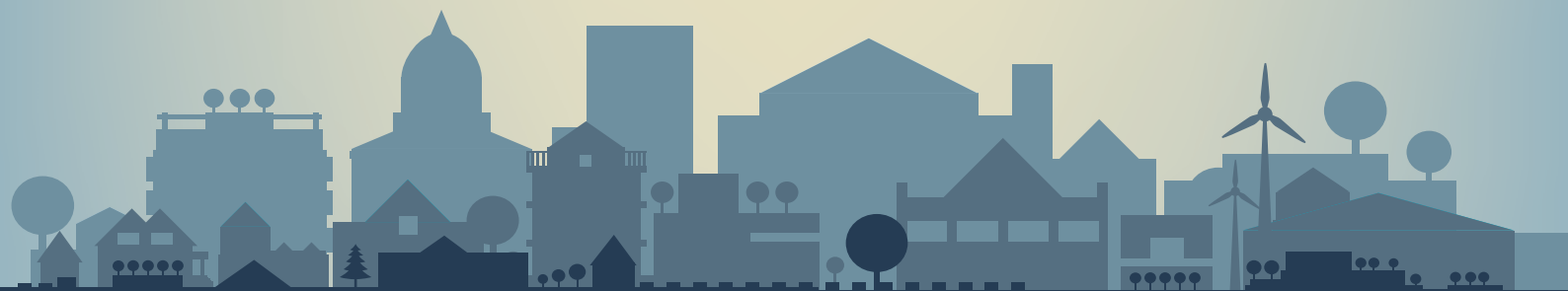


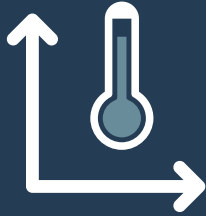
Innovation In Heat Networks

A UK-produced range of high-performance pre-insulated pipe systems and services that are helping meet the challenge of heat decarbonisation



Engineered Pipe Systems For Heat Network Success

From design and manufacture through to operational and maintenance support - CPV is your partner for reliable, future-ready heating and cooling networks.



Design & Stress Analysis

Ensure long term integrity of pipe infrastructure by using CPV to design pipe networks within the safe limits of thermal expansion and conform to the EN13941 standard. CPV is a licenced operator of cutting-edge siskMR specialist stress analysis software.



Electronic Leak Surveillance

Specify Hiline with advanced electronic leak surveillance technology. Detect and precisely locate leaks or water ingress during installation and commissioning. Ensure the network retains maximum performance during its operation.



Project Drawings

From concept design to as-installed drawings to ensure that pipe routes are recorded accurately at every stage of the project. Provide smooth coordination between engineering, installation and operation teams.



On Site Support

Our experienced engineers are available to provide guidance, supervision and troubleshooting directly on site. From short-term tool hire to emergency fabrication of pipe spools for surprise hidden obstructions, we work alongside your teams to keep projects on schedule and within specification.



Off-Site Fabrication

Reduce waste on site and save the time spent cutting and assembling by allowing CPV to fabricate pipe spools at our production facility. Benefit from quicker and safer install procedures with higher levels of pipe joint quality.



Training Courses

We offer CIBSE approved courses to inform and update on the technical considerations when designing a heat or cooling network. Our UK training centre provides not just theory but practical hands-on experience installing our Hiline pipe systems for installers and maintenance or operation teams.

Delivering Energy, Delivering Net Zero



From heating to cooling, our systems move more than energy - they move us all to a cleaner future. At CPV, we don't just make pipes - we help engineer the heat networks that will power a sustainable future.

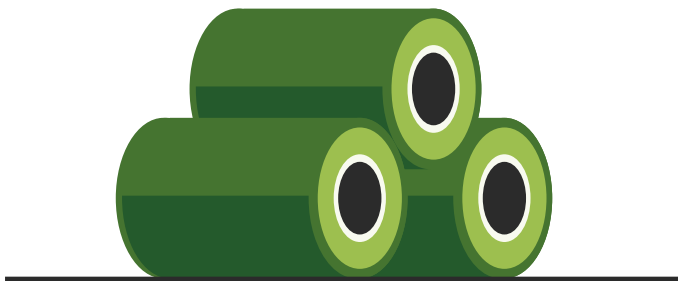


Heritage & Expertise

The UK's longest serving manufacturer of engineered, pre-insulated pipe systems for more than 70 years.

Sustainability in Action

Committed to reducing our impact on the environment. ISO 9001-approved production facilities operate in accordance with ISO 14001 Environmental Management System standards. EPD declarations that quantify the life cycle impact of our products.



