



Core values, quality products



Product Range Brochure

Second Edition



Exclusively Distributed By



CORE is exclusively
distributed by



Contact Details
& Opening Hours

**Branches across
England, Scotland & Wales**

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OUR COMMITMENT



LARGE STOCKS



COMPETITIVE PRICING



QUALITY & TRACEABILITY

Disclaimer: The information within this brochure is believed to be correct at the time of publication; however, the literature is for guidance only. For complete accuracy, always check the product with a CORE representative. Missing information was either not available or disclosed. Confirm with the CORE technical team for complete and accurate information, as it is your responsibility to ensure that any product meets the necessary requirements. Any reliance placed upon this information will be totally at the user's risk.

Built on more than 125 years of experience and knowledge, CORE was founded with installers at its heart. Delivering a truly competitive range with quality and traceability built into every product. Partnered with a wholesaler committed to **STAFF – STOCK – SERVICE**, customers can expect excellent local stock availability, superior staff support, along with a fast and reliable product fulfilment service.



Since launching, the brand has quickly built a strong reputation within the industry, earning the confidence of all stakeholders, ranging from consultants and specifiers to installers. Now recognised as a trusted choice for HVAC projects, CORE’s installer-focused approach continues to yield results with the product range continuing to grow.

Award Recognition

Landmark Project Case Studies

Industry Leading Technical Transparency

Client Testimonial Success Stories

ESG & Sustainability

MISSION STATEMENT

Providing a range of HVAC products that represent exceptional quality and true value, supported by the SBS service levels maintained since 1897.



VISION STATEMENT

Ultimately, the **CORE** range aspires to be at the forefront of every HVAC installation project within the UK.

OUR BRAND

Timeline

July 22

CORE logo design signed off, and first version of the Brand guidelines is published.

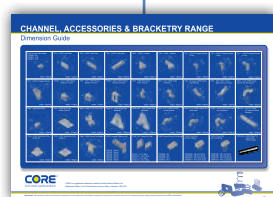


October 22

First products coded on the Smith Brothers ERP system ready for both purchasing & selling.

November 22

First sales aid document for SBS staff and customers land.



December 22

CORE receives its official trademark registration certificate.



May 23

CORE is launched to the public. Website and social media channel go live, with all relevant products updated on sbsonline.net with supporting technical documents.



May 23

Billboards & magazine editorials announce CORE to the world of HVAC.



2022

2023

May 24

We hit the front page of the H&V News celebrating its 1 year anniversary.



May 24

The first CORE Product Range brochure is published covering the full range.



June 24

New Technical Documents page is made available, giving staff and customers access to CORE technical documents 24/7.



November 24

CORE enters the Side Stream market with a unique mesh basket, multi directional pipework design.



May 25

Smith Brothers opens a new 75,000 sq ft distribution centre, improving CORE stock levels and availability.



June 25

The first CAD style installation video is created, providing a new level of technical information to staff and customers.



2024

2025

OUR BRAND

Timeline

June 23

Product demo cases are distributed across Smith Brothers, and the first product brochure is released.



June 23

CORE exhibits for the first time at the Installer Show NEC.

July 23

Adverts populate multiple service stations across the UK promoting the range of HVAC products.



January 24

First customer testimonial uploaded to website.



March 24

First case study signed off for public use. Project completed at Birmingham City Football Club.



2024

August 25

Retrofit project at the University of Essex, including the CORE Side Stream Filter, is shortlisted for several awards.



December 25

Stock arrives of the biggest range 'to date', copper press-fit, ready for introduction to the UK market in 2026.



May 26

Version 2 of the Product Range Brochure is published, including the Press-Fit System and Side Stream range extension.

June 26

CORE exhibits at the Installer Show NEC for a 4th year running alongside Distribution Partner, Smith Brothers.



July 26

Website restructure to make it easier to navigate for a more enhanced customer experience.

2026

OUR BRAND

Positioning

CORE is a high-quality, cost-effective alternative product range positioned in a unique space to offer Smith Brothers customers an actual USP, meeting their requirements in multiple product areas.



Customers

CORE offers customers a competitively priced, trusted alternative to other branded products across various HVAC categories. With Smith Brothers' ethos of Service and Value (since 1897) applied to every business area, including **CORE**, customers can rely on its quality, regardless of application.

Staff

Whether customer contact occurs at the trade counter, with internal sales or through external sales managers, all staff understand the preferred product choice for our customers. With dedicated staff members employed to ensure product quality with thorough auditing and monitoring systems, SBS staff can trust **CORE** products will service their customers with the utmost confidence.

Suppliers

The manufacturers selected within the **CORE** range commit to Smith Brothers that they have trust in their products and are invested in growing market share, while continuing to develop their product at every opportunity. Through constant 360-degree feedback and appraisal, product quality and relationships will strengthen over time.

Environmental, Social and Governance

CORE's ESG strategy is embedded in decision-making across the brand and is regularly reviewed to support continuous improvement. By aligning responsible product stewardship, people-focused practices and strong oversight, CORE aims to act responsibly within the HVAC sector with the support of customers, colleagues and supply-chain partners.

