

MAINLINE

Fullport Backwater Valve

INNOVATIVE

*New Generation
of Backwater Valves*

TECHNOLOGY

WINNER

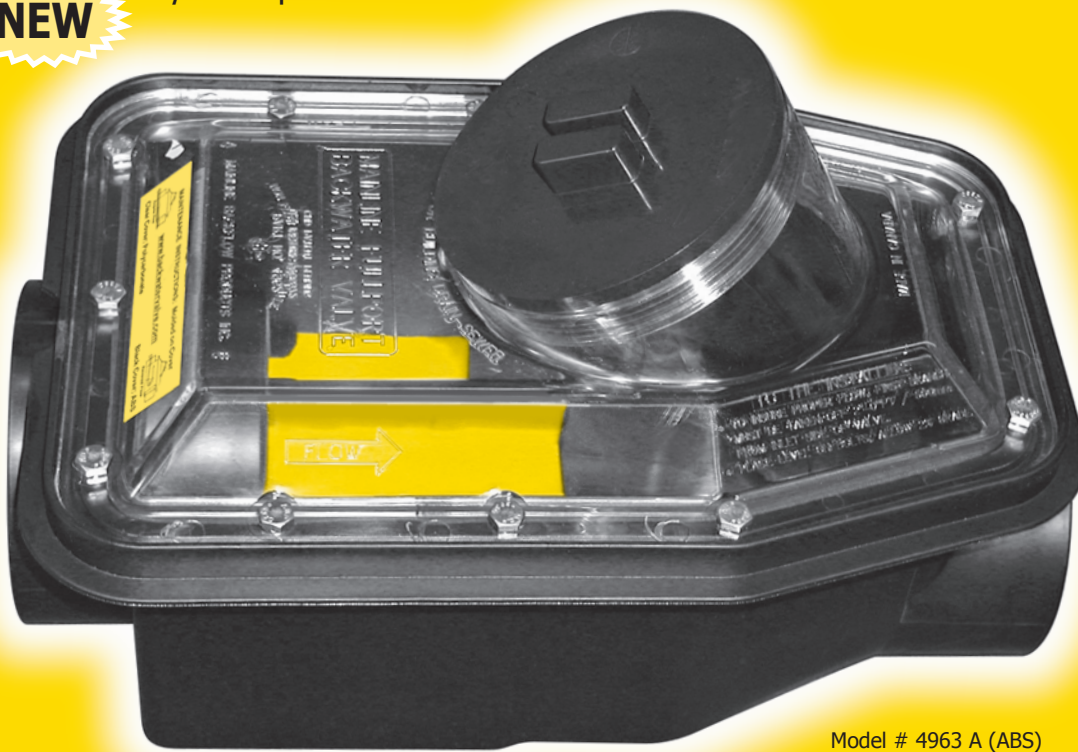


2005

Clear transparent lid provides
easy visual inspection

Built-in sewer clean-out

NEW



Model # 4963 A (ABS)
#4963 P (PVC)



**MAINLINE
ACCESS BOX**

Model # PE 2013

MAINLINE

BACKFLOW PRODUCTS

www.backwatervale.com / www.backwatervale.ca

Toll Free: 1-877-734-8691



MAINLINE

Fullport Backwater Valve

Model #4963 A (ABS)
#4963 P (PVC)

NEW MAINLINE Clear Top for easy visual inspection and cleaning

MAINLINE Fullport (Normally-open) Non-Flow Restricting

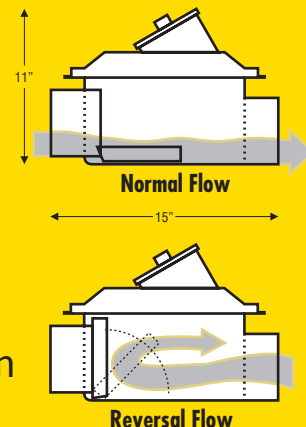
MAINLINE No problems with Blockages

MAINLINE Gate closes automatically when sewer starts to backup

MAINLINE Cleaning-rod does not destroy the gate when feeding or retrieving cable

MAINLINE Normally-open design allows the free circulation of air throughout the plumbing system to the municipal sewer