Conduits of Change

Decades of R&D innovation have shaped our Hiline range. Our state-of-the-art production facility delivers high performance solutions in a range of materials including polymers, metals and hybrid systems.

Supporting Net Zero Goals

CPV supports the drive to decarbonise heat with products that deliver high thermal performance, are lightweight and retrofittable, safer to install, require less pumping energy and offer corrosion-free operation.



Hiline Steel

Hiline Steel comprises a traditional range of pre-insulated steel pipe systems that are perfect for district heating and cooling networks.

Hiline

Steel



A rigid, bonded pre-insulated steel pipe system in accordance with EN253. Suitable for district heating, cooling and special applications and temperatures up to 140°C continuous. Available in metric and imperial sizes – from 20mm to 1,200mm supplied in 6 and 12 metre lengths.

Service Pipes

Metric - Seamless Pipe: Certified seamless steel pipe manufactured in accordance with EN 10216-2 Grade P235 GH, EN 10216-1/A1 Grade P235 TR1 & P235 TR2, DIN 1629 Grade St 37.0

Metric - Seamed Pipe (Welded): Certified seamed (welded) steel pipe manufactured in accordance with EN 10217-2/A1 Grade P235 GH, EN 10217-5/A2 Grade P235 GH, EN 10217-1 Grade P235 TR1 or P235 TR2, DIN 1626 Grade St 37.0

Certified welded carbon steel pipe manufactured in accordance with EN 10217-1:EN 10255 Grade S195T Heavy gauge or Medium gauge (formerly BS1387) & EN 10217-1:API5L Grade B/X42 Schedule 20 or Schedule 40.

Efficient Insulation - in Series 1 to 3

A key component in the efficiency of the Hiline pipe systems is our choice of CFC-free polyurethane foam to provide excellent levels of insulation up to Series Three – in accordance with the demands of the EN 253 standard.

Gas Diffusion Barrier

Hiline Steel systems are available with a foil diffusion barrier layer between the casing and the PUR foam insulation. This improves the system's performance over its lifetime preventing the gas in PUR foam insulation diffusing through the outer casing and being replaced by air.

Complete System

Hiline Steel has a comprehensive range of pre-fabricated bends, tees, fittings and accessories that enable it to be adapted to meet all possible configurations. The HDPE outer casing can be joined using the proven Hiline range of wrap-around heat-shrink or electro-fusion couplings to ensure the very tightest of joints to protect against the ingress of ground water.

Specification	Hiline Steel
Maximum continuous operating temperature:	140°C
Maximum peak operating temperature:	152°C
Maximum continuous operating pressure:	25 bar
Operational service life:	50 years
Thermal conductivity:	Up to 0.0231 W/mK
Thermal Insulation (in Series 1 to 3):	PUR (CFC free)
Contact Technical Support for service life for specific operating parameters.	

Hiline Steel - Single

Nominal Bore	Outer Casing
(mm)	(mm)
DN20	90
DN25	110
DN32	125
DN40	125
DN50	140
DN65	160
DN80	200
DN100	225
DN125	250
DN150	315
DN200	355
DN250	450
DN300	500
DN350	560
DN400	630
DN450	630
DN500	710
DN600	900

Hiline Steel - Twin

2 x DN20	140
2 x DN25	160
2 x DN32	180
2 x DN40	180
2 x DN50	225
2 x DN65	250
2 x DN80	280
2 x DN100	355
2 x DN125	450
2 x DN150	500
2 x DN200	630
2 x DN250	800

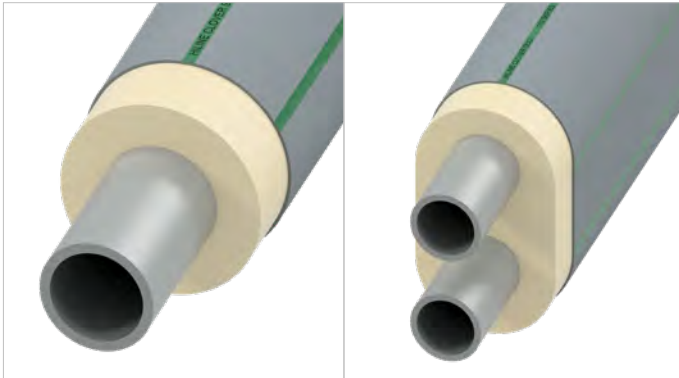
Full specifications and dimensional data available on enquiry.
Casing sizes based on S2 insulation to EN253. Other Series available.

