

**Air Valve  
Connections**



Where Smart Solutions Flow



**RADIUSPLUS**



## Air Valve Connection Service

Available in sizes up to 300mm (12"), our specialist air valve solutions for water mains have been developed to optimise the water flow through the pipeline system and allow air valves to be strategically located onto the pipe to avoid choking, therefore maximising the flow through the water pipeline system. Compact and quick to install, all our air valve connections are effected with minimal excavation and disruption, and can also be fitted whilst the pipeline is under pressure, avoiding the need for supply interruption.

Performed using RadiusPLUS's welded branch saddle systems approved to BS EN 12201, our air valve connections are inserted at the high points in the topography of the as-laid pipeline. The same connection solution can also be provided for the provision of wash-out/scour points on the pipeline, installed at the low points in the topography of the as-laid pipeline.

Our teams of competent and fully equipped installers carry out all preparatory works, installation of the saddle and air valve, together with welding and pressure testing and commissioning the new connection.

With our related services for electrofusion and butt fusion welding, we can also offer the option of laying away from

the main pipeline for example to field boundaries for the location of the access point, to satisfy land owner requirements.





**W**hen laying large diameter water mains, making sure that air valves are fitted in the correct high spots is essential. With our air valve installation service, we can fit the required air valves during installation of your pipeline, or if needed during commissioning of the pipeline whilst under-pressure, so there is no supply interruption, ensuring that your air valves are in the right location, every time.



## RadiusPLUS Air Valve Connections



- **Branch saddles for connection approved to EN12201**

- **10% of traditional excavation footprint**

Our compact branch saddle connections require minimum excavation compared to traditional installation methods

- **Retrospective fit**

The air valves can be fitted during commissioning of the pipeline to ensure that they are in the correct location

- **Over 90% installation cost savings**

One simple jointing operation, removing the need for numerous mechanical fittings from the system

- **Increased system integrity**

Fully welded system with fewer joints, therefore fewer leak paths in the system

- **Bespoke sizes**

The branch saddle used for the air valve connection can be made in any size to fit all pipe sizes, for example swaged® pipes

- **Comprehensive site reports**

Using smart technology from our new electrofusion control units, you can have the confidence that an installation has been carried out correctly thanks to our enhanced level of site data collection system. The data, uploaded onto our web platform is then checked to assess the joint integrity

## Product Range

Pipe ø	Flange Outlet Size				
	DN80	DN100	DN150	DN250	DN300
200	✓	✓	☑		
225	✓	✓	☑		
250	✓	✓	✓	☑	
280	✓	✓	✓	✓	
315	✓	✓	✓	✓	
355	✓	✓	✓	✓	☑
400	✓	✓	✓	✓	✓
450	✓	✓	✓	✓	✓
500	✓	✓	✓	✓	✓
560	✓	✓	✓	✓	✓
630	✓	✓	✓	✓	✓
710	✓	✓	✓	✓	✓
800	✓	✓	✓	✓	✓
900	✓	✓	✓	✓	✓
1000	✓	✓	✓	✓	✓
Bespoke > 1000mm		We can make any bespoke size to meet your pipe requirements			

☑ currently in development

# 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**

[www.radius-plus.co.uk](http://www.radius-plus.co.uk)



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