

In Partnership With

2012



**Flow Stopping
Services**
For Gas & Water Applications



Where Smart Solutions Flow



RADIUSPLUS



Flow Stopping Services

Working in partnership with Flow Stop Services, RadiusPLUS have developed a variety of cost-effective flow stopping and bypass technologies for gas and water pipelines to allow you to carry out planned or emergency work safely, while your pipeline is isolated, and without interruption of your gas or water supply. With 4 strategic locations throughout the country, RadiusPLUS and Flow Stop Services are able to offer flow stopping services wherever you are in the UK.

Our flow stopping systems are available for pipe sizes up to 36" (900mm) for metallic and polyethylene pipelines, and as the pressure that can be stopped is diameter dependent, we can advise on the best available flow stopping technique for your specific application.

Using safe systems of work, our teams of competent and fully equipped technicians can undertake all preparatory works, construct and commission a bypass for continuity of supply, install all the deployment points for the flow stop equipment as well as deploy the tools. The main is then cut out and pieced through, inserting tees or fit caps as necessary.

We take particular pride in the ability to work from a very small footprint to minimise your civil engineering works, which is a key benefit when working in congested spaces or areas needing traffic management.



If you need to make an emergency repair or effect a new connection to your water or gas pipeline, it is not always possible to carry out the work while the pipeline is under pressure. RadiusPLUS offer a choice of flow stopping techniques for polyethylene and metallic pipes up to 36" (900mm), to enable you to carry out the work required to your pipeline, safely, whilst maintaining continuity of supply.



Flowstop - Inflatable Stopper (Inflatable Bag)

Our bag stop system is primarily used on gas pipelines operating up to and including 75 millibar (gauge) pressure, for both metallic and polyethylene pipes up to 36" (900mm) in diameter.

For polyethylene pipes, our technicians use our state of the art electrofusion MiniMuss branch saddle technology, which is first fitted to your polyethylene pipe to provide access to the flow stop tools. A bypass is then constructed and commissioned before the flow stop system is deployed through the outlet of the saddle.

Polyethylene Pipe Systems <100 millibar

- Electrofusion saddles fitted to your pipeline
- Bypass constructed and commissioned
- Flow stop system deployed
- Completion plugs and caps fitted
- Multi-way flow stop capabilities

Metallic Pipe Systems, <100 millibar

- Temporary saddles fitted and drilled
- Bypass constructed and commissioned
- Flow stop system deployed
- Non-tap sealing plugs fitted
- Multi-way flow stop capabilities



Flowstop - IRIS supported

The IRIS flow stop technology offers a small footprint solution for medium pressure flow stopping applications for both gas and water metallic and PE pipes. Access points are drilled in the main to allow insertion of the flow stopping tools. A small expanding metallic fan (IRIS) opens within the pipe after deployment, increasing the support given to a primary inflatable bag stopper that is used in this technique.

A variety of systems is available for diameters up to and including 36" (900mm) nominal bore. The actual pressure which can be stopped is diameter dependent and we can advise you on the suitability of the technique for your specific application.

Flowstop - Folding Head Plugging

We have developed a complete folding head plugging flow stop system for metallic and polyethylene pipelines, which is unique to us. This technique is particularly suited for PE pipes used as a liner inside old metallic pipes.

The flow stopping tools make use of the larger access holes available through RadiusPLUS's wide outlet MiniMuss branch saddles that are welded onto the polyethylene pipe to allow deployment of the flow stop equipment. The new flow stopping tools work on the principle of a stopple, and allow low and medium pressure mains to be isolated - up to 2 bar pressure gauge for gas pipes, and up to 10 bar pressure for water mains. Our folding head plugging system represents one of the smallest footprint systems we have for effecting a flow stop operation, greatly simplifying your site preparation.

Our technology is constantly evolving and our current capability extends to 36" (900mm) nominal bore pipe size for metallic pipelines, and 400mm for polyethylene pipes. For more information on developments of this innovative technique, please contact us.



Flowstop - Squeeze-off

Specific to flow stopping gas and water polyethylene pipelines, squeeze-off is a technique that makes use of the elastic nature of polyethylene, allowing it to be compressed flat between two parallel bars, to close off and isolate the pipeline while connection works or repairs to the pipeline are carried out.

We understand how to apply squeeze off techniques, including the need to provide adequate separation distances, and, where needed, thrust restraints. We can advise on the suitability of the technique and the likely civil engineering works which will be required for its deployment.

Our squeeze-off services are available for polyethylene pipes up to and including 500mm outside diameter, and for all pressure regimes normally encountered with polyethylene pipes.

For further details on RadiusPLUS's flow stopping services or for advice on the most suitable technique for your application please contact us.

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RadiusPLUS - Where Smart Solutions Flow

RadiusPLUS is a wholly owned subsidiary of Radius Systems. To provide you with the confidence to use modern plastic pipe systems, our team of expert engineers and technicians provide services for the whole lifecycle of your asset, from initial design and construction, alterations and repairs to decommissioning, safely and effectively. We can take care of it all.

Fully qualified and accredited to the most stringent industry standards, operating in an ISO 9001 quality management system, we have worked in street works environments with major utilities, with estates containing private networks - including work with a need for security vetting - in the renewable energy and nuclear decommissioning sectors.

We put safety and quality first. Once you have told us what you need, our expert will work with you to help you find the right solution to maximise the success of your infrastructure.

We pride ourselves in finding solutions that fix the problems, so if you are planning a new pipeline infrastructure, or are faced with a challenge that require the knowledge of experienced field engineers, we are here to help you.

Contact us, or visit our website for more information

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