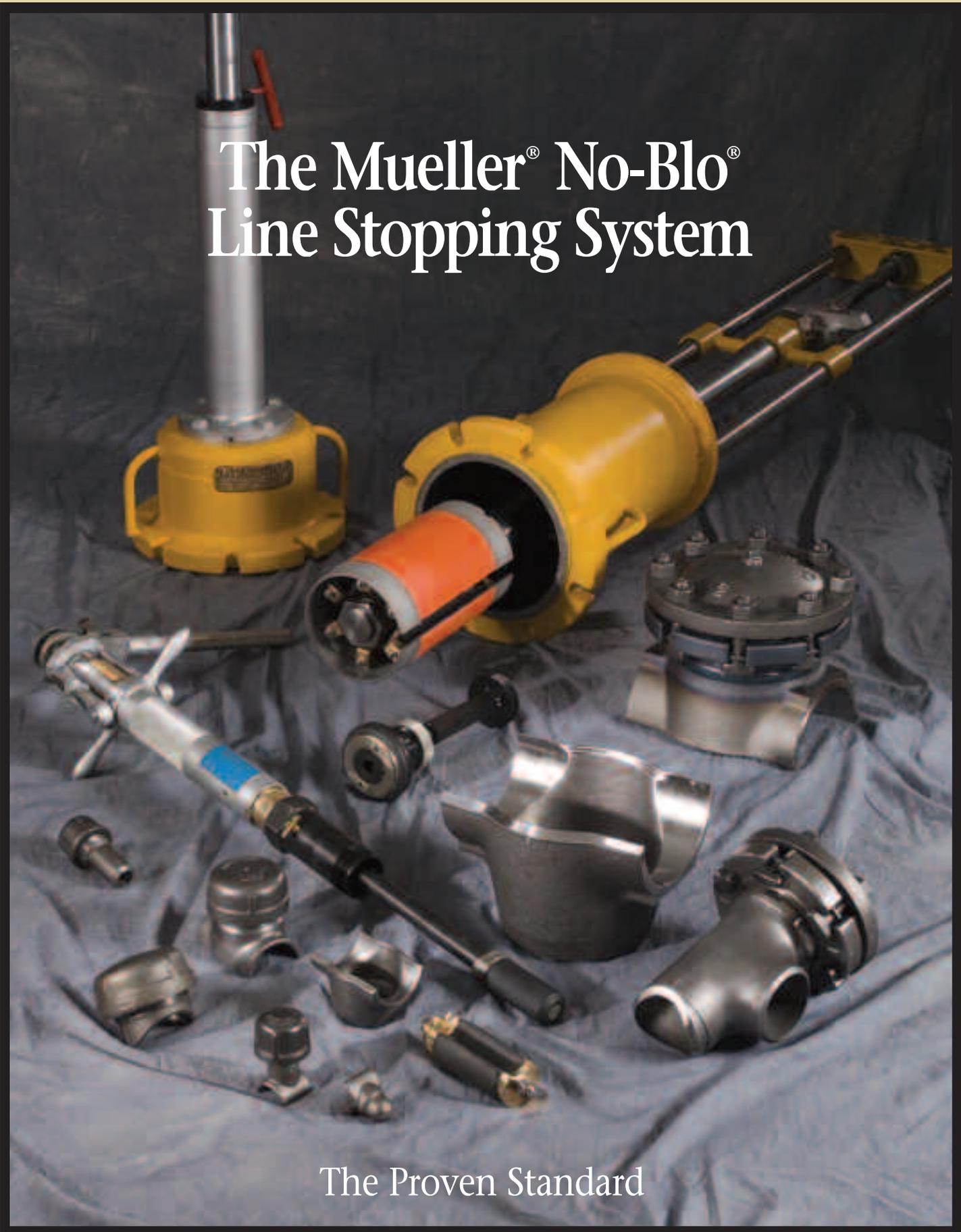


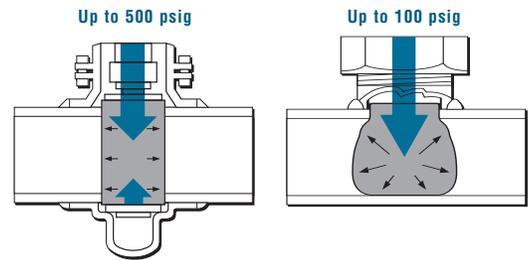
The Mueller® No-Blo® Line Stopping System



The Proven Standard

Choice of two systems to fit any job

The Mueller® No-Blo® Line Stopping System has the versatility to suit your specific needs. Choice of high or low pressure systems; bypass, double or single stop-offs; line extensions and branch connections; large or small lines and flow capacities— whatever the circumstances of your application, Mueller has the tools and parts to get the job done.



High pressure, two-piece fittings

At higher pressures with Mueller equipment, a section of pipe is cut away inside a two-piece fitting, and an expandable steel stopper with a resilient urethane covering is locked in place. The forged steel fitting (some available rated at 1440 psig) provides full reinforcement of the pipe in the area of the cut and retains the full pressure rating of the line.

• Bypass/double stop-offs

A section of pipe can be isolated for maintenance or relocation without interrupting flow downstream. The Mueller No-Blo System provides a choice of methods.

