

# SERVICE PIPE RELINING SOLUTIONS

## A no-dig pipe relining solutions for minimal disruption.

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 3/4" metallic services using pipe insertion techniques. Unique to Radius Systems, our 20 mm ServiFlex® and 17.5 mm systems are innovative pipe relining solutions specifically engineered to maintain the leak-tightness of the service and at the same time, limiting the pipe pressure loss from the main to the meter.

Installed using no-dig pipe insertion techniques for minimal disruption to customers, our ServiFlex® and 17.5 mm kits are quick and easy to install and combined with our PE mains pipe offering, deliver a smart pipe rehabilitation alternative to traditional pipeline replacement from main to meter.



### 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 3/4" 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 3/4" metallic service pipes and negotiate bends without the need for additional fittings.



### Approvals

- 17.5 mm system
  - 17.5 mm pipe GIS/PL2-2 (KM 513530)
  - Service head adaptor GIS/PL3 (KM 539621)
  - Electrofusion reducer GIS/PL2-4 (KM 538462)

# Product Range



## ServiFlex® relining system

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 using pipe insertion techniques, ServiFlex® is a cost effective solution compared to pipe replacement, as excavations are kept to a minimum size, with little disruption to customers. Lightweight and flexible, ServiFlex® can be easily pushed through short radius bends during relining operations.

Nominal diameter	MOP	Product code	Weight
mm	millibar	6m	kg/coil
20	75	FA0017	2.5

**Installation requirements:** Radius Systems' ServiFlex® pipe relining system is installed using a pipe pushing technique. Specialist tooling is required to carry out the installation.

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



## 17.5 mm relining 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 Kits are ideal for relining service pipes under gardens and footpaths, 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	Description	SDR	MOP	Coil length	Product code	Weight
mm			millibar	m	6m	kg/coil
17.5	House entry kit	9.7	75	8.4	GZ0037	0.1

- **House entry kit:** 8.4 m of 17.5 mm pipe coil with wire cable, one 17.5 mm x ¾" service head adaptor for inside the property, one 17.5 x 32 mm reducer for the garden connection.

**Installation requirements:** Radius Systems' 17.5 mm pipe relining system is installed using a pipe pushing technique. Specialist tooling is required to carry out the installation.

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