Where wider operational systems, accreditations and processes are delivered through our supply partner Smith Brothers, CORE reflects those standards within its own brand, product and supplier approach, ensuring expectations remain clear, practical and consistently applied.

Environmental

CORE prioritises lower-impact ways of working, with a focus on packaging, transport and day-to-day operations that support reduced environmental impact across the brand.

This includes using sustainable and recyclable packaging materials where available, helping reduce waste without compromising safe storage, product protection, or transport performance.

Through the wider business infrastructure, environmental action is supported by ISO 14001 accredited systems, FORS Gold-backed transport standards and initiatives such as fleet transition, EV charging, paperless working and waste reduction.

Printed literature is specified on carbon-balanced paper stock accredited by the World Land Trust and sourced from responsible FSC-endorsed supply chains.



Social

CORE recognises that a responsible brand is shaped not only by products, but also by the people, communities and partnerships that support it.

Continuously investing in employee wellbeing, smarter ways of working and operational improvements that reduce friction for customers and colleagues alike. Examples include Electronic Data Interchange, paper reduction, more efficient stock handling and a focus on future-ready product categories and packaging.

From a CORE brand perspective, this social pillar is reflected in practical decision-making around product accessibility, responsible communication, dependable service and partnerships that create long-term value for installers, merchants and end users.

Sustainability therefore remains connected to three core areas: product, packaging and people.

Governance

CORE expects responsible governance throughout its supply chain and does not tolerate slavery or human trafficking in any part of the business or its sourcing activity.

These commitments are supported through transparent policies and robust reporting procedures, helping ensure standards are embedded from recruitment and onboarding through to supplier communication and on-site factory visits where required.

Quality assurance also remains central to governance. Through the wider business framework referenced in the ESG material, auditing and process control are supported by ISO 9001 accredited systems so the manufacturing chain is both fit for purpose and aligned to HVAC market expectations.



Environmental

Packaging, waste, transport and lower-impact operations.

Social

People, service, community and customer-focused improvements.

Governance

Policy, quality assurance, due diligence and oversight improvements.

Examples

Copper Fittings

Both Smith Brothers and CORE's manufacturing partner for copper fittings collaborate with the CuSP (Copper Sustainability Partnership), which aims to educate and inform the industry about the benefits of copper. The UK-manufactured product is also 100% recyclable.



Valves: PRV & TMV

Manufactured in an environment where 100% of packaging waste is recycled, reducing CO2 emissions and improving warehouse efficiency. Over 70% of product packaging from the UK distribution arm dispatched to Smith Brothers is made from recycled, or recyclable materials, while the process conforms to ISO 14001 standards.



Expansion Vessels

Manufactured in 'Outstanding' BREEAM conditions with 0 kWh/m² expected annual consumption of fossil fuels during production. The factory benefits from 12 car charging stations, LED light motion sensor lighting, recycled heating, PV panels and energy storage facilities.



OUR BRAND

Online

The **CORE** website is the best and only place to get all the latest information, from technical bulletins to new product launches, from case studies to testimonials.



Product Range Information

Keep up-to-date on new product launches and range enhancements.



Technical Document Library

All the relevant supporting documents are housed in an easy to navigate webpage.



Have a question or need support?

Use the website form to contact us.



For stock, pricing and technical information for each product, our distribution partner houses all this information online at www.sbsonline.net. There are a number of ways to find the information explained below:

Search Bar

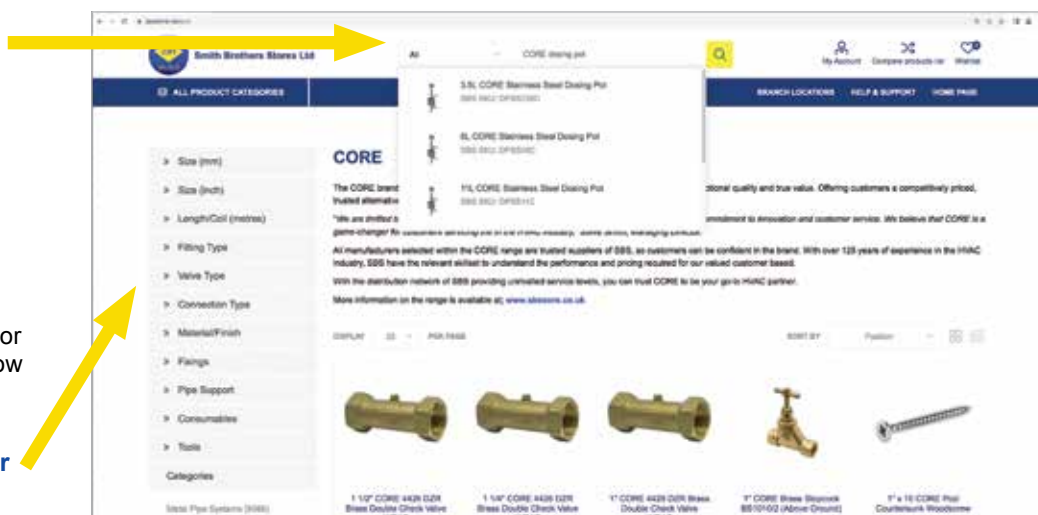
Type the product code or product size into the search bar and click into the relevant product.

