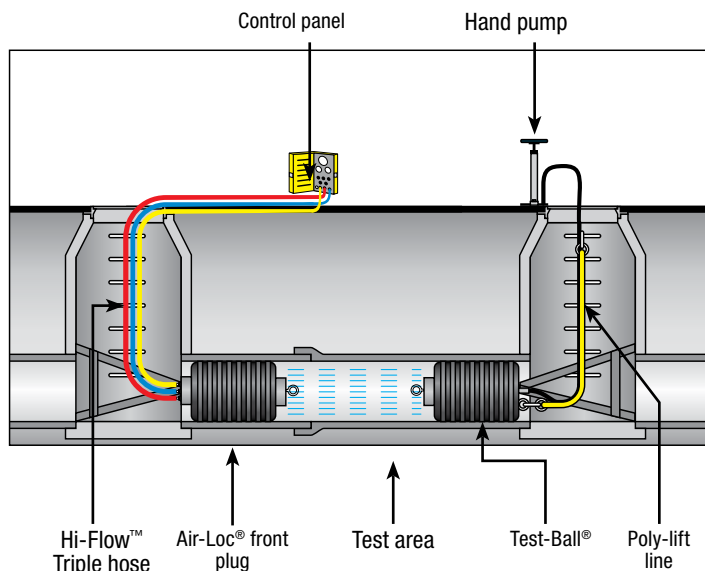


AIR-LOC® PRESSURE TESTING PROCEDURE

Air-Loc® Line Acceptance Test Procedure:

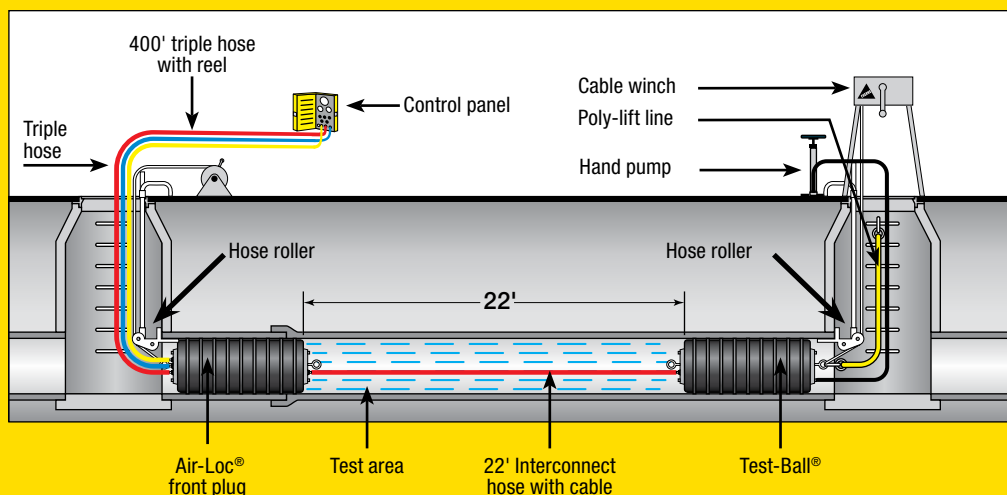
1. Install Back Plug. Attach poly lift line to pipe plug and place plug in line to be tested. Inflate plug to proper inflation pressure from above ground and out of the danger zone using an air compressor or hand pump to the rated inflation pressure.
2. Insert Front Plug. Connect triple hose assembly 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".



Leak Location Test Procedure:

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 400' 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, and the leak has been located.



STAY OUT OF THE DANGER ZONE DURING THE TEST!!
ALWAYS BLOCK PLUGS WHEN CONDUCTING AIR TESTS.

AIR-LOC® PRESSURE TESTING PANEL & HOSES

Hi-Flow™ Air-Loc® Control Panel

Panel includes gauges to monitor compressor pressure, plug pressure and test pressure, all in a sturdy case. 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.

