



RADIUS
Systems

CleanPipe - Factory sealed coils
Pipe system for potable water applications





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CleanPipe

Pipe system for drinking water distribution

Radius Systems' CleanPipe is a leading edge PE100 polyethylene pipe innovation, fitted with internal electrofusion seals designed to provide a tamper-proof, air and pressure-tight seal solution until the point of connection. The seals ensure that the pipe maintains its cleanliness from manufacture through to connection removing the need for pre-chlorination operations carried out before the pipe is installed.

CleanPipe can be installed using open-cut or trenchless technologies. The recessed electrofusion seals, inserted at both ends of the polyethylene pipe are fused in place during manufacture, to enable the use of conventional towing heads for no-dig installation techniques.

Features & benefits

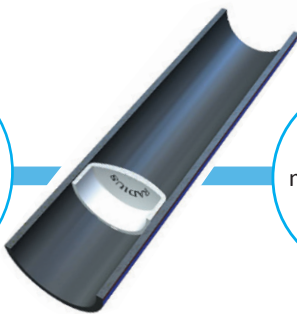
- **Factory welded internal electrofusion seals**
Ensures the pipe bore remains clean throughout storage, transportation, until the point of connection
- **Sealed until connection**
CleanPipe reduces the risk of contamination entering the water network
- **Sealed at both ends**
CleanPipe eliminates the need for pre-chlorination before installation
- **Pressure test resistant**
The installer can pressure test the pipe directly after installation without the need to fit end caps
- **Ideal for trenchless techniques**
Maximum pipe protection and ability to use conventional towing heads

Approvals

- ProFuse pipe: BS EN 12201-2
- SC100 pipe: BS EN 12201-2
- CleanPipe materials approved for use in drinking water supplies

Assured cleanliness

Electrofusion
end seals ensure a
contamination free
pipe...



...from
manufacture...



...through
storage...



...and
delivery...



...up to
connection



Shelf life

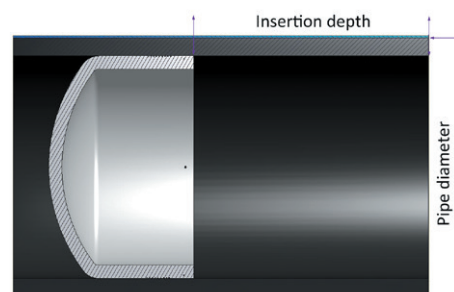
- CleanPipe's shelf life is 12 months from the date of manufacture
- The coils are individually coded with a month dependent coloured tape to indicate their shelf life. Always check the expiry date indicated on the CleanPipe label before installation
- If the expiry date passes, the CleanPipe seals can be removed and the pipe used as a standard ProFuse or SC100 pipe
- Dated stock encourages good stock rotation.

	RADIUS Systems Pioneers in PE Pipe Technologies	Factory Seal Expires in: JULY See Labels on Pipe Ends for Actual Expiry Date	CleanPipe
	RADIUS Systems Pioneers in PE Pipe Technologies	Factory Seal Expires in: AUGUST See Labels on Pipe Ends for Actual Expiry Date	CleanPipe
	RADIUS Systems Pioneers in PE Pipe Technologies	Factory Seal Expires in: SEPTEMBER See Labels on Pipe Ends for Actual Expiry Date	CleanPipe
	RADIUS Systems Pioneers in PE Pipe Technologies	Factory Seal Expires in: OCTOBER See Labels on Pipe Ends for Actual Expiry Date	CleanPipe
	RADIUS Systems Pioneers in PE Pipe Technologies	Factory Seal Expires in: NOVEMBER See Labels on Pipe Ends for Actual Expiry Date	CleanPipe
	RADIUS Systems Pioneers in PE Pipe Technologies	Factory Seal Expires in: DECEMBER See Labels on Pipe Ends for Actual Expiry Date	CleanPipe

Product range

CleanPipe is available either as ProFuse or SC100 in 100 m coils.

Pipe diameter	SDR	Maximum operating pressure	Minimum cap insertion depth
mm		bar	mm
90	17	10	105
125	17	10	115
180	17	10	150



Installation techniques

CleanPipe is compatible with the following installation techniques:

Open-cut

The CleanPipe factory seals only need to be removed at the point of connection and the pipe can be joined using Radius Systems' fittings.



Internal electrofusion seals are located a short distance from the pipe ends, allowing **conventional towing heads** to be used during installation

Trenchless technologies

Radius Systems' CleanPipe can be used in conjunction with the following trenchless techniques:

- Sliplining
- Directional drilling
- Mole ploughing
- Pipe bursting





Joining of CleanPipe

This sequence demonstrates the jointing of ProFuse CleanPipe



1. For trenchless installation:

Attach the towing head directly to the leading end of the pipe coil. This operation is undertaken without removing the CleanPipe seals, which are located internally, a short distance from the pipe ends



2. The pipe remains sealed throughout the whole installation procedure. Contamination from the installation process remains outside the factory seal



3. After the installation is complete, CleanPipe can be pressure tested without the need to fit end caps. The internal seals can now be removed ready for connection



4. Cut the pipe ends beyond the arrows on the label which identify the cutting position. This removes the seals, ready for the pipe to be joined using Radius Systems' fittings



5. Prepare the CleanPipe pipe ends ready for jointing. Use the PET tool to prepare the ProFuse peelable pipe



6. Place the electrofusion fitting onto the pipe ends and weld using Radius Systems' and water industry best practice. The pipe is ready to be cleansed and tested following water industry procedures.

For more information on our CleanPipe product range, please contact your regional sales manager or our customer services team on t: 44(0)1773 811112 or e: sales@radius-systems.com or visit our website www.radius-systems.com.

Radius Systems

Radius Systems are a market leader in the innovation and manufacture of plastic pipe systems for the utilities and construction industries. With extensive research and development at the heart of our products and systems, we take care of the entire pipe life cycle - from design and manufacture through to installation, repair and rehabilitation. We strive to improve industry practices, with good health and safety policies at the forefront of our philosophy of 'getting it right first time'. Our continuous customer inspired research and development, combined with successful customer partnerships represent our total dedication to the plastic piping industry.

○ Manufacturing facilities

With 3 production sites in the UK, we have complete control over quality and the ability to meet the expectations of our customers

○ Innovative approach

We are leaders in our field with a history of research and new product development. Practicality, durability and adaptability are all high on our agenda to meet our clients' needs

○ Flexible product and service provision

Our comprehensive range of services is designed to fit the variable demands of our clients' developments in pipes, fittings, training and support services

○ Reliability and safety

With over 40 years experience of design and manufacture, our clients know that they can count on us to meet not just their product and service needs, but also their delivery and safety requirements

○ Outstanding customer service

We have a dedicated Customer Services team to answer queries from our customers in the UK and overseas. Our service is not just about the delivery of products - contact our team if you have a product or installation enquiry or a post-delivery query



For more information please visit our website:
www.radius-systems.com or contact us:

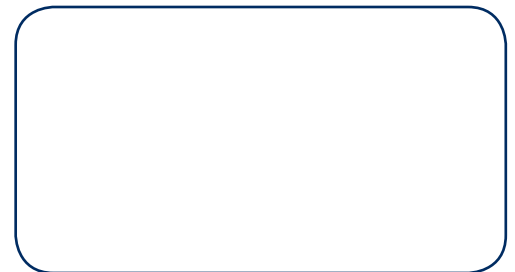
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