MAINLINE Award-winning technology

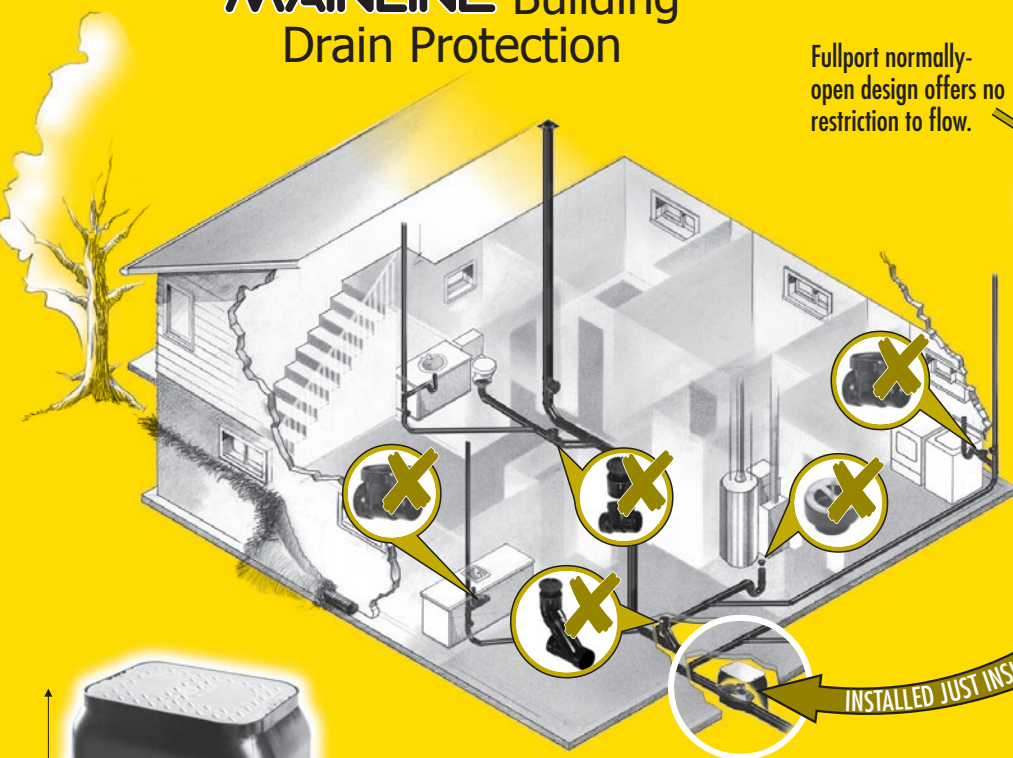


WINNER



2005

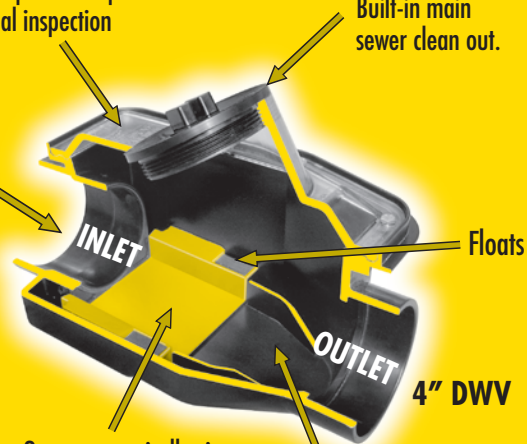
MAINLINE Building Drain Protection



Clear transparent lid provides easy visual inspection

Fullport normally-open design offers no restriction to flow.

Built-in main sewer clean out.