Advanced Search

This feature allows users to search generic terms but only CORE as a manufacturer, and/or a certain category to help narrow down search further.

View the full range and filter www.sbsonline.net/CORE

Visit the URL to view every single product within the range; once on this page, customers can use the left hand side filters to locate their desired product.

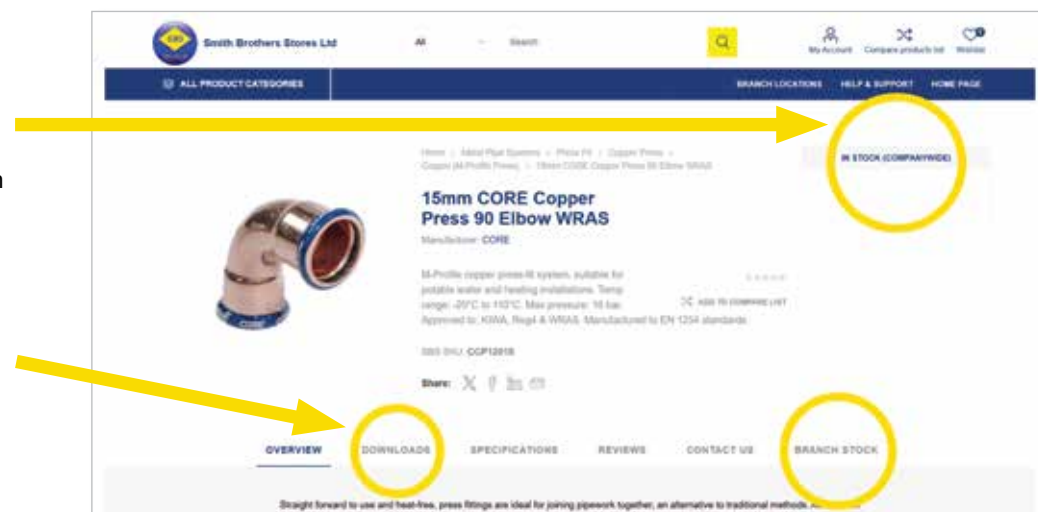


See stocking information

Once the user has located and clicked within the relevant product, the next screen gives both companywide (top right) and individual stocking location information (bottom right).

See technical documents

Within the downloads tab, customers can view, print and download technical product information like data sheets.



JOIN THE FAMILY! OPEN A CREDIT ACCOUNT WITH SMITH BROTHERS TODAY



- Order in store, by phone, email or online
- Personal dedicated SBS account manager
- Your own credit limit
- Tailored pricing structure
- 24/7 account management via www.sbsonline.net

SCAN ME



Complete a credit account
application form today





SBS make no secret of the promises made to their customers when talking to the building services industry. By being transparent, it not only guarantees stakeholder backing, it also notifies the staff of the level of performance we expect.

The promises break down into 3 areas:

STAFF ♦ STOCK ♦ SERVICE

STAFF

With over 125 years of industry experience behind Smith Brothers, the CORE range is supported by a highly knowledgeable and skilled team across our branch network. Our staff understand the demands of building services projects and are on hand to provide practical product guidance, technical support and reliable advice throughout the specification and supply process. From initial enquiry through to delivery, we are committed to helping customers select the right CORE products for their project requirements.

STOCK

Smith Brothers remains committed to holding strong levels of CORE stock across our national branch network and central distribution facilities. While others may reduce stock levels to minimise investment, we continue to invest in availability, ensuring key CORE products are ready when customers need them. With 23 branches strategically placed across the UK, supported by extensive warehouse capacity, we can provide dependable access to the CORE range for projects of all sizes.

SERVICE

Since the company was founded, our vision has been to deliver value through service, enabling our customers to meet their commitments with confidence. Each SBS branch operates its own fleet of FORS Gold accredited commercial vehicles, supported by a daily inter-branch stock transfer service. This gives us the flexibility to move CORE products efficiently across the UK, helping to ensure reliable, on-time deliveries both locally and nationwide.



Smith Brothers is committed to maintaining high levels of CORE product stock at every branch nationwide.



STAFF



STOCK



SERVICE



SMITH BROTHERS DISTRIBUTION CENTRE DELIVERS 75,000 SQ FT OF UNMATCHED RELIABILITY, AND LIGHTNING-FAST SUPPLY OF CORE PRODUCTS



Smith Brothers Stores Ltd



@SBS1897



www.sbs.co.uk
www.sbsonline.net

CUSTOMER

Domino M&E have been using Smith Brothers as our main supplier of HVAC products since our business started out in 2016 when our account was with the SBS Leeds depot. We have continued to use SBS, and they still remain our number 1 supplier both in terms of spend value and service attention. Our account is now with the Sheffield branch and they are just as attentive and reliable.

We love the range of products that they offer and we have been particularly impressed by the quality of the new CORE range. Our account manager is absolutely superb and the SBS next-day delivery service is like clockwork! The service we receive from our supply chain, and the quality of the products, such as CORE, is extremely important to us, because it allows us to offer the same level of service to our clients, as SBS offer to us.

