lift line is used to inflate the back plug. The 30' Poly Lift Line is an inflation hose inside a durable rope with handy snap hooks, allowing plugs to be raised and lowered into manholes.

High Volume Hand Pump (#273968 - 7 lbs)

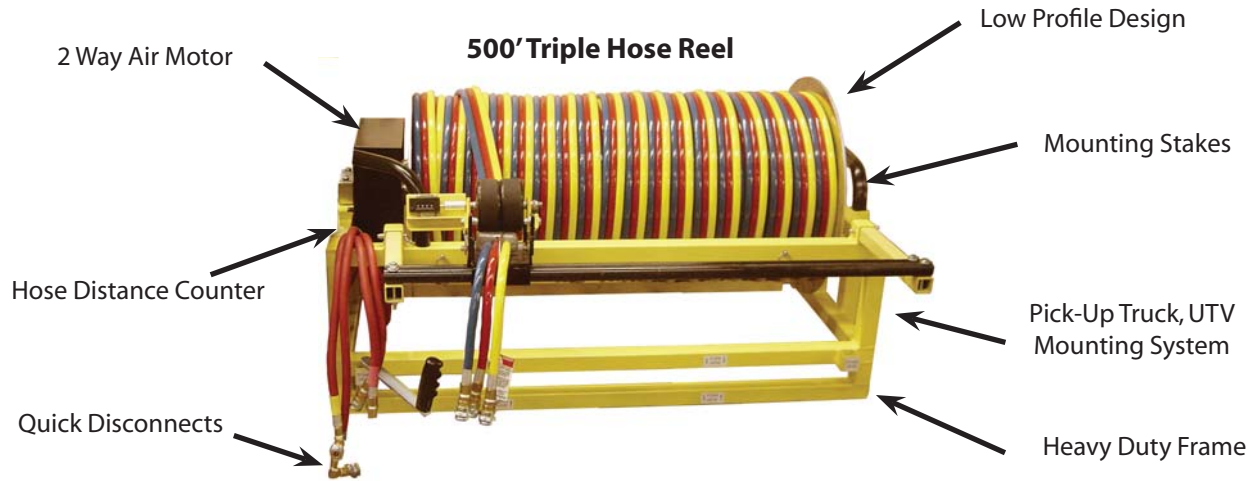
The high volume hand pump is used to fill the back plug in a line acceptance test. Our pump fills plugs much more quickly than other hand pumps on the market today. Each pump comes with convenient gauge for monitoring plug pressure. Pumps are very rugged in design to meet demands of construction job sites.

Storage Case (28 lbs)

Cherne's Line Acceptance Kits now include convenient storage case made of heavy duty structural foam. Large case (37" X 20" X 21") holds all line acceptance kit components and two standard size pipe plugs.



A leak location (segment) test is accomplished by first stringing a line with a Cherne Air-Loc® Line Stringer (see page 36) or a float line. Once the line is strung, a winch cable is used to pull two Air-Loc® Leak Locator plugs together with an interconnect hose, through the pipeline in 22' intervals. Air is introduced between the plugs at each 22' increment until the test fails. Finally, by moving the plugs back and forth, the leak can be isolated within two feet.



Leak Location:

Cherne offers the tools necessary to find leaks if your line acceptance test fails. Using our leak location components, you can pinpoint a leak down to a distance of a few feet, allowing a repair to be made. (See page 34)

Leak Location Components (Items needed in addition to the Line Acceptance Kit and Pipe Plugs):

500' Triple Hose Reel (#253308 - 400 lbs)

The triple hose reel is used to pull the tandem plug assembly through the sewer line. It's designed to be mounted to the back of a pickup and features durable color-coded hose, a hose distance counter, a two way air motor and more. Cherne also offers an economical version of this reel that does not include the air motor or counter system (#253328).

Manual Winch with 500' of cable (253318 - 30 lbs)

The manual winch is used to pull the tandem plug assembly through the sewer line. The winch is designed to be set on top of the manhole for ease of use. The unique design is exceptionally stable, and can easily be disassembled for transporting.

Manhole Jack (#056228 - 27 lbs)

Manhole jacks are used to guide hoses and cables at the pipe invert. Our jacks are designed to work in pipe from 5" to 24". They protect the pipe from damage, while allowing hoses and cable to move more easily through the sewer line. Manhole jacks provide maximum stability in guiding hose and cable.

Down Roller (#056707 - 30 lbs)

Down rollers are used to guide hoses and cables. They protect the pipe from damage, while allowing hoses and cable to move more easily through the sewer line. Down rollers can be used from the surface - no need to enter the sewer line to be installed or removed.

22" Interconnect Hose (#043338 - 4 lbs)

The interconnect hose is used to attach the front and back air test plugs when conducting a leak location test. This hose includes a cable for attaching to the pipe plugs to take strain off the hose during the leak location process.



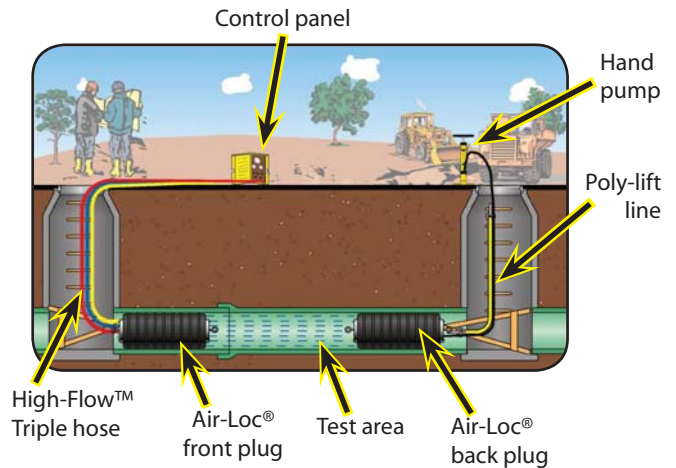


Air-Loc® Line Acceptance Test Procedure:

(For complete detailed usage instructions, refer to the operations manual provided with Cherne's Line Acceptance kit.)

1. Install Back Plug. Attach poly lift line to pipe plug and place plug in line to be tested. Inflate plug from above ground using hand pump to proper inflation pressure.
2. Insert Front Plug. Connect triple hose assembly to front plug and insert plug into line. Connect other end of triple hose to Air-Loc® Control Panel.
3. Conduct Test. Connect air compressor to control panel. Then inflate front plug to proper inflation pressure. Introduce air through control panel until test pressure is achieved. Monitor pressure for the time designated for the test. If the pressure holds for the designated time losing one psi or less, the line passes and is "accepted".

Sewer Air Test Line Acceptance Test



Always block plugs when conducting air tests!

STAY OUT OF THE DANGER ZONE DURING THE TEST!!

Leak Location Test Procedure:

(For complete detailed usage instructions, refer to the operations manual provided with Cherne's 500' Triple Hose with Reel.)

A leak location test needs to be conducted if the line acceptance test fails. The leak location test procedure is as follows:

1. String pipe using Cherne's Air Loc Line Stringer or other method, attaching winch cable which is then pulled back through line.
2. Attach two pipe plugs connected together with interconnect hose to winch cable and place in pipeline.
3. Connect 500' triple hose to front plug.
4. Conduct pressure test on first 22' segment of sewer line and record results.
5. Advance plugs forward 22' using the winch and conduct test, once again recording results. Repeat procedure until entire line has been tested.

Leak Location Test or Segment Test

