

Flowstop products fall into two broad categories:

- 1 Pipeline stoppers which, when deflated, are slightly smaller than the diameter of the pipe to be sealed. These require access to the main diameter of the pipe.
- 2 Stoppers which when deflated can be compressed to fit through an opening of $\frac{1}{4}$ the pipe diameter or less.

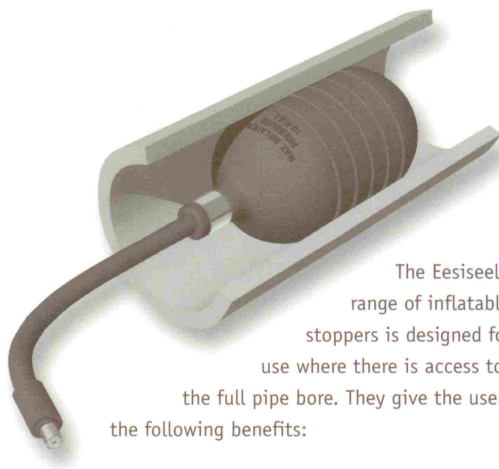
Some have a spinal tube so that they can be pushed into position against the flow in the pipe. Others are unsupported and when inserted go with the flow in the pipe.

The major criteria which need to be considered when choosing the right stopper for your application are the following:

- 1 The internal diameter of the pipe to be temporarily sealed;
- 2 The condition of the pipe;
- 3 Whether the pipe is circular or possibly distorted;
- 4 The fluid in the pipe (gas, oil, chemical, milk, effluent);
- 5 The hold back pressure required.

FLOWSTOP

Eesi seel



The Eesi seel range of inflatable stoppers is designed for use where there is access to the full pipe bore. They give the user the following benefits:

- Very easy to achieve a good seal in pipes with large tolerances and in non-circular pipes
- All pipe sizes from 1.9-12.6" (48-320mm) can be sealed with just five Eesi seel stoppers
- Easy to inflate through the self-sealing car-type Schrader valve using a simple bicycle or foot pump
- Very easy to keep clean
- Robust and durable: will last a long time when properly cared-for
- Resistant to a large number of chemicals

We also supply a 4" (100mm) stopper with a $\frac{1}{2}$ " (12.7mm) id. tube through the centre of the bag.

FLOWSTOP

air bags



Flowstop air bags are designed to go through restricted openings measuring about $\frac{1}{4}$ of the nominal pipe diameter or less.

- Manufactured from a natural rubber bladder covered either in proofed canvas or nylon.
- Produced in cylindrical and spherical shapes.
- Standard size range from 1" (25mm) to 96" (2400mm).
- Sizes 3" and over can be made with a through tube with a 1" id. The reason for putting in a through tube is to allow a length of pipe to be pressure-tested or to introduce dyes or smoke bombs to identify leaks in pipes.

Flowstop pipeline stoppers are in use throughout the world. The more common applications are gas pipeline stop-offs, drain testing, pipe testing, pipeline maintenance, chemical factory pipework maintenance, milk processing plant maintenance, food processing plant maintenance, and as cores to form special shapes of concrete pipe.

INFLATABLE PIPELINE STOPPERS FROM EUROPE'S LEADING MANUFACTURER
FLOWSTOP RANGE

FLOWSTOP

gas bags

This range has been designed for use in a pipe containing gas under pressure. When inflated the bags centre themselves in the pipe and stop off the gas flow so repairs can be carried out downstream. This range covers the following groups:

1 For use with bag tube equipment and designed to British Gas Engineering Standards. This covers bags to Standard BGE/4, BGE/19 and BGE/20 specifications (the latter for use with Iris stop gear).

2 Similar bags can be attached to standpipes which have rubber bungs that slide down the pipe to seal the hole drilled in the pipe.

These are most commonly used with lighter-than-air gases since some gas will escape when the bag is inserted into the main through the hole drilled in the top of the pipe.

3 Our unique range of Sniffer bags. This range has a small central tube running from the outer end through the bag to a 'T' on top of the rigid pipe to which the bag is attached for introduction into the main. After inflating the bag, the pressure or samples of gas in the pipe beyond the bag can be taken.

A second bag can be fitted on the front of the first bag and the two bags can then be independently inflated from the 'T' piece at the top of the rigid pipe.

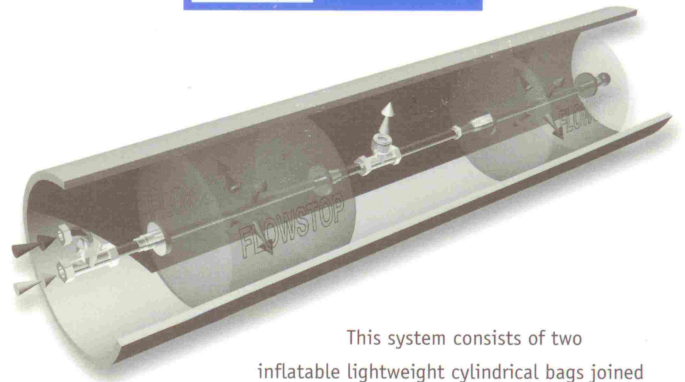
Two Sniffer bags can be used in tandem, with independent inflation control for each bag. Samples of pressure or gas can be taken in the pipe beyond the end of the outer bag through access at a cross on the top of the rigid pipe.

Flowstop's unique sealing system enables each bag to be unscrewed from the system so that different combinations can be assembled or replacements fitted. Competitors' products are made in one piece, so a different system is needed for each application and their whole system has to be discarded even when only a single bag needs replacing.

Your **FLOWSTOP** dealer is:

FLOWSTOP

argon welding



This system consists of two inflatable lightweight cylindrical bags joined together by a semi-rigid or rigid spinal tube. The spinal tube carries an inflation supply to both bags and also acts as an argon gas feed to the space between the bags. The objective is to provide an inert atmosphere between the bags to enable a high-quality weld to be carried out on stainless steel or other pipes where this type of atmosphere is recommended.

Specially-designed heat-resistant covers can be used with the Argon welding system, or with any of our other stoppers. This gives additional protection to the stoppers and is especially recommended for welding applications, when molten metal will sometimes drop onto the bags.

FLOWSTOP

special bags

We make many special bags to meet customers' specific requirements. One example is bags made to a mushroom shape which have been placed (using ROVs) into holes in North Sea riser pipes prior to concreting. Another example is bags which have been made for producing special shapes in concrete pipes. If you have a special requirement where an inflatable former would be useful, please contact us.

To supplement our own range we also act as agents in the UK for the Cherne range of stoppers, and would be pleased to send you a Cherne catalogue on request.

We supply hand bellows for pressurising pipes under test, and lightweight hand pumps for inflating bags fitted with Schrader valves.

Flowstop has separate data sheets which can be faxed or posted. These show pipe tolerances within which our products operate, safe working pressures, normal contact length, typical hold back pressures, product weights, chemical resistance tables and warranty information.

FLOWSTOP LIMITED

INFLATABLE PIPELINE STOPPERS

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