Michael Peckett
Company Founder

Customer rating:



CUSTOMER

Alt-Energi are loyal customers of Smith Brothers because their service and stock availability are second to none. We can always rely on them to have what we need, when we need it, and their team is consistently helpful and knowledgeable. The quality of the CORE products is excellent, and having 24/7 access to technical documents via their website is a real added benefit. We would happily recommend SBS to anyone looking for a reliable and dependable merchant.

Jordan Stephens
Sales Director – Alt-Energi

Customer rating:



The quality of the CORE products is excellent, and 24/7 access to technical documents is a real added benefit.

CUSTOMER

We love the CORE range from Smith Brothers. The blue handles on the ball valves look sleek on the finished job, but the real winner for us is the customisation.

Being able to easily switch to locking handles or different styles without a fuss is a game-changer.

It's rare to find a brand that combines this level of style with practical, interchangeable features. Highly recommended!

Ryan Foley
Southern Air Solutions

Customer rating:



STAFF MEMBER

As an Area Sales Manager at Smith Brothers, I feel extremely confident selling the CORE product range. The level of support and training we receive makes a real difference; it means we understand the products inside out and can recommend them with total confidence. The quality of CORE speaks for itself, and customer feedback has been consistently positive, particularly regarding reliability and ease of installation. Knowing we're backed by a strong product, clear technical information, and a supportive team makes CORE an easy choice to present to our customers every day.

Paul Collard
Area Sales Manager
Smith Brothers Stores Ltd

Staff rating:



We love the CORE range
from Smith Brothers!

New office blocks for Land Recovery Ltd

Staffordshire Plumbing and Heating (SPH), a family-run business with over 20 years of industry experience, provided plumbing services for this project. Known for their professionalism and reliability, SPH partnered with Magna Projects, a contractor specialising in end-to-end project delivery, for a new two-storey office block for Land Recovery Ltd. Magna Projects utilised CORE products, including pressurisation units, dosing pots, valves, pressure gauges, and thermometers.

Land Recovery Ltd, a key service provider to the UK rail industry, operates a diverse fleet of road trucks, civil plants, and specialised rail equipment across multiple locations, including ports and material handling facilities. The new head office block in Stoke-on-Trent, directly connected to the rail network, supports seamless product distribution via its fleet of rail wagons.

The Project

Magna Projects carried out comprehensive system upgrades, including installing a domestic water system supplying showers, sinks, hydro-boil taps, toilets, and hot water boilers. A low-temperature hot water (LTHW) heating system was also implemented, connecting the plant room to radiators, underfloor heating (UFH), and other heat emitters throughout the office block.

A new plant room was built to provide heating, hot water, and boosted water. The project also included a variable refrigerant flow (VRF) air conditioning system for office cooling and a Mechanical Ventilation with Heat Recovery (MVHR) system for fresh air management. Dedicated extract fan systems were installed in toilets and kitchenette areas to enhance ventilation.

The Solution

The plant room features booster tanks, booster sets, Remeha Quinta Pro boilers in cascade, a calorifier, low-loss header, LTHW distribution pumps, a CORE pressurisation unit, a CORE dosing pot, a gas solenoid valve, and an expansion vessel. The pipework varied by system: copper was used for domestic water and blow-off lines, steel was used for low-loss headers, and stainless steel was used for LTHW distribution. CORE valves, pressure gauges, and thermometers were installed for accurate system monitoring.

Hot and cold-water systems were built using copper press fittings and multilayer pipework, while LTHW systems used stainless steel press fittings for durability and efficiency. Above-ground drainage systems were configured to handle discharges from kitchen sinks, toilets, and showers. All pipework was insulated with HVAC-grade mineral section foil-faced insulation, protected with Ali-Clad coverings, and bagged valves for a professional finish.



The Result

CORE products provide a reliable, cost-effective alternative to other HVAC solutions, ensuring quality and performance. The CORE pressurisation unit simplifies installation and commissioning for sealed heating, chilled water, and cooling systems. The CORE dosing pot, compliant with BSRIA standards, prevents dead legs in systems, while CORE valves deliver exceptional control and efficiency under various conditions. Pressure gauges and thermometers meet industry standards and offer durability, precision, and adaptability for diverse applications.

Conclusion

The collaboration between SPH, Magna Projects and CORE products exemplifies a seamless integration of expertise, high-quality materials, and innovative solutions. The new two-storey office block for Land Recovery Ltd's meets the client's functional and operational needs and reflects a commitment to efficiency and durability.

The project achieved a modern, energy-efficient workspace tailored to support Land Recovery Ltd extensive operations by employing advanced HVAC systems, robust plant room installations, and cutting-edge CORE components. The successful delivery highlights the importance of trusted partnerships and the use of reliable products to exceed client expectations.

BCFC Plantroom Refurbishment

After the acquisition of Birmingham City Football Club by an American consortium, a major infrastructure project was initiated to overhaul the wet heating and hot water systems throughout the lower Kop and Tilton stands. As part of the overhaul of mechanical plant, Birmingham City FC were looking for a solution for quality valves, copper fittings, and channel components to be installed in the plant room refurbishment.

