



Mueller® DBS System

For interruption-free gas meter maintenance & replacement

DBS System Operation & Capabilities

Simple bag inflation from external CNG source

Large, easy-to-read gauge for continuous pressure monitoring

Bagging off stops gas flow from upstream, while gas from external source for downstream is injected through tool

Utility-supplied CNG source maintains customer service during repairs

CNG



Set Up System on Elbow or Pipe



Clean-Up with Magnetic Tool



Bag-Off & Bypass Service Line



Drill Access Hole in Elbow or Pipe



Tap Access Hole in Elbow or Pipe & Clean-Up with Magnetic Tool



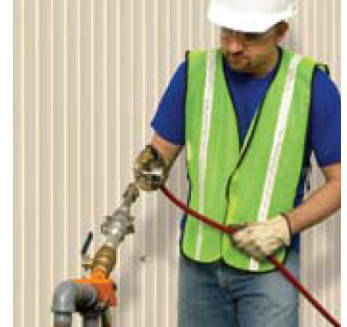
Complete Service Work, Restore System Supply, Remove Bagging Assembly, Install Plug & Disassemble System

Safely replace gas meters and perform a variety of other procedures... all without shutting off gas service.

Working on any part of a meter set usually means interrupting the customer's service. If only this maintenance work could be done without dealing with this complication... Well, now it can.

The Perfect Tool for Multiple Jobs

Even on lines without a means in place to establish a bypass, now there's no need to shut off the gas— no need to schedule appointments! The Mueller® DBS System allows you to perform a variety of tasks on your own schedule without interrupting customer service. Crews can usually do the necessary work without imposing on the customer or even entering buildings, since gas service is maintained and pilots remain lit. Missed appointments and rescheduling problems are no longer issues either. Since the system has been designed to function in an “open air” environment, the DBS System allows direct, hands-on access to all components of the meter set during repair work, without having to deal with a cumbersome shroud and glove ports. With this Mueller NO-BLO® Directional Bagging System, work gets done more conveniently and on YOUR schedule!



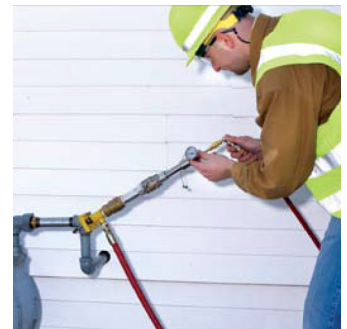
Why the System is So Unique

The Mueller DBS System is a portable system of tools that allows field technicians to perform many tasks related to the gas service line, including meter replacement and work on any part of the meter set, such as risers and regulators... even removal and replacement of defective service line pipes and fittings. The DBS System consists of a control chamber with saddle that can be clamped almost anywhere on the piping downstream of the meter. A set of specialty tools can then be attached to the control chamber to perform the following dedicated operations: 1) drill and tap an access port in the pipe, 2) magnetically remove metallic debris left from the drilling process, 3) position and inflate the bag that seals off gas flow and 4) install a threaded plug in the access port, once the work is done. The bagging tool also allows for connecting a small bottle of natural gas (CNG) to serve as a source for uninterrupted gas flow downstream of the work area. The control chamber prevents gas from escaping during any repair operation.



A Safe and Reliable NO-BLO® Development

The Mueller DBS System is an innovative addition to the company's extensive NO-BLO product line. All NO-BLO products have been field-tested extensively and are designed to allow gas distribution systems to be worked on efficiently and safely by professional service personnel— all while maintaining complete control over gas flow during every stage of the installation or repair process.



Mueller DBS System Features & Benefits

- Practically eliminates the need for appointments with utility customers— because meter set repair, meter replacement, pipe or fitting replacement can be done quickly and safely at any time
- Unique design of this system keeps natural gas flowing uninterrupted into property owner buildings so, no need to enter buildings to inspect and relight pilots— this improves worker safety and eliminates potential liability issues
- Allows service technicians to make better use of their time— reduces change-out time by as much as 40%*
- System easily attaches to almost any location on the pipes or elbows downstream of the meter
- Heavy-duty steel construction throughout, with stainless steel and brass components in critical areas of operation – built for durability and long life
- Easy access to seals for trouble-free maintenance
- Reliable NO-BLO performance
- Drastic reduction of time needed for customer interaction and travel— an estimated 54% for this type of work*
- Heavy-duty, padded carrying case for easy transport

* GTI Gas Operations NEWS, November 2007, Volume 4, No. 2

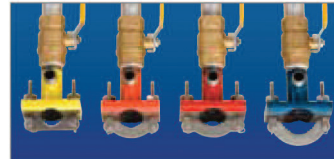
Parts Description & Specifications



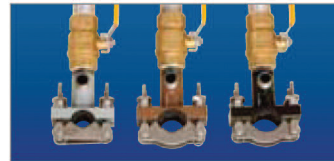
Recommended Bagging Accessories



Control Chamber with Saddle sold as separate unit – ordered separately to configuration and size that is needed



Saddle Options for Elbow Connection – available in 4 sizes



Saddle Options for Pipe Connection – available in 3 sizes

Parts Description:

Main Kit Includes:

- Hole Saw Tool/with Hole Saw and Pilot Drill
- Magnet Tool
- Tapping Tool/with Tap
- Bag Tool
- Completion Tool
- Tap Wrench
- Socket Wrench/Hex Socket

Typical items to be purchased, depending on job requirements:

- Saddles:
 - Elbow – 3/4", 1", 1-1/4" & 1-1/2" sizes
 - Pipe – 1", 1-1/4", & 1-1/2" sizes
- DBS Bags – 3/4", 1", 1-1/4" & 1-1/2" sizes
- Hole Saw
- Pilot Drills
- Tap
- Quick Setting CA Glue
- Completion Plugs
- Replacement Saddle Gaskets
- Replacement Bag Wire

Specification Requirements:

- 1 PSI MAOP
- 3/4", 1", 1-1/4", or 1-1/2" elbow downstream of meter set with adequate room to launch and inflate bag
- 1", 1-1/4" or 1-1/2" pipe nipple downstream of meter set with adequate room to launch and inflate bag

U.S. Patent 7,886,773

Technology developed by or in conjunction with Operations Technology Development, NFP All products must be installed and maintained in accordance with applicable instructions and/or standards, including NFPA 54-National Fuel Gas Code. All Mueller Co. brochures and/or products are subject to change without notice.



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