Gate automatically rises upon reversal flow isolating entire plumbing system from backflow.

Flow channels on gate and body divert sewage from inlet to outlet preventing sewage buildup.



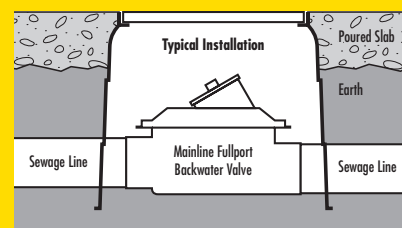
ACCESS BOX
Model # PE 1013

MAINLINE

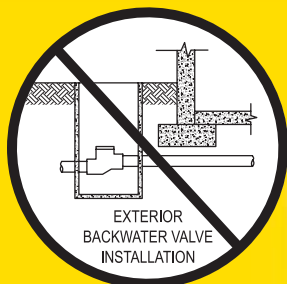
BACKFLOW PRODUCTS

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Note: 3/4" height difference between Inlet and Outlet



EXTERIOR
BACKWATER VALVE
INSTALLATION

**NO
EXPENSIVE
VAULT
REQUIRED**



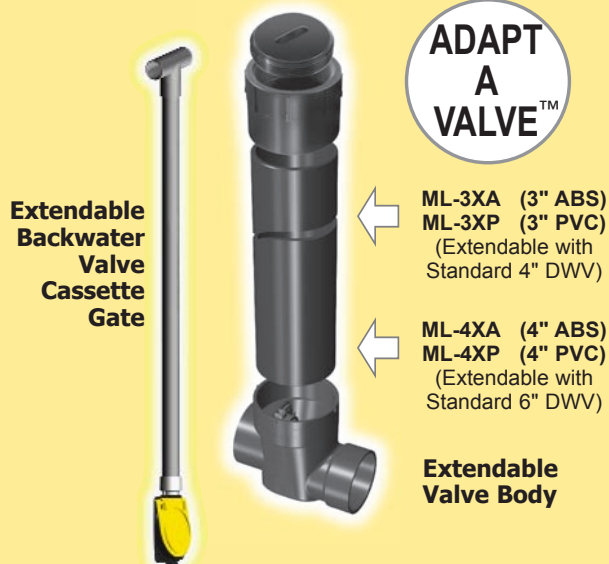
**GROUND
LEVEL
ACCESS
at any depths**

BUILDING

**COST EFFECTIVE
EXTERIOR / INTERIOR
INSTALLATION**

**ADAPT
A
VALVE™**

Extendable Backwater Valve



NEW!

TEST-EZE-GATE

**Saves
Testing
Time**

**Pressure
Test Your
Plumbing
System**

**SAFELY
QUICKLY
EASILY**

with
**ADAPT
-A-
VALVE™**

**Allows
System
to be
Tested and
Retested**

**No More:
Expensive
and
Dangerously
Over-inflated
Test Balls**
•
Hub Sets



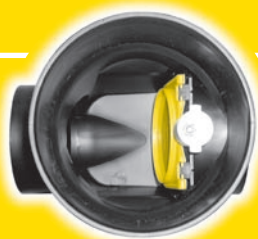
TEST-EZE-GATE

Can be used over and over again

Extendable Backwater Valve

- Eliminates Manhole or Expensive Vaults
- Allows easy ground level access at any depths
- Removable seat and gate (Cassette) allows full servicing of unit
- Reflective sticker in body serves as guide for ease of cassette insertion
- Cassette locks in body
- Lightest gate in the industry offers next-to-no flow-restriction
- Double-hinge gate design keeps gate aligned to seat
- O-ring seal
- For SDR Pipe use SDR adapters

**NORMALLY-CLOSED
GATE**



Available Models:
ML-3XA (3" ABS) / ML-3XP (3" PVC)
ML-4XA (4" ABS) / ML-4XP (4" PVC)