AIR-LOC PRESSURE TESTING PANEL



PART NUMBER	DESCRIPTION
304718	Control Panel
026358	0–10 PSI Test Pressure Gauge – Retarded increments from 11–30 PSI
014828	0–60 PSI Ball Pressure Gauge
014848	0–160 PSI Compressor Gauge
043048 OA	3-Way Valve
296643	Regulator



AIR-LOC® PRESSURE TESTING HOSES

Triple Hose

The 3/8" diameter hose assembly is used to connect the Air-Loc® Panel to the front plug. 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.

Hi-Flow™ Triple Hose available with 3/4 blue test pressure hose for quick exhausting

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.

253388 Air-Loc® Triple Hose Reel

The Triple hose reel includes a 400' triple hose, and mounting plate for the control panel. Control panel is sold separately.

AIR-LOC PRESSURE TESTING HOSES



Triple Hose



22' Interconnect Hose

PART NUMBER	DESCRIPTION
035268	25' Triple Hose
257038	50' Triple Hose
257188	400' Triple Hose
257108	25' Hi-Flow Triple Hose
257098	50' Hi-Flow Triple Hose



Air-Loc® Triple Hose Reel

Hose Functions:

- Red Hose - Inflation
- Blue Hose - Test
- Yellow Hose - Read Back

AIR-LOC® & I-SERIES LEAK LOCATOR PLUGS

Air-Loc leak locator plugs are designed for both line acceptance tests as well as leak location testing. Air-Loc front plugs can also be used as blocking plugs by simply plugging the fill and read-back ports.

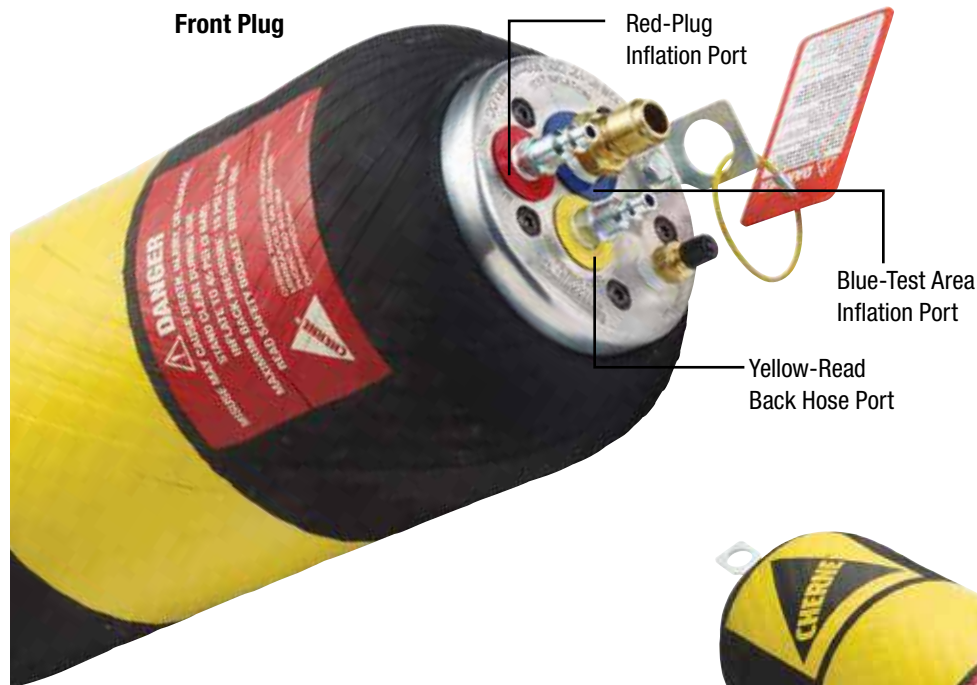
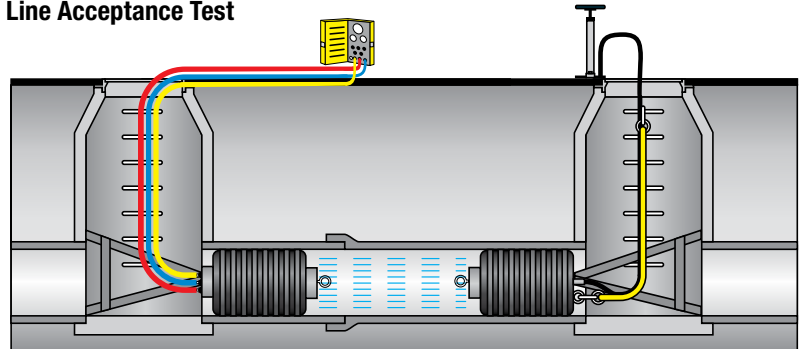
Features:

- Eyebolts on both ends for interconnecting plugs
- Easy to use quick-disconnect hose connections

“Front” Air-Loc Leak Locator Plugs also come equipped with:

- Color coded inflation ports
- Removable air fittings
- Flexible internal hoses

Line Acceptance Test



AIR-LOC® & I-SERIES LEAK LOCATOR PLUGS

FRONT PLUGS

PART NUMBER	NOMINAL SIZE	USAGE RANGE	MAXIMUM BACK PRESSURE	INFLATION PRESSURE	PRODUCT WEIGHT	DEFLATED LENGTH
AIR-LOC® PLUG						
217088	6"-10" (152.4-254 mm)	5.5"-10.25" (139.7-260.35 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	4.5 lbs	19.25"
317128	6"-12" (150-300 mm)	5.5"-12.25" (150-311 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	8 lbs	25"
217128	8"-12" (200-300 mm)	7"-12.25" (178-312 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	10.4 lbs	18.5"
217168	8"-16" (200-400 mm)	7.5"-16.25" (186-413 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	15 lbs	28"
217188	12"-18" (300-450 mm)	10.75"-18.25" (273-478 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	23 lbs	25"
617188	12"-18" (300-450 mm) with sleeve	10.75"-18.25" (273-478 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	38 lbs	25"
217288	12"-24" (300-600 mm)	11"-24.25" (279-616 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	31 lbs	37"
617248	12"-24" (300-600 mm) with sleeve	11"-24.25" (279-616 mm)	15 PSI (1 Bar)	45 PSI (3 Bar)	43 lbs	37"
I-SERIES FRONT PLUGS						
*317328	15"-32" (380-800 mm)	15"-32" (380-800 mm)	**	25 PSI (1,72 Bar)	73 lbs	48"
*317408	20"-40" (500-1000 mm)	19"-40" (475-1000 mm)	**	22 PSI (1,5 bar)	95 lbs	46.25"
*317488	24"-48" (600-1200 mm)	20.5"-50" (521-1270 mm)	**	22 psi (1,5 bar)	125 lbs	74.5"
*317600	24"-60" (600-1500 mm)	20.5"-60.5" (520-1537 mm)	**	22 psi (1,5 bar)	148 lbs	88"
*317728	48"-72" (1200-1800 mm)	44"-72.25" (1118-1835 mm)	**	12 psi (0,83 bar)	290 lbs	100"
*317968	54"-96" (1400-2400 mm)	54"-96.25" (1400-2450 mm)	**	11 psi (0,75 bar)	500 lbs	128"

*Pressure relief valve or rupture disc ** Consult back pressure table below.