Hiline Clover

CPV's next generation pre-insulated pipe system brings to market the most efficient solution to further enable heat networks to play their leading role in the drive to decarbonise heat.

Hiline

CLOVER



Designed and Manufactured in the UK

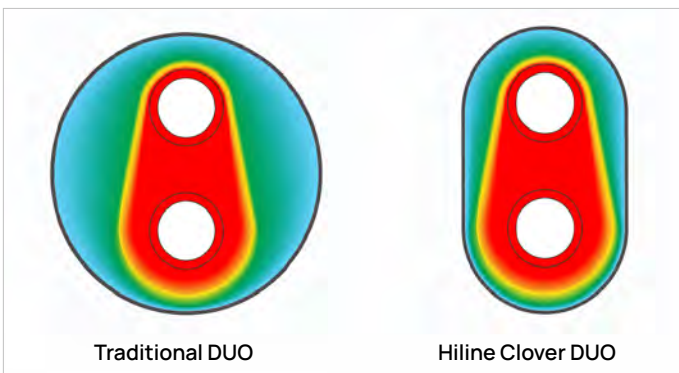
As a pioneer in the advancement of polymer piping systems, CPV has developed solutions that have served both past and current heat network generations, challenging convention and driving efficiencies. Built on this experience, Hiline Clover now offers the optimal solution to drive the efficiency of fourth and even fifth-generation ambient loop heat networks. Plus Hiline Clover holds an independently verified Environmental Product Declaration (EPD), confirming its full lifecycle environmental performance.

Comprehensive Range

Hiline Clover offers sizes from DN20 to DN250, with continuous operating temperatures up to 80°C and peaks up to 95°C. The system's performance capabilities and trouble-free 50-year service life expectancy are validated by compliance with international material performance standards. It is compatible with CPV's other ranges of pre-insulated composite pipe systems to provide both flexible pipes and large diameter pipes up to DN600.

Unique DUO

With both the flow and return pipes having a unique 'stadium' shaped single casing pipe, it offers maximum thermal efficiency whilst minimising piping insulation materials. This enables trench widths to be optimised and could lower the time and cost of installation.



Specification	Hiline Clover
Maximum continuous operating temperature:	+80°C
Maximum peak operating temperature:	95°C
Maximum continuous operating pressure:	10 bar
Operational service life:	50 years
Thermal conductivity:	0.027 W/mK
Thermal Insulation (in Series 1 to 3):	PUR (CFC free, water blown)
Contact Technical Support for service life for specific operating parameters.	

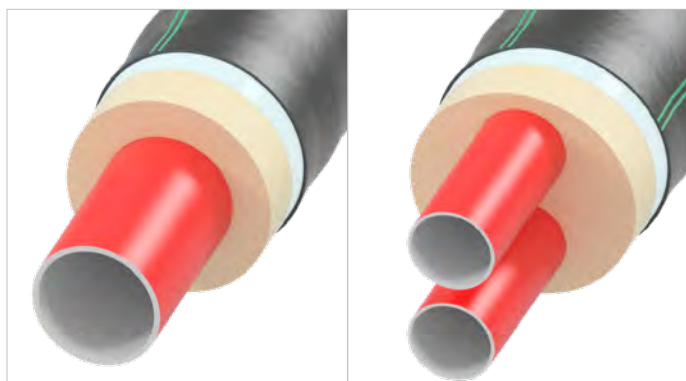
Hiline Clover - UNO		
Size	Nominal Bore	Series 2 Outer Casing
	(mm) *	(mm)
d32	DN25	110
d40	DN32	125
d50	DN40	125
d63	DN50	140
d75	DN65	160
d90	DN80	180
d110	DN100	225
d125	DN100	250
d160	DN125	280
d200	DN150	355
d250	DN200	450
d315	DN250	500
Hiline Clover - DUO		
2 x d32	2 x DN25	125 / 200
2 x d40	2 x DN32	125 / 200
2 x d50	2 x DN40	140 / 234
2 x d63	2 x DN50	140 / 234
2 x d75	2 x DN80	225 / 380
2 x d90	2 x DN80	225 / 380
2 x d110	2 x DN100	225 / 380
Sizing based on SDR9 pipe with SDR11 also available. Full specifications and dimensional data available on enquiry.		
Casing sizes based on S2 insulation to EN253. Other Series available.		

Hiline eFlex

A highly-efficient pre-insulated PE-Xa pipe system that's perfect for district heating and cooling applications.

Hiline

eFlex



PE-Xa Service Pipe

The cross-linked polyethylene (PE-Xa) service pipe offers exceptional performance at temperatures up to 95°C and pressures up to 6 bar, making it perfect for district heating. Available in single and twin service pipe configurations, an integral EVOH barrier prevents oxygen diffusion into the media.