**AT FINISHED GRADE,
USE STANDARD DWV
THREADED PLUG AND
FIP or ALTERNATE CAP**
(Not Included)

**EXTENDABLE
CASSETTE ALLOWS
RETRIEVAL OF
CASSETTE**
(3/4" Pipe not included)

**3" Backwater valve
EXTENDABLE with
4"-DWV pipe***

**4" Backwater valve
EXTENDABLE with
6"-DWV pipe***

CASSETTE

**EXTENDABLE
VALVE BODY**

**pipe not included*

OPTIONS

TEST-EZE GATE FEATURE for ADAPT-A-VALVE

- Allows testing through your backwater valve
- Simply slide Test Gate into body and Pressure up
- Available for both 3" and 4" Adapt-a-Valve models

**Models: ML-3TZ (3")
ML-4TZ (4")**



NORMALLY-OPEN GATE FEATURE

Available by Special Order on 4" Model Only

- Installed with gate in horizontal position
- Special Gate, fitted with floats, floats gate to closed position on Reversal Flow
- Offers no flow restriction
- Air-flow not restricted
- O-ring seal



DISTRIBUTED BY:



LISTED COMPONENTS

- Cassette + Extension Adapter
- Backwater Gate
- Air gate component
- Extension Body
- Test Gate



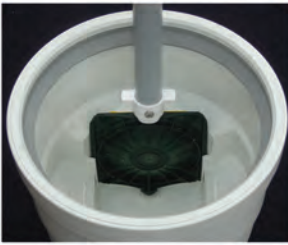
Description
Inspection Chamber
Downstream Pressure
Test and Debris Plug

Model Number
ML-4TEPP



Description
Inspection Chamber
Body
4"X4"X8" riser
Gasketed SDR-35
Built to SDR-26 spec

Product Code
ML-4481C



Description
Inspection Chamber
Test/Isolation Gate

Model Number
ML-4TZ



Description
Inspection Chamber
Collar Lids available
in red, blue, green
and white

Model Number
ML-81CLID-R
ML-81CLID-B
ML-81CLID-G
ML-81CLID-W



Description
Inspection Chamber
"Normally-closed"
Backflow Cassette

Model Number
ML-4Cass01 NC



Description
Inspection Chamber
Collar
8" PVC SDR-35
solvent weld socket

Model Number
ML-8AAV COL



Description
Inspection Chamber
"Normally-open"
Backflow Cassette

Model Number
ML-4Cass01 NO

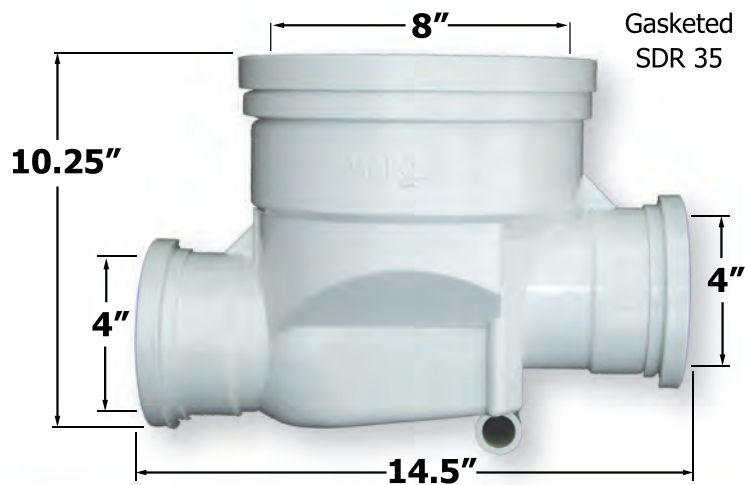


Description
Inspection Chamber
Collar/Lid Combo

Model Number
ML-8AAV LID/COL
(Specify lid color)

* Please note 3/4" SCHD 40 pipe Not Included (for extended handle)