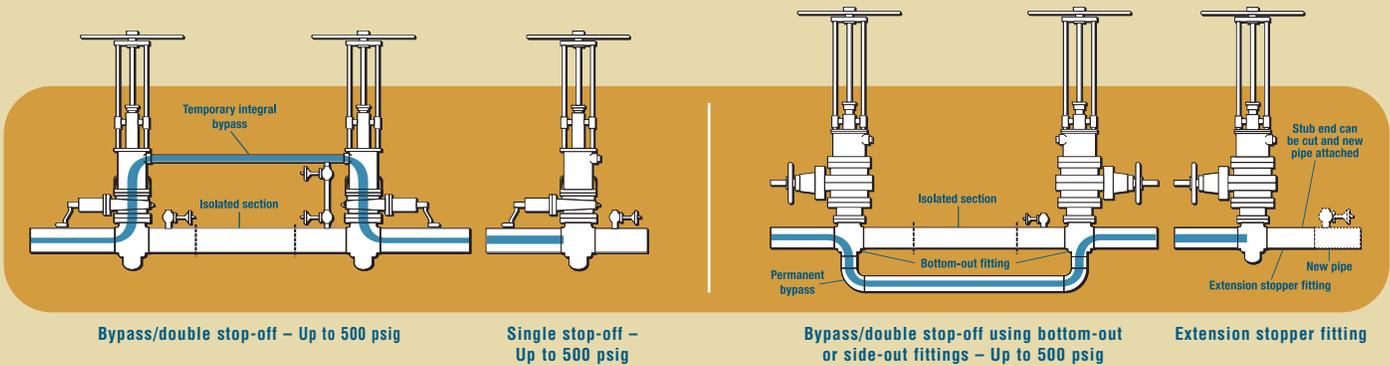
After welding stopper fittings both up-and downstream of the section of pipe to be isolated and making the cuts, but before the stoppers are put into place, a temporary bypass line can be installed between the Mueller stopping machines. When the stoppers are set to isolate the pipe, flow will continue uninterrupted through the temporary bypass. An alternative allows flow to be diverted through

permanent, relocated piping at the same time cuts are being made for the stop-off operation. The new piping can be welded to the bottom or side of special fittings. These Mueller “bottom-out” or “side-out” fittings provide a smooth path for fluid flow and minimize flow loss. Combination “bottom and side-out” fittings are also available.

• Single stop-offs

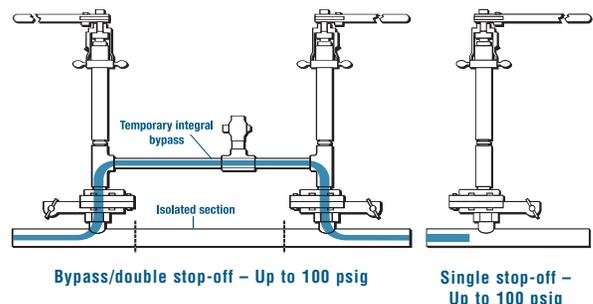
For line maintenance, replacement, extension or relocation, the Mueller No-Blo Line Stopping System lets you stop-off flow completely. For a single stop-off, one fitting is welded to the pipe, a cut is made and the stopper inserted.

Line extensions or branch connections: Extend dead-end piping or connect a branch to an existing one, under pressure without using a valve. Install Mueller Extension Stopper Fittings at dead-ends or on the side of the line when it is installed. Later, when needed, stop-off the fitting, cut off its capped end and attach the new pipe. A branch line also can be connected at any time above, below or on the plane of an existing line using Mueller flanged tee, side-out or bottom-out fittings.



Low pressure, one-piece fitting

For lines up to 100 psig, Mueller offers a simple one-piece fitting that requires just a drilling machine to cut the pipe, insert and lock a solid rubber stopper in place, then insert the completion plug into the stopper fitting to complete the job. This system involves cutting through only one side of the pipe. Single stop-offs and double stop-offs using a temporary bypass can be done using this system.



The Mueller® No-Blo® Line Stopping System provides sure natural gas control.

No doubt about it!

Mueller's No-Blo Line Stopping System is the preferred system for a range of installation, repair and maintenance operations on pressurized pipelines. Stop gas flow completely or divert it safely with the gas distribution industry's preferred choice.

Efficiency and safety

The Mueller No-Blo Line Stopping System removes all doubt about the safety of your job. When the No-Blo System is properly applied, you can weld with confidence that your stop-off is effective.

- All system parts and procedures are matched and work together to maintain full, safe control of the line fluid.
- Equipment has been refined through years of field use to be efficient, dependable and above all – safe.
- Mueller stoppers are seated and locked against freshly machined surfaces in the wall of the pipe to assure a reliable seal.
- Mueller stoppers do not have to be withdrawn and repositioned to test the line.

Positive sealing

The Mueller No-Blo System leads the industry in safety and dependability by creating a sure seal regardless of pipe conditions.

- Stopper mechanically locked in place for positive control of gas flow.
- Bi-directional seal does not depend upon line pressure to seat and seal the stopper.
- Seal allows back-pressure testing to prove the integrity of the new or repair pipe before the line is subjected to line flow, as is required by D.O.T regulations when working on natural gas lines.

Versatility

Use Mueller No-Blo Line Stopping equipment for a variety of applications and a range of pressures.

- System can work on piping from 3/4" through 12" and at pressures up to 500 psig (3447 kPa) during the stopping operations. Fittings are available for working pressures up to 1440 psig (9936 kPa).
- Natural gas flow can be stopped completely, or it can be diverted through a permanent or temporary bypass.
- Extend lines or create branch connections on, above or below the plain of the existing pipe choosing from a complete selection of fittings and stoppers.



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All products must be installed and maintained in accordance with applicable instructions and/or standards.