Tough and Flexible Outer Casing

With its corrugated LDPE outer casing, Hiline e-Flex can be buried directly in the ground and its flexibility allows for on-site obstacles to be easily worked around.

High-Performance Insulation

A layer of CFC-free flexible polyurethane foam puts the insulation in a league of its own – with minimal heat loss – Lambda value of 0.021 W/mK (at 50°C). Unlike inferior pipe systems with an air gap, Hiline e-Flex's composite construction – with its service pipe and outer casing bonded together by the foam insulation – means that thermal expansion can be ignored. Series 2 increased thickness insulation is also available.

Quick Installation

Delivered to site coiled in continuous lengths of up to 770 metres, only needing narrow trenches to be dug and on-site joints kept to a minimum making installation a quick process.

Robust and Adaptable Joints

The PEX-LOK axial compression service pipe jointing system is a fit-and-forget solution that offers the very highest levels of joint tightness and reliability.

Shell Sleeves

Casing joints are similarly easy with shell sleeve kits that are supplied with all the necessary components to ensure quick and easy installation.

Specification	eFlex
Maximum continuous operating temperature:	80°C
Maximum peak operating temperature:	95°C
Maximum continuous operating pressure:	6 bar
Operational service life:	30 years
Thermal conductivity:	0.021 W/mK
Thermal Insulation (in Series 1 & 2):	PUR (CFC-free)
Contact Technical Support for service life for specific operating parameters.	

Hiline eFlex - UNO

Size	Nominal Bore	Series 1 / 2 Outer Casing	Max Coil Length
	(mm)	(mm)	(m)
d25	DN20	76 / 91	770 / 570
d32	DN25	76 / 91	770 / 570
d40	DN32	91 / 111	570 / 410
d50	DN40	111 / 126	410 / 300
d63	DN50	126 / 142	300 / 220
d75	DN65	142 / 162	220 / 150
d90	DN65/80	162 / 182	150 / 86
d110	DN80/100	162 / 182	150 / 86
d125	DN100	182 / 202	86 / 80

Hiline eFlex - DUO

2 x d25	2 x DN20	91 / 111	570 / 410
2 x d32	2 x DN25	111 / 126	410 / 300
2 x d40	2 x DN32	126 / 142	300 / 220
2 x d50	2 x DN40	162 / 182	150 / 86
2 x d63	2 x DN50	182 / 202	86 / 80
2 x d75	2 x DN65	202 / 225	80 / 75

Full specifications and dimensional data available on enquiry.

Service pipe: cross-linked polyethylene (PE-Xa)

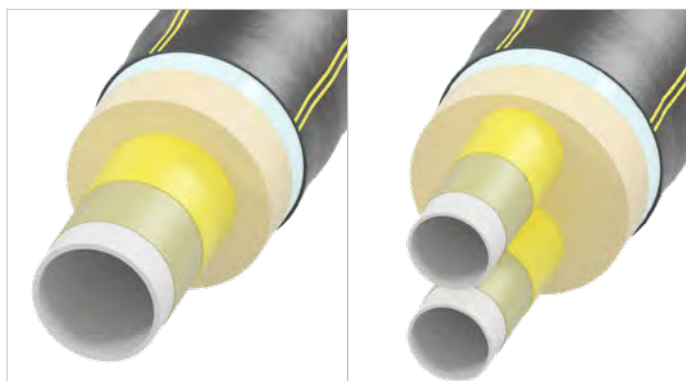
Insulation: PUR (CFC-free) - available in Series 1 and 2 insulation thicknesses

Outer casing: seamlessly extruded corrugated LDPE

Standards: Pipe System: EN 15632-1/2
Service Pipe: EN 12318-2, DIN 16892 & DIN 16893

Hiline FibreFlex

A highly-efficient reinforced pre-insulated pipe system that's perfect for district heating applications that can out perform standard PE-Xa pipe at higher pressures.



Hiline FibreFlex is a pre-insulated, flexible pipe system, with a service pipe made of fibre-reinforced, cross-linked polyethylene and PUR thermal insulation.

Thanks to the aramid fibre mesh, the pipe wall thicknesses are reduced and, due to the resulting smaller outside diameter, the insulation has been improved. Compared to conventional flexible pipe systems, media can be transported at a pressure of 10 bar at a continuous operating temperature of + 80 °C.