DIMENSIONS



Description
DWV Solvent Weld Body
(PVC or ABS)
4" X 4" X 6" riser

Model Number
ML-4BDY01 (PVC)
ML-4BDY01 (ABS)

MAINLINE

ADAPT-A-VALVE™
INSPECTION CHAMBER



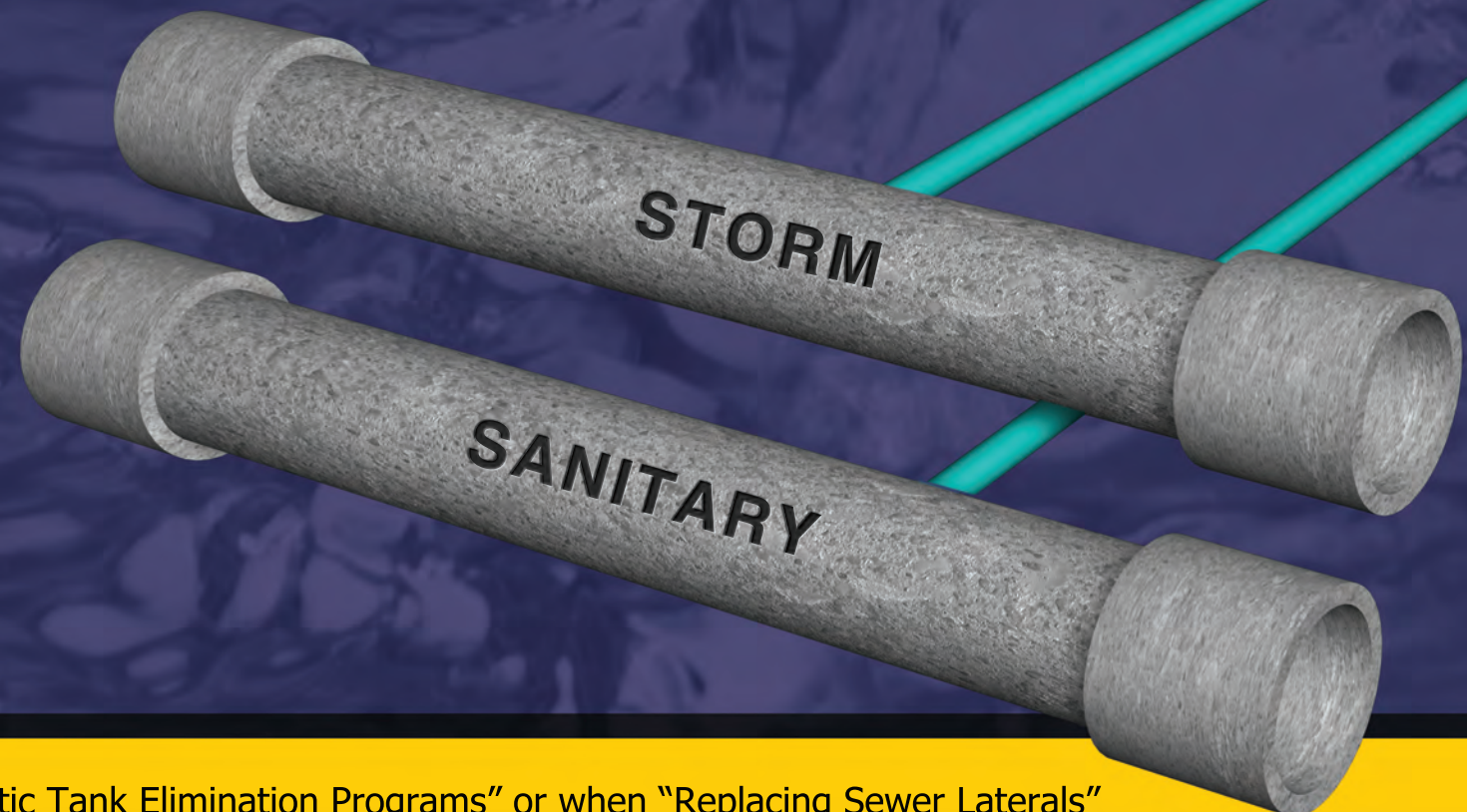
Mainline developed the Inspection Chamber because they recognized the need for municipalities to have easy access to their storm and sanitary service lines. Inspection Chambers allow municipalities quick convenient access to storm and/or sanitary sewer services for visual inspection or maintenance without gaining access to private property.