The Project

For the club's principal mechanical contractor and a Smith Brothers Birmingham customer, Ignis group were engaged to commence a "turn-key" project overhauling the gas fired boilers and hot water infrastructure. As such, Ignis Group are responsible for compliance, service and maintenance of all heating and hot water services at the St Andrews stadium and West Hills training ground.

The Solution

Working in collaboration with Ignis Group, Smith Brothers obtained a detailed understanding of the technical requirements of this project. They recommended a range of CORE products for the installation, including CORE ball valves, as a quality and cost-effective alternative for the plant room at the ground.

The CORE ball valves used for the project shut off the flow to a system rather than restrict it, allowing users to isolate a section of pipework when required. The CORE range offers screwed, compression, and M&V press-ended options, in brass and DZR brass.

The comprehensive range of compression fittings are manufactured to the highest standard in the UK and complies with EN1254-1, providing the reliability, quality, and affordability that installers and consultants demand. They suit hot and cold water, heating installations, fuel, and industrial engineering applications.



The Result

With the assistance of Smith Brothers and their Area Sales Manager, Ignis completed the overhaul within a tight programme and budgetary constraint. Smith Brothers Birmingham Branch Manager Nathan Field said, "Being a Blues fan, it's great to see the investment our new owners are putting in. This is an example of a top quality installation from the fantastic team at Ignis Group and I believe the result is a testament to their high superior levels of work!"

Implementing CORE products within their HVAC installation gives the customer peace of mind that the products offer the ultimate performance and standards you would expect from a leading brand.

The brand was devised with the customer in mind, drawing from the knowledge and expertise of 125+ years of trading history. At Smith Brothers, product quality monitoring never stops, with all stock lines having audited systems and constant 360-degree feedback from customers, manufacturers and SBS staff members.

Conclusion

Ultimately, CORE proved to be a feasible alternative to other branded options. The products installed represent exceptional quality and true value, which is supported by Smith Brothers' renowned service levels for expertise and knowledge within the industry maintained since 1897.



PRODUCT RANGES

FITTINGS	VALVES		PUMPS AND PRESSURISATION
• Endfeed • Compression • Press-Fit • Solder Ring	• Auto Air Vents • Ball • Butterfly • Check • Double Regulating • Gate • Globe	• PRVs • Service • Stopcocks • Strainers • TBVs • TMVs	• Expansion Vessels • Filling Loops • Pressurisation Units • Pump Flexibles



WATER TREATMENT

- Air & Dirt Separators
- Chemicals
- Dosing Pots
- Full Flow Commercial Filter
- Side Stream Filters

PIPE SUPPORTS

- Rubber-Lined Clips
- Unlined Clips
- Expansion Joints
- Roof Top Supports

CONTROLS

- Combined Gauges
- Pressure Gauges
- Thermometers

CONSUMABLES

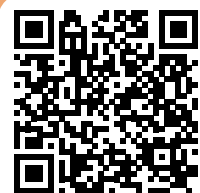
- Abrasives
- Hemp
- Jointing
- Sealants and Lubricants
- Solder Wire
- Tooling

FITTINGS

Our comprehensive range of fittings includes the copper M-profile press system for water (WRAS approved) & gas, along with our copper end feed, solder ring, compression fittings (including DZR) all of which are suitable for potable water. Every product is tested and manufactured in accordance with EN 1254 standards within ISO 9001 and ISO 14001 certified environments. This ensures CORE fittings consistently deliver the highest levels of quality, performance and reliability.



Access all technical documents for the **Fittings** range 24/7 by scanning this QR code.



The CORE copper press range is available in sizes 15 - 108mm for water, and up to 54mm for gas. Perfect for heat-free installation for potable water, gas (family 2 and family 3 fuel gas systems) and heating/cooling applications. This product is backed by a 30-year warranty and is KIWA Reg4, WRAS and Kitemarked approved while being manufactured to EN1254 standards within ISO 9001 and 14001 conditions. Our fittings are easily identifiable with blue ends for water, yellow ends for gas.

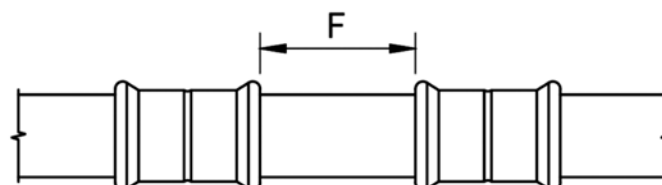
Technical Details

- **Materials:** CW024A Copper and CW602N DZR Brass
- **Sealing:** Black EPDM O-Ring or Yellow Hydrogenated Nitrile Butadiene Rubber O-Ring
- **Press Configuration:** M-Profile
- **Maximum Operating Pressure:** Water - 16 bar, Gas – 5 bar Outdoors or 1 bar Indoor
- **Temperature Range:** Water -20°C - 110°C or -20°C - 70°C (Gas)
- **Warranty:** 30 Years
- **Standards:** EN1254 (within ISO 9001 & 14001 conditions)
- **Approvals:** WRAS, Kitemarked, KIWA Reg4
- **Thread Specification:** Male - ISO 7/EN10226-1 Female - BS EN ISO 228
- **Water (Blue) Fittings:** Leak Before Press O-Ring (up to 54mm), Leak Before Press Fitting Geometry (67 – 108mm)

Installation Distance

It is recommended to maintain a minimum distance between each fitting to account for the deformation of the tube profile when pressed.