Efficient Insulation

FibreFlex pipes are insulated in one continuous manufacturing process, using a CFC-free bonded polyurethane foam with an outstanding thermal conductivity value of $\lambda \leq 0.021 \text{ W/mK}$ at 50°C.

As the insulation layer has a lower thermal conductivity than conventional pre-insulated steel pipes ($\lambda = 0.07 \text{ W/mK}$), in diameters up to 80mm, FibreFlex system's heat loss is lower than insulation series S3 pipes and in larger diameters, heat loss is lower than series S2 pipes.

When compared to conventional, bonded pre-insulated PE-Xa pipes, the heat loss can be up to 17% lower for the FibreFlex systems and even better when compared to non-bonded pipes.

On-Site Flexibility

The service pipe's reduced wall thickness makes the system more flexible to install, significantly increasing its range of applications in district heating systems.

Secure Joining System

FibreFlex system is quick and easy to join using specially designed compression fittings, incorporating a unique polymer sleeve, which is inserted between the fitting's outer sleeve and the service pipe. A steel insert is then easily fitted inside the pipe, without the need for the pipe end to be expanded. This provides a robust connection with maximum joint integrity.

Specification	FibreFlex
Maximum continuous operating temperature:	80°C
Maximum peak operating temperature:	95°C
Maximum continuous operating pressure:	10 bar
Operational service life:	30 years
Thermal conductivity:	0.021 W/mK
Thermal Insulation (in Series 1 & 2):	PUR (CFC-free)
Contact Technical Support for service life for specific operating parameters	

Hiline FibreFlex - UNO

Size	Nominal Bore	Series 1 / 2 Outer Casing	Max Coil Length
	(mm)	(mm)	(m)
d25	DN20	76 / 91	570
d32	DN25	76 / 91	570
d40	DN32	91 / 111	570 / 410
d50	DN40	111 / 126	410 / 300
d63	DN50	126 / 142	300 / 220
d75	DN50/65	142 / 162	220 / 150
d90	DN65/80	162 / 182	150 / 86
d110	DN80/100	162 / 182	150 / 86
d125	DN100	182 / 202	86 / 80
d140	DN100/150	202 / 225	80 / 75
d160	DN100/150	225	75

Hiline FibreFlex - DUO

2 x d25	2 x DN20	91 / 111	570 / 410
2 x d32	2 x DN25	111 / 126	410 / 300
2 x d40	2 x DN32	126 / 142	300 / 220
2 x d50	2 x DN40	162 / 182	150 / 86
2 x d63	2 x DN50	182 / 202	86 / 80
2 x d75	2 x DN50/65	202 / 225	80 / 75

Full specifications and dimensional data available on enquiry. Some Series 3 options available upon request.

Approvals

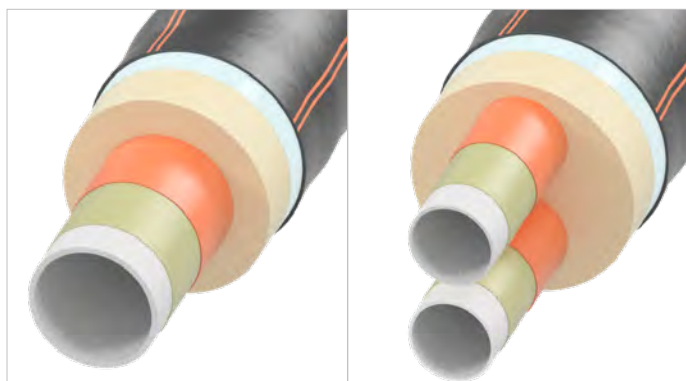
The FibreFlex pipe system is certified to OFI CERT ZG 200-2 Class Technical Specification, in line with EN 15632-2.

Hiline FibreFlex Pro

A highly-efficient reinforced pre-insulated pipe system that's perfect for district heating applications requiring higher temperatures and pressures than standard PE-Xa and FibreFlex pipes.

Hiline

FibreFlex Pro



Hiline FibreFlex Pro is a pre-insulated, flexible pipe system with fibre-reinforced service pipe for use up to 115°C and 10 bar.

Thanks to the high-temperature aramid fibre mesh, the FibreFlex Pro pipe system can be used up to a maximum operating temperature of 115 °C and a pressure of up to 10 bar.

The FibreFlex Pro pipe system thus combines the advantages of a flexible pipe system with the operating properties of traditional steel pipe systems and is therefore an innovative, cost-effective alternative.

Efficient Insulation

FibreFlex Pro pipes are insulated in one continuous manufacturing process, using a CFC-free bonded polyurethane foam with an outstanding thermal conductivity value of $\lambda \leq 0.021 \text{ W/mK}$ at 50°C.