BACK PRESSURE DATA: I-SERIES PLUGS

PLUG SIZE	PIPE DIAMETER								
	4"	6"	8"	10"	12"	16"	18"	21"	24"
4"-8"	30.0 psi	23.0 psi	15.0 psi	-	-	-	-	-	-
6"-12"	-	26.0 psi	23.0 psi	22.0 psi	15.0 psi	-	-	-	-
8"-12"	-	-	26.0 psi	23.0 psi	15.0 psi	-	-	-	-
8"-16"	-	-	29.0 psi	27.0 psi	25.0 psi	15.0 psi	-	-	-
12"-18"	-	-	-	-	25.0 psi	22.0 psi	15.0 psi	-	-
12"-24"	-	-	-	-	27.0 psi	25.0 psi	22.0 psi	19.0 psi	15.0 psi

PLUG SIZE	PIPE DIAMETER														
	15"	18"	19.35"	21"	24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	96"
15"-32"	18.6 psi	17.6 psi	17.2 psi	16.6 psi	15.4 psi	12.2 psi	-	-	-	-	-	-	-	-	-
20"-40"	-	-	-	13.6 psi	12.5 psi	11.2 psi	10.2 psi	8.7 psi	-	-	-	-	-	-	-
24"-48"	-	-	-	-	15.2 psi	13.9 psi	12.8 psi	11.4 psi	10.1 psi	-	-	-	-	-	-
24"-60"	-	-	-	-	15.6 psi	15.2 psi	14.8 psi	14.0 psi	12.6 psi	9.6 psi	6.0 psi	-	-	-	-
40"-60"	-	-	-	-	-	-	-	15.0 psi	13.0 psi	11.0 psi	8.7 psi	-	-	-	-
48"-72"	-	-	-	-	-	-	-	-	7.2 psi	6.8 psi	6.4 psi	6.2 psi	6.0 psi	-	-
54"-96"	-	-	-	-	-	-	-	-	-	7.3 psi	7.2 psi	6.9 psi	6.8 psi	6.6 psi	6.4 psi

IMPROVED CONSTRUCTION METHODS 877-494-5793

ALWAYS BLOCK PLUGS WHEN CONDUCTING AIR TESTS.

AIR-LOC® PRESSURE TESTING

The Cherne Air-Loc® Low Pressure Air-Testing System

has been successfully used for testing sewer pipe installations since the 1960s. This method of testing pipelines has proven to be the fastest, most economical and accurate method of testing pipe. It allows you to perform tests as prescribed by ASTM C828, C924, and F1417.

Air-Loc® Line Acceptance Kit (Part #253398 - 75 lbs)

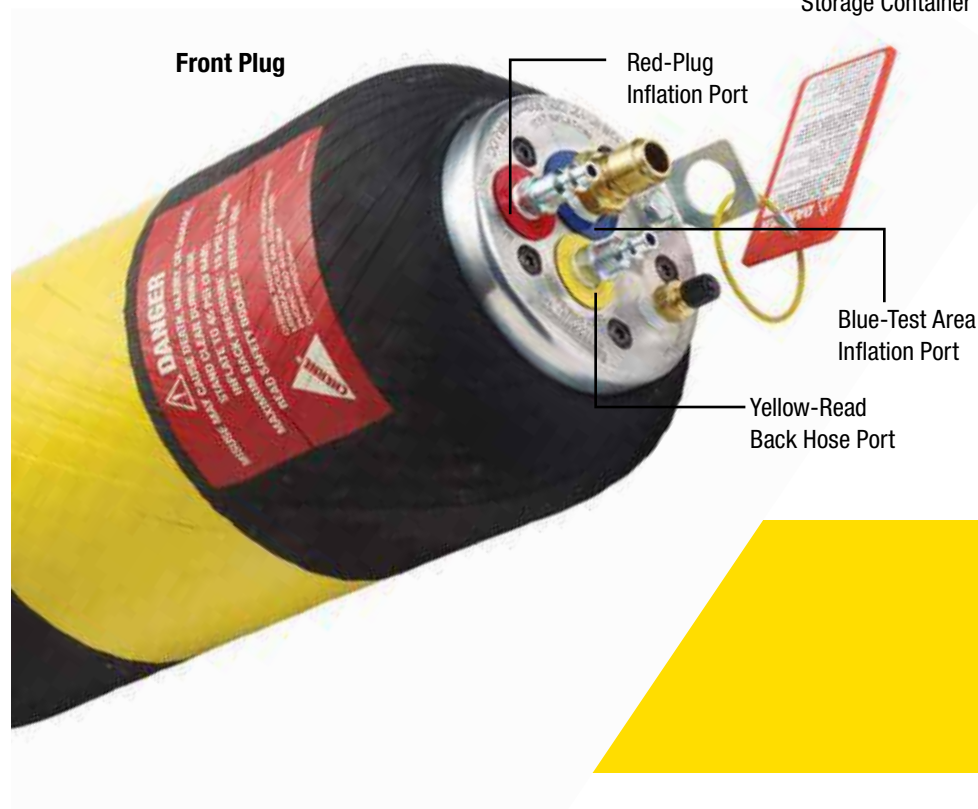
Cherne's Line Acceptance Kit is used to perform low pressure air tests on newly installed sewer lines. The Line Acceptance Kit includes all items needed to conduct the test except an air compressor and two pipe plugs.