Size (mm)	F = Minimum Clearance (mm)
15	13
22	13
28	13
35	13
42	16
54	20
66.7	30
76.1	40
108	50



Training

Through our distribution partner Smith Brothers, FREE product training is available on the CORE press system. The training can be held on-site, within a classroom environment or virtually via Microsoft Teams or other virtual platforms. The training helps installers learn best practices to adopt, such as pipe preparation pre-press, and common mistakes to avoid. Upon successful completion, all attendees will receive a certificate & ID lanyard to confirm they are skilled and competent.

The press system has been designed to EN1254 standards to be combined with copper tube manufacturers to EN 1057 with correct pipe preparation and tooling selection prior to press. Refer to the tables below for guidance and contact a CORE or Smith Brothers representative should you have any questions.

EN1057 Tube Compatibility Table

R250 - Half Hard (bendable)

R290 - Hard (unbendable)

Size (mm)	Wall (mm)						
	0.7	0.9	1	1.2	1.5	2	2.5
15	R250 - R290		R250 - R290				
22		R250 - R290		R250 - R290			
28		R250 - R290		R250 - R290			
35			R290	R250 - R290	R290		
42			R290	R250 - R290	R290		
54			R290	R290	R290		
66.7				R290		R290	
76.1					R290	R290	
108					R290		R290

EN1057 Copper Tube

Product Code		Size (mm)	Wall (mm)	Temper	Max Working Pressure (bar)	Thickness Tolerance (%)	Warranty (Years)*	CE & Kitemark	WRAS	ISO 9001 ISO 14001	100% Recycled & Recyclable
3M Length	6M Length										
CUT0153M	CUT0156M	15	0.7	Half Hard	58	10	25	✓	✓	✓	✓
CUT0223M	CUT0226M	22	0.9	Half Hard	51	10	25	✓	✓	✓	✓
CUT0283M	CUT0286M	28	0.9	Half Hard	40	10	25	✓	✓	✓	✓
CUT0353M	CUT0356M	35	1.2	Half Hard	42	10	25	✓	✓	✓	✓
CUT0423M	CUT0426M	42	1.2	Half Hard	35	10	25	✓	✓	✓	✓
CUT0543M	CUT0546M	54	1.2	Hard	33	15	25	✓	✓	✓	✓
CUT0673M	CUT0676M	66.7	1.2	Hard	26	15	25	✓	✓	✓	✓
CUT0763M	CUT0766M	76.1	1.5	Hard	29	15	25	✓	✓	✓	✓
CUT1083M	CUT1086M	108	1.5	Hard	20	15	25	✓	✓	✓	✓

*30 for heat free applications

Tool Compatibility

It is imperative that the correct tools, adaptors, pressing jaws and slings from a single manufacturer are used during installation. CORE does not supply its own tools but these are available to purchase through Smith Brothers or hire through their tool hire partner MEP.

Manufacturer	Model	Diameter (mm)	Pressing Jaws	Adaptors	Sling
Novopress	ACO103	15-28	PB1 M15-M28	-	-
	ACO203	15-35	PB2 M15-M35	-	-
		42-54	-	ZB203	PSL M42-M54
	ACO203XL	15-35	PB2 M15-M35	-	-
		42-54	-	ZB203	PSL M42-M54
		66.7-76.1	-	ZB221	PSL M67-M76
		108	-	ZB221 + ZB2221	PSL 108 Copper Only PSL M108
Rothenberger	Compact TT	15-28	Compact M15-M28	-	-
	Compact 3	15-35	Compact M15-M35	-	-
	Romax 4000	15-35	Standard M15-M35	-	-
		42-54	-	ZBS1	M42-M54
Rems	Mini-Press	15-28	M15-M28	-	-
	Akku-Press	15-28	M15-M28	-	-

FITTINGS

Copper Press-Fit

90 Degree Elbow (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**
Max Pressure: **16 Bar**



Product Code	Size (mm)	Dimensions			Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
		φDa	Xa(min)	A			
CCP12015	15	15	17	38	✓	✓	✓
CCP12022	22	22	19	48	✓	✓	✓
CCP12028	28	28	21	57	✓	✓	✓
CCP12035	35	35	23	68	✓	✓	✓
CCP12042	42	42	27	80	✓	✓	✓
CCP12054	54	54	32	105	✓	✓	✓
CCP12067	67	66.7	42	129	✓	✓	✓
CCP12076	76	76.1	44	142	✓	✓	✓
CCP12108	108	108	64	200	✓	✓	✓