ADAPT-A-VALVE™ INSPECTION CHAMBER

Advantages and Benefits

There are many advantages and benefits for municipalities using our Inspection Chambers, including:

- Easy identifications of sewer locations
- Reduced maintenance calls due to callouts where private property owners claim a municipal blockage
- Allows municipality to determine if blockage is on municipal or private property.
- Repairs without costly or unsightly damage to property
- Easy access for flusher trucks, rodder or camera crews
- Access for inspection in situations of infiltration problems, root build up or root control
- Expense of Inspection Chamber is born during initial development
- RISK MANAGEMENT: eliminates the need for city personnel to enter private properties or residences to access city portion of sewer lateral for maintenance, repair or inspection
- Chamber allows "Sampling" of sewers



**ADAPT-A-VALVE™
INSPECTION CHAMBERS**



**More than just a
"Sewer Access"**

PATENTED ADAPT-A-VALVE™ TECHNOLOGY

Extendable Cassette Technology
allows Chamber Body to be
converted to:

- "Normally-closed or "Normally-open
backflow protection
- "Test Gates" allows chamber to be
used as a pressure test device or as
an "isolation" or "Sewer Shut-off"
Valve



S.T.E.P. For "Septic Tank Elimination Programs" or when "Replacing Sewer Laterals"
Protect against backflow by installing the "Adapt-a-Valve™" series "Inspection Chambers or Backwater Valves"

MAINLINE

TEST-EZE-TEE™

Setting A New Standard In Sewer Pressure Testing



INNOVATIVE TECHNOLOGY



Horizontal
or Vertical
Applications

**Safest / Quickest / Easiest and most Reliable
Pressure Test You Will Ever Conduct!**

Simply Slide the Test-Gate in the Tee and you're Ready to Test!



**Eliminates Inflatable Test Balls,
Mechanical Plugs and HubSett**



MAINLINE

BACKFLOW PRODUCTS

Call Toll Free: 1-877-734-8691

www.backwatervalue.com

Order Information:

TEST-TEE Body	model # ML3TT ABS / ML3TT PVC
TEST-GATE	model # ML3TG
SPACER-GATE	model # ML3BLG

Note: * all items sold separately * available in 3" at this time

Typical Installation Procedures

(Horizontal or Vertical applications)

1. Install tee in drainage line *(prevent solvent cement from entering body)*
2. Check and lubricate O-ring on Test-Gate
3. To prevent debris from entering guide slot,
Install Test-Gate at same time of tee installation
with O-ring facing pressure side
4. After Test, remove Test-Gate *(reuse on next installation)*
If required, build a 3/4" puller key (see below)
5. Body may be extendable with 4" DWV

If Test-Gate not installed in tee at time of installation, order and install optional Spacer-Gate to keep debris from entering guide slot.



Typical Installation

Building a Removable Puller Key for your Test-Gate

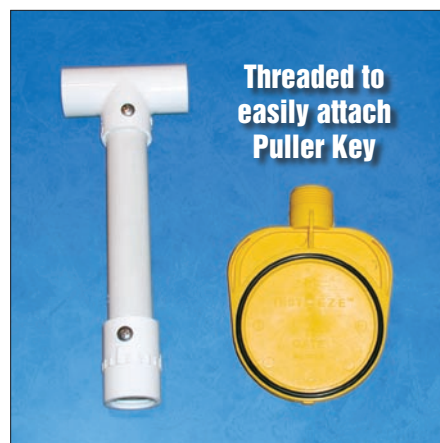
Advantage of building a removable key is that the key will not be left in ground where the gate may be prematurely removed by another contractor; provides savings in pipe when building multiple solid keys.

