



# Radius Systems partner with CPV to launch cutting-edge District Heating pipe system

Two of the UK's leading manufacturers of specialist pipe systems - Radius Systems Ltd and CPV Ltd - have come together to launch a new, innovative pre-insulated polymer pipe system specifically designed for higher temperature and pressure district heating networks.

Capable of operating at peak temperatures up to 115°C and pressures as high as 16 bar, the FibreFlex™ range of pipe systems offers outstanding performance and corrosion protection. This innovative pipe design consists of a PEXa carrier pipe with an external aramid mesh reinforcement layer – a material used in demanding applications requiring a high tensile strength to material weight ratio – resulting in a composite structure pipe that not only enables the system to withstand higher temperatures and pressures than conventional PEX systems, but its reduced wall thickness and external diameter allow for increased insulation layer thickness. This has the benefit of improving thermal

performance and making the system more flexible than its PE-Xa-only counterparts.

Mark Hunter, product and technical support manager for Radius Systems, said: “We are delighted to work with CPV to bring to market this range of innovative district heating pipe systems manufactured by Radius-Kelit, our district heating pipe manufacturing company based in Austria. CPV are renowned and well established in this sector and their strength in the manufacture, design and installation of district heating systems provides an excellent partnering arrangement, which complements our technological expertise of plastic pipe systems. We look forward to working closely with CPV to promote this innovative solution and hope to bring great benefits to district heating system owners, installers and operators.”

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Mark Whettall, managing director of CPV Ltd, commented: “CPV has been manufacturing pre-insulated pipe systems in the UK since the 1970s and we have developed an evolving range of piping solutions to better serve district heating applications. We’ve been very impressed by this new system and it was a logical step for us to partner with Radius Systems in bringing it to the UK and Irish markets.”

“The company’s strength in innovation, global infrastructure and high-quality of manufacture is essential to successfully supporting the growing demands of the latest generation of heat networks that are currently being developed.”

The two system offering, FibreFlex™ and FibreFlex Pro™, consist of a reinforced service pipe encased inside a highly efficient bonded layer of polyurethane foam insulation, which in turn is protected by a tough corrugated outer casing of LDPE.

FibreFlex™ and FibreFlex Pro™ can be supplied in dimensions up to 160 mm OD - with a choice of single or twin service pipe configuration – and delivered to site in a coiled format, to minimise system installation times.

Both systems are offered with a complete range of joints, fittings, valves and accessories that ensure not only a speedy installation, but a long lifetime of efficient and reliable operation.

For more information on FibreFlex™ or FibreFlex Pro™, please contact Craig Walker, Radius Systems’ customer services manager on t: 01773 811112 or e: [sales@radius-systems.com](mailto:sales@radius-systems.com) or visit our website [www.radius-systems.com](http://www.radius-systems.com).