As the insulation layer has a lower thermal conductivity than conventional pre-insulated steel pipes ($\lambda = 0.07 \text{ W/mK}$), in diameters up to 80mm, FibreFlex system's heat loss is lower than insulation series S3 pipes and in larger diameters, heat loss is lower than series S2 pipes.

When compared to conventional, bonded pre-insulated PE-Xa pipes, the heat loss can be up to 17% lower for the FibreFlex systems and even better when compared to non-bonded pipes.

On-Site Flexibility

The service pipe's reduced wall thickness makes the system more flexible to install, significantly increasing its range of applications in district heating systems.

Secure Joining System

FibreFlex Pro system is quick and easy to join using specially designed compression fittings, incorporating a unique polymer sleeve, which is inserted between the fitting's outer sleeve and the service pipe.

Specification	FibreFlex Pro
Maximum continuous operating temperature:	95°C
Maximum peak operating temperature:	115°C
Maximum continuous operating pressure:	10 bar
Operational service life:	30 years
Thermal conductivity:	0.021 W/mK
Thermal Insulation (in Series 1 & 2):	PUR (CFC-free)
Contact Technical Support for service life for specific operating parameters. 16 bar version available on request.	

Hiline FibreFlex Pro - UNO

Size	Nominal Bore	Series 1 / 2 Outer Casing	Max Coil Length
	(mm)	(mm)	(m)
d32	DN25	76 / 91	570
d40	DN32	91 / 111	570 / 410
d50	DN40	111 / 126	410 / 300
d63	DN50	126 / 142	300 / 220
d75	DN50/65	142 / 162	220 / 150
d90	DN65/80	162 / 182	150 / 86
d110	DN80/100	182 / 202	86 / 80
d125	DN100	182 / 202	86 / 80
d140	DN100/150	202 / 225	80 / 75
d160	DN100/150	225	75

Hiline FibreFlex Pro - DUO

2 x d32	2 x DN25	111 / 126	410 / 300
2 x d40	2 x DN32	126 / 142	300 / 220
2 x d50	2 x DN40	162 / 182	150 / 86
2 x d63	2 x DN50	182 / 202	86 / 80
2 x d75	2 x DN50/65	202 / 225	80 / 75

Full specifications and dimensional data available on enquiry.

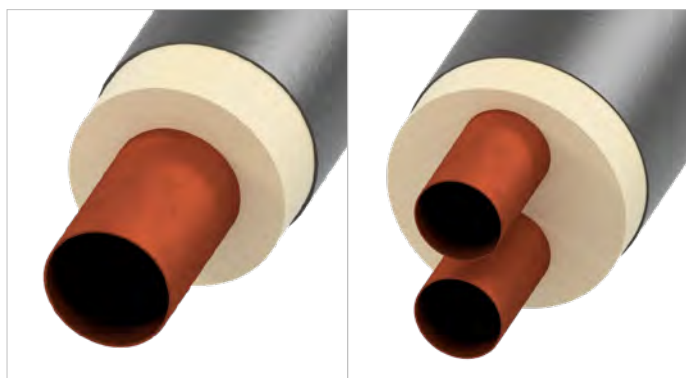
A steel insert is then easily fitted inside the pipe, without the need for the pipe end to be expanded. This provides a robust connection with maximum joint integrity.

Approvals

The FibreFlex pipe system is certified to OFI CERT ZG 200-2 Class Technical Specification, in line with EN 15632-2.

Hiline Copper

A pre-insulated pipe system for district heating, cooling and potable water applications.



Manufactured in accordance with BS EN 253, this rigid, bonded pre-insulated copper pipe system is suitable for district heating, cooling and potable water applications – efficiently operating at temperatures up to 110°C continuous. Available in dimensions ranging from 15mm to 159mm OD and supplied in 6 metre lengths.

Service Pipes

Copper pipe in accordance with EN 1057 - Cu-DHP, R250 and R290. Options available for:

BS EN 1057 Table Y - For underground works and heavy duty requirements including hot and cold water supply, gas reticulation, sanitary plumbing, heating and general engineering.

BS EN 1057 Table X For above ground applications including drinking water, hot and cold water systems, sanitation, central heating, and other general purpose applications.

Efficient Insulation

A key component in the efficiency of the Hiline pipe systems is our choice of CFC-free polyurethane foam to provide excellent levels of insulation – in accordance with the demands of the EN 253 standard.

Robust and Adaptable Joints

The Hiline Copper service pipe is joined by compression fittings. The HDPE outer casing can be joined using the proven Hiline range of wrap-around heat-shrink or electro-fusion couplings to ensure the very tightest of joints to protect against the ingress of ground water.