Air-Loc® Plug Features:

- Air-Loc Leak Locator Plugs are designed for both low-pressure sewer line acceptance tests as well as leak location testing
- Color coded inflation ports match hose and panel of Air-Loc® system
- Flexible internal hoses and air fittings make these plugs the best in the business



Line Acceptance Kit with Storage Container



AIR-LOC® PRESSURE TESTING

Air-Loc® Conversion Kit Features:

- Converts Muni-Ball® plugs to air test plugs
- Available for line acceptance and/or leak location tests

Equipped with:

- Colored discs coded to hose connections
- Conversion set up instructions

HI-FLOW™ LINE ACCEPTANCE CONVERSION KITS (3/8" AND 3/4" HI FLOW HOSE)



Hi-Flow™ Line Acceptance Conversion Kit Cap Version
3/4" Test Pressure quick connect

PART NUMBER	DESCRIPTION	PRODUCT WEIGHT
041748	2" M NPT Plug conversion kit	3.3 lbs (1.5 kg)
041758	3" M NPT Plug conversion kit	2.5 lbs (1.13 kg)
041768	4" M NPT Plug conversion kit	4.25 lbs (2 kg)
049108	2" F NPT Cap conversion kit	3.3 lbs (1.5 kg)
041778	2½" F NPT Cap conversion kit	2.5 lbs (1.13 kg)
041788	4" F NPT Cap conversion kit	6.25 lbs (2.84 kg)
041718	6" F NPT PVC Cap conversion kit	2.75 lbs (1.25 kg)
041798	3" F NPT Cap conversion kit	2.5 lbs (1.13 kg)

Hi-Flow™ Line Acceptance Conversion Kit Plug Version
3/4" Test Pressure quick connect

LINE ACCEPTANCE / LEAK LOCATION CONVERSION KITS (FOR 3/8" HOSES)



Leak Location Conversion Kit Plug Version
3/8" Leak Location quick connect

PART NUMBER	DESCRIPTION	PRODUCT WEIGHT
028588	¾" M NPT Plug conversion kit with quick-disconnect fittings	1.5 lbs (.7 kg)
028598	1½" M NPT Plug conversion kit with quick-disconnect fittings	2.75 lbs (1.25 kg)
028608	2" M NPT Plug conversion kit with quick-disconnect fittings	3.3 lbs (1.5 kg)
028618	3" M NPT Plug conversion kit with quick-disconnect fittings	2.5 lbs (1.13 kg)
028628	4" M NPT Plug conversion kit with quick-disconnect fittings	4.5 lbs (2 kg)
049028	2" F NPT Cap conversion kit with quick-disconnect fittings	3.3 lbs (1.5 kg)
028648	2½" F NPT Cap conversion kit with quick-disconnect fittings	2.5 lbs (1.13 kg)
028668	4" F NPT Cap conversion kit with quick-disconnect fittings	6.25 lbs (2.84 kg)
041858	1" F NPT Cap conversion kit	2 lbs (0.9 kg)

Line Acceptance Conversion Kit Cap Version
3/8" Leak Location quick connect