



Service pipe relining solutions

Conventional PE pipes have been routinely used by utility companies as a relining solution to address their ageing metallic mains. Service pipes, often installed under footpaths and gardens have been a challenge to reline, due to the complexity of their layout, the changes in the pipe direction from the main to the gas meter and the numerous fittings used in the service pipe.

Working closely with our utility customers, we have developed a range of advanced PE pipeline solutions for the rehabilitation of 1" and ¾" metallic services using pipe insertion techniques. Unique to Radius Systems, our ServiFlex® pipe and 17.5 mm system are innovative pipe relining solutions specifically engineered to restore the leak-tightness of the host pipe, whilst limiting the pipe pressure loss from the main to the property.

Installed using no-dig pipe insertion techniques for minimal disruption to customers, our ServiFlex® pipe and 17.5 mm system are quick and easy to install and combined with our PE mains pipe offering, deliver a smart pipe rehabilitation alternative to traditional pipeline replacement, for the whole of your gas pipeline infrastructure.

Approvals

- 17.5 mm system
 - 17.5 mm pipe GIS PL2-2 (KM 513530)
 - Service head adaptor GIS PL3 (KM 539621)



Features and Benefits

- **Cutting-edge offering**
Unique engineered metallic service pipe relining solutions to maintain the integrity of the service pipe
- **Optimum leak-tightness**
The host pipe provides structural stability, whilst the PE liner provides leak-tightness
- **Reduced number of joints in the system**
The PE pipes are flexible and can accommodate changes in direction of the original service pipe without the need for additional fittings. ServiFlex® easily passes through 1" short radius bends and our 17.5 mm system can negotiate ¾" long radius bends
- **Reduced disruption to customers**
The pipe lining solutions are installed using no-dig insertion techniques, reducing disruption to utility customers
- **Designer pipe solutions**
Specifically designed to be inserted into 1" and ¾" metallic service pipes and negotiate bends without the need for additional fittings



'Serviflex is specifically designed for relining 1" steel services'



'Serviflex can be easily inserted through short radius bends'



'17.5 mm system, the relining solution for ¾" service pipe'

ServiFlex® pipe

Unique to Radius Systems, ServiFlex® is a leading edge innovation consisting of a PE80 twin wall corrugated flexible pipe liner system specifically designed for the relining of 1" steel service pipes.

Quick and easy to install, ServiFlex® is a cost effective solution to service pipe lining, as excavations are kept to a minimum with little disruption to customers. Lightweight and flexible, ServiFlex® can be easily inserted through short radius bends during relining operations.

Outside diameter mm	MOP millibar	Product code 50 m coil	Pipe weight kg/50 m coil
20	75	FA0017	2.2



17.5 mm system

Specially manufactured by Radius Systems, the 17.5 mm system has been designed to offer a smart and easy solution for relining ¾" metallic service pipes with long radius bends. Our House Entry and Road Crossing Kits are ideal for relining service pipes under gardens, footpaths and roads, as they minimise the requirement for service relays and are supplied with all the appropriate electrofusion fittings and service head adaptors for inside the property. Flexible and easy to install, our 17.5 mm relining kits reduce excavation requirements and the need for meter relocation.

Nominal diameter mm	Description	SDR	MOP millibar	Product code 8 m pipe kit*	Pipe weight kg/m
17.5	House entry kit	9.7	75	GZ0036	0.1
17.5	Road crossing kit	9.7	75	GZ0030	0.1

* Pipe coil overall length: 8.4 m

- **House entry kit:** 8.4 m of 17.5 mm pipe coil with wire rope, one 17.5 mm x ¾" service head adaptor for inside the property, one 17.5 x 32 mm reducer for the garden connection
- **Road crossing kit:** 8.4 m of 17.5 mm pipe coil with wire rope, two 32 x 17.5 mm electrofusion reducers



Installation requirements

Radius Systems' ServiFlex and 17.5 mm system are installed using specific insertion techniques; specialist tooling is required to carry out the installation.

Training must be undertaken before carrying out the installation of ServiFlex® and 17.5 mm relining systems. Please contact Radius Systems for more information on t:+44 (0)1773 811112 or e: sales@radius-systems.com.