45 Degree Elbow (M-Profile with Black EPDM O-Ring)

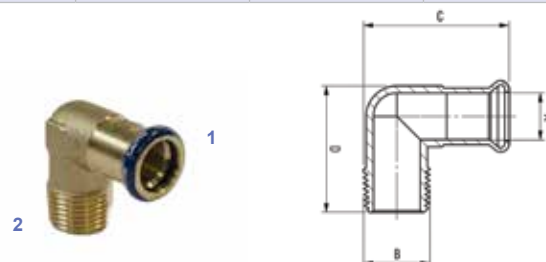
Working Temperature: **-20 to 110°C**
Max Pressure: **16 Bar**



Product Code	Size (mm)	Dimensions			Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
		φDa	Xa(min)	A			
CCP21015	15	15	17	27	✓	✓	✓
CCP21022	22	22	19	32	✓	✓	✓
CCP21028	28	28	21	37	✓	✓	✓
CCP21035	35	35	23	43	✓	✓	✓
CCP21042	42	42	27	50	✓	✓	✓
CCP21054	54	54	32	61	✓	✓	✓
CCP21067	67	66.7	42	82	✓	✓	✓
CCP21076	76	76.1	44	89	✓	✓	✓
CCP21108	108	108	64	124	✓	✓	✓

Male Elbow (M-Profile with Black EPDM O-Ring)

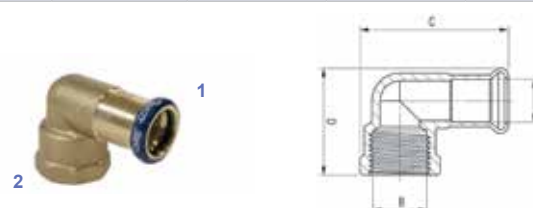
Working Temperature: **-20 to 110°C**
Max Pressure: **16 Bar**



Product Code	Size 1 (mm)	Size 2 (Inch)	Dimensions				Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
			φA	B	C	D			
CCP13015	15	1/2"	15	ZG1/2-14	46.7	42.5	✓	✓	✓

Female Elbow (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**
Max Pressure: **16 Bar**



Product Code	Size 1 (mm)	Size 2 (Inch)	Dimensions				Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
			φA	B	C	D			
CCP14015	15	1/2"	15	G1/2-14	52	37.5	✓	✓	✓

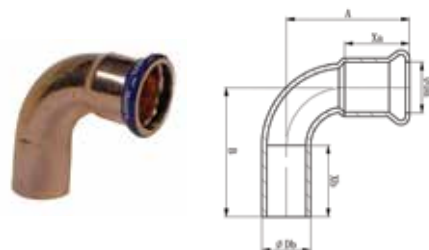
FITTINGS

Copper Press-Fit

90 Degree Street Elbow (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**

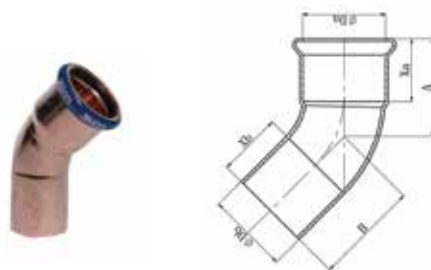


Product Code	Size (mm)	Dimensions							Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
		φDa	Xa(min)	A	φDb(min)	φDb(max)	Xb(min)	B			
CCP12S015	15	15	17	38	14.95	15.04	19	40	✓	✓	✓
CCP12S022	22	22	19	48	22	22.05	21	50	✓	✓	✓
CCP12S028	28	28	21	57	28	28.05	23	59	✓	✓	✓
CCP12S035	35	35	23	68	35	35.06	25	71	✓	✓	✓
CCP12S042	42	42	27	80	42	42.06	30	84	✓	✓	✓
CCP12S054	54	54	32	105	54	54.06	35	103	✓	✓	✓
CCP12S067	67	66.7	42	129	66.7	66.77	48	147	✓	✓	✓
CCP12S076	76	76.1	44	142	76.1	76.17	50	160	✓	✓	✓
CCP12S108	108	108	64	200	108	108.07	70	227	✓	✓	✓

45 Degree Street Elbow (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**

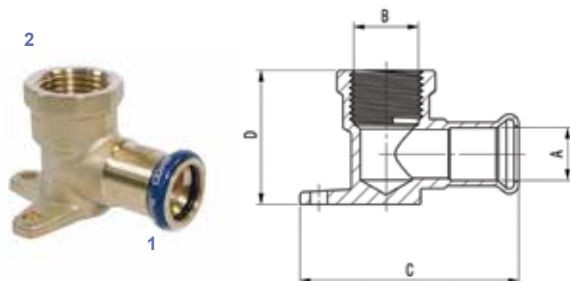


Product Code	Size (mm)	Dimensions							Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
		φDa	Xa(min)	A	φDb(min)	φDb(max)	Xb(min)	B			
CCP21S015	15	15	17	27	14.95	15.04	19	30	✓	✓	✓
CCP21S022	22	22	19	32	22	22.05	21	35	✓	✓	✓
CCP21S028	28	28	21	37	28	28.05	23	39	✓	✓	✓
CCP21S035	35	35	23	43	35	35.06	25	46	✓	✓	✓
CCP21S042	42	42	27	50	42	42.06	30	54	✓	✓	✓
CCP21S054	54	54	32	61	54	54.06	35	63.3	✓	✓	✓
CCP21S067	67	66.7	42	82	66.7	66.77	48	100	✓	✓	✓
CCP21S076	76	76.1	44	89	76.1	76.17	50	105	✓	✓	✓
CCP21S108	108	108	64	124	108	108.07	70	145	✓	✓	✓