Puller-Key

Attach a 3/4" tee onto a piece of 3/4" pipe and attach a 3/4" FIP on the end of the pipe. To remove Test-Gate on extended bodies, simply screw Puller Key onto 3/4" gate thread and pull up.

Optional Fill Feature:

Test-Eze™-Tee has two knockouts built into the body. By knocking out the knockout and solvent-welding a piece of 1/2" pipe and hose connection you may fill the system through the tee.



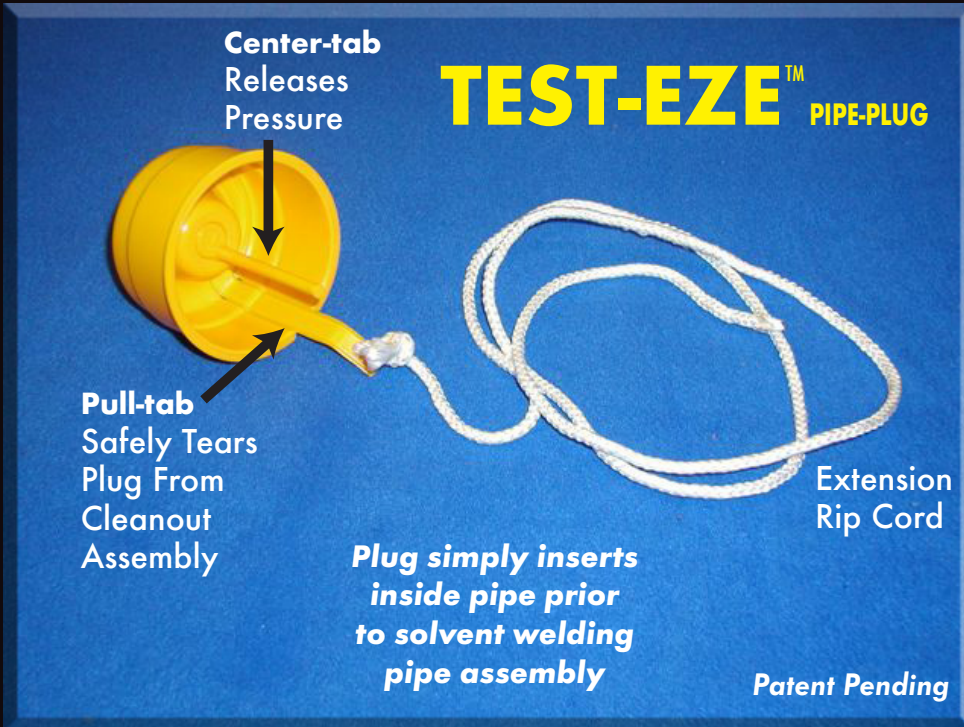
For More Information contact 1-877-734-8691

www.backwatervalue.com

TEST-EZE™ PIPE-PLUG

• NO MORE DANGEROUS INFLATABLE TEST BALLS • EXPENSIVE MECHANICAL DEVICES • TEST COUPLINGS

INNOVATIVE



TECHNICAL



SIMPLIFIES PRESSURE TESTING

MAINLINE
BACKFLOW PRODUCTS
www.backwatervalue.com

Termex™ Valve

Specifications

"Normally-closed"
Version

PVC Body

4" Size

2 Hinge System

Light Weight
ABS Gate

O-Ring
Seal

PATENT PENDING

Applications

Drainage



Lift Stations



Sewage Systems



- Septic Tanks
- Storm Water Retention Ponds
- End of Pipe Backflow Protection
- Various other applications



- Available in various sizes
- "Normally-open" Version also available

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BACKFLOW PRODUCTS

www.backwatervalve.com

Toll Free 1-877-734-8691

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