Optional Protecta Barrier Casing

Hiline Copper is available with the option of a barrier casing to provide protection against ingress of contaminants from the surrounding ground and environment in brownfield sites. This system utilises GPS Protecta-Line, a five-layer pipe

Specification	Hiline Copper
Maximum continuous operating temperature:	110°C
Maximum peak operating temperature:	140°C
Maximum continuous operating pressure:	10 bar
Operational service life:	50 years
Thermal conductivity:	0.024 W/mK
Thermal Insulation (in Series 1 to 3):	PUR (CFC free, water blown)
Contact CPV's technical support for design service life for specific operating parameters.	

Hiline Copper - Single

Nominal Bore	Outer casing
(mm)	(mm)
DN15	90
DN20	110
DN25	110
DN32	125
DN40	125
DN50	140
DN65	140
DN65/80	160
DN100	225
DN150	280

Hiline Copper - Twin

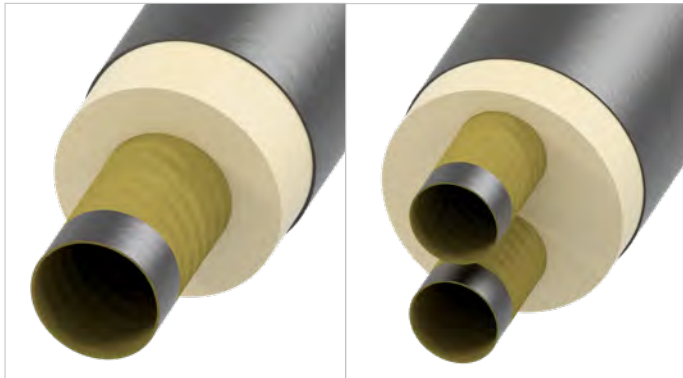
2 x DN15	125
2 x DN20	140
2 x DN25	160
2 x DN32	180
2 x DN40	180
2 x DN50	225
2 x DN65	225
2 x DN65/80	250
2 x DN100	355

Full specifications and dimensional data available on enquiry. Casing sizes based on S2 insulation to EN253. Other Series available.

comprising an internal standard PE host pipe; an aluminium barrier layer to stop the ingress of contaminants; an outer polyethylene protection layer; and two adhesive tie-layers.

Hiline GRE

A rigid, pre-insulated glass-reinforced epoxy (GRE) pipe system capable of operating at temperatures and pressures previously only achievable with steel systems, it offers outstanding thermal performance coupled with exceptional levels of reliability.



Glass-Reinforced Epoxy (GRE) Service Pipe

A composite pipe manufactured from helical-wound glass-fibre reinforced epoxy material that is designed for use in heating and cooling networks. Offering a operational service life of 50 years when operating at 95°C and between 10-16 bar. Details of service life at other temperature and pressure combinations can be supplied on request.

Tough Outer Casing

Manufactured in HDPE to the requirements of the EN253 standards, the tough and resilient outer casing enables the pipe to be buried directly in the ground.

High-Performance Insulation

A layer of CFC-free rigid polyurethane foam provides outstanding insulation properties, with values of 0.027 W/mK and with the insulation thickness according to the Series 1 requirements of EN 253. With the service pipe and outer casing being bonded together by the foam insulation, the system far out-performs other systems with an air gap. With this increased efficiency, comes lower heat loss and therefore a saving in both operational costs and carbon emissions.

Complete System

Hiline GRE has a comprehensive range of pre-fabricated bends, tees, fittings and accessories that enable it to be adapted to meet all possible configurations – including transitions to other types of pre-insulated pipe systems – such as Hiline Steel or Hiline Flex. Hiline GRE can be offered as off-site pre-fabricated fittings and spool assemblies to meet a client's bespoke requirements – significantly reducing installation time and cost.

Trace Heating and Leak Detection Options

Hiline GRE is available with the option of integrated trace heating cables to protect the media temperate and leak detection systems that warn of moisture ingress into the insulation.

Specification	Hiline GRE
Maximum continuous operating temperature:	95°C
Maximum peak operating temperature:	120°C
Maximum continuous operating pressure:	16 bar
Operational service life:	50 years
Thermal conductivity:	0.027 W/mK
Thermal Insulation (in Series 1 to 3):	PUR (CFC free, water blown)
Contact Technical Support for service life for specific operating parameters.	

Hiline GRE - UNO		
Size	Nominal Bore	Outer Casing
	(mm)	(mm)
d45	DN40	125
d55	DN50	140
d86	DN80	200
d106	DN100	225
d156	DN150	315
d208	DN200	355
d258	DN250	450
d309	DN300	500
d412	DN400	630
d463	DN450	630
d514	DN500	710
d617	DN600	900
Hiline GRE - DUO		
2 x d45	2 x DN40	180
2 x d55	2 x DN50	225
2 x d86	2 x DN80	280
2 x d106	2 x DN100	355
2 x d156	2 x DN150	500
2 x d208	2 x DN200	630
Full specifications and dimensional data available on enquiry. Casing sizes based on S2 insulation to EN253. Other Series available.		

Product Selector

	Hiline Steel	Hiline CLOVER	Hiline eFlex	Hiline FibreFlex	Hiline FibreFlex Pro	Hiline Copper	Hiline GRE
Size Range (mm)	UNO DN20 to DN600 DUO DN20 to DN250	UNO DN20 to DN250 DUO DN20 to DN100	UNO DN20 to DN100 DUO DN20 to DN65	UNO DN20 to DN150 DUO DN20 to DN65	UNO DN20 to DN150 DUO DN20 to DN65	UNO DN15 to DN150 DUO DN15 to DN100	UNO DN40 to DN600 DUO DN40 to DN200
System Standards	EN 253, EN 448, EN 488, EN489, EN 13941 and EN14419	(*) EN 253 EN 15874 EN 15494	EN 15632	Technical Specification OFI CERT ZG 200-2 Class A	Technical Specification OFI CERT ZG 200-2 Class A	(*)EN 253	(*)EN 253
Service Pipe Material & Grade	STEEL St 37.0 Seamless R-35, P235GH Welded P235 GH, P235 TR1/2	PP-RCT (SDR 9 & 11)	PE-Xa O2 diffusion barrier	PE-Xa & Aramid O2 diffusion barrier	PE-Xa & Aramid O2 diffusion barrier	COPPER Cu-DHP, R250 and R290	GRE ASTM D2996 RTRP 11FX1
Service Pipe Standards	EN 10216-2 Seamless EN 10217-2 Welded	DIN 8077 DIN 8078	EN 12318-2 DIN 16892 DIN 16893	N/A Bespoke Composite Construction	N/A Bespoke Composite Construction	EN 1057	GRE ASTM D2996 RTRP 11FX1
Casing Pipe Material	HDPE + option for Gas Diffusion Barrier. Metallic spiral casing available	PE 100	Corrugated LDPE	Corrugated LDPE	Corrugated LDPE	HDPE & MDPE Barrier	HDPE
Max Operating Pressure (bar)	25	10	6	10	10 (16 optional)	10	16
Max Cont Operating Temp (°C)	140	80	80	80	95	110	95
Max Peak Operating Temp (°C)	152	95	95	95	115	140	120
Insulation Material	PUR CFC-free	PUR CFC-free Water Blown	PUR CFC-free	PUR CFC-free	PUR CFC-free	PUR CFC-free Water Blown	PUR CFC-free Water Blown
Insulation Series Options	Series 1, 2 and 3	Series 1, 2 and 3	Series 1 and 2	Series 1 and 2	Series 1 and 2	Series 1, 2 and 3	Series 1, 2 and 3
Insulation Value (W/mK)	Up to 0.0231	0.027	0.021	0.021	0.027	0.024	0.021
Delivered Lengths	6m & 12m	6m & 12m	Up to 770m (coil)	Up to 570m (coil)	Up to 570m (coil)	6m	9m & 11.9m
Electronic Surveillance (detect/locate)	✓	✓	✓	✓	✓	✓	✓

(*)Generally manufactured in accordance with EN 253 and/or 15632-1/2 as no current standards exist for pre-insulated service pipes of these material types.

About CPV

CPV Ltd is a UK specialist manufacturer in the design, manufacture and integration of engineered pipe systems for industrial and building services applications.

Founded in 1949, the company has established a world-class reputation for an innovative range of pipe systems and off-site fabrication services.

From its UK based state-of-the-art production facility, CPV globally delivers high-performance solutions in a range of materials - including polymers, metals and hybrid systems - supported by a full range of in-house services.

CPV pipe systems are trusted in building and infrastructure projects across the UK and Internationally.

What We Do

- Pre-insulated pipe systems
- Mission-critical infrastructure systems
- Chemical and hazardous drainage systems
- Pressure pipe systems
- Valve and controls chambers
- Tanks and vessels
- Custom extrusions and fabrications



Find Out More
www.cpv.co.uk/hiline

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