Wallplate Female Elbow (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**



Product Code	Size 1 (mm)	Size 2 (Inch)	Dimensions				Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
			φA	B	C	D			
CCP15015	15	1/2"	15	G1/2-14	63.5	38.5	✓	✓	✓

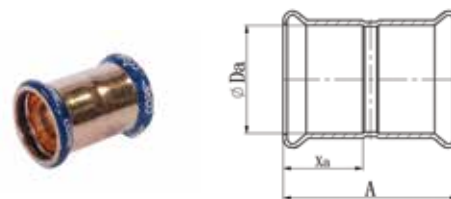
FITTINGS

Copper Press-Fit

Coupling (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**

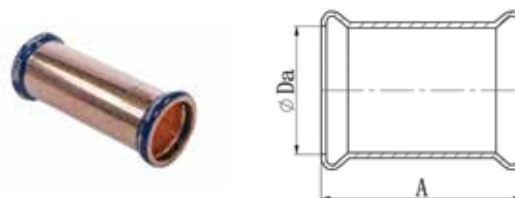


Product Code	Size (mm)	Dimensions			Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
		φDa	Xa(min)	A			
CCP1015	15	15	17	42	✓	✓	✓
CCP1022	22	22	19	44	✓	✓	✓
CCP1028	28	28	21	50	✓	✓	✓
CCP1035	35	35	23	57	✓	✓	✓
CCP1042	42	42	27	65	✓	✓	✓
CCP1054	54	54	32	75	✓	✓	✓
CCP1067	67	66.7	42	105	✓	✓	✓
CCP1076	76	76.1	44	109	✓	✓	✓
CCP1108	108	108	64	150	✓	✓	✓

Slip Coupling (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**



Product Code	Size (mm)	Dimensions		Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
		φDa	A			
CCP1S015	15	15	27	✓	✓	✓
CCP1S022	22	22	32	✓	✓	✓
CCP1S028	28	28	37	✓	✓	✓
CCP1S035	35	35	43	✓	✓	✓
CCP1S042	42	42	50	✓	✓	✓
CCP1S054	54	54	61	✓	✓	✓
CCP1S067	67	66.7	82	✓	✓	✓
CCP1S076	76	76.1	89	✓	✓	✓
CCP1S108	108	108	124	✓	✓	✓

Stop End (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**



Product Code	Size (mm)	Dimensions			Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
		φDa	Xa(min)	A			
CCP61015	15	15	17	21.5	✓	✓	✓
CCP61022	22	22	19	22	✓	✓	✓
CCP61028	28	28	21	24.5	✓	✓	✓
CCP61035	35	35	23	28	✓	✓	✓
CCP61042	42	42	27	32	✓	✓	✓
CCP61054	54	54	32	37.5	✓	✓	✓
CCP61067	67	66.7	42	85	✓	✓	✓
CCP61076	76	76.1	44	82	✓	✓	✓
CCP61108	108	108	64	112	✓	✓	✓

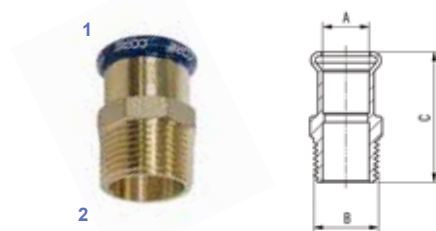
FITTINGS

Copper Press-Fit

Male Iron Adaptor (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**



Product Code	Size 1 (mm)	Size 2 (Inch)	Dimensions			Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
			φA	B	C			
CCP3015	15	1/2"	15	ZG1/2-14	42.5	✓	✓	✓
CCP3015020	15	3/4"	15	ZG3/4-14	45	✓	✓	✓
CCP3022015	22	1/2"	22	ZG1/2-14	43.5	✓	✓	✓
CCP3022025	22	1"	22	ZG1-11	49.5	✓	✓	✓
CCP3028	28	1"	28	ZG1-11	51.5	✓	✓	✓
CCP3035	35	1.1/4"	35	ZG1 1/4-11	56	✓	✓	✓
CCP3042	42	1.1/2"	42	ZG1 1/2-11	64	✓	✓	✓
CCP3054	54	2"	54	ZG2-11	74	✓	✓	✓
CCP3067	67	2.1/2"	66.7	ZG2 1/2-11	88	✓	✓	✓
CCP3076	76	3"	76.1	ZG3-11	96	✓	✓	✓

Female Iron Adaptor (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**

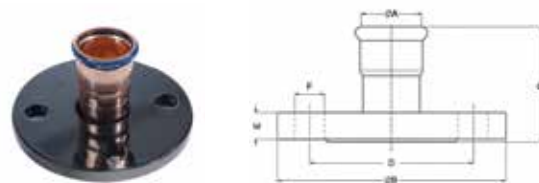


Product Code	Size 1 (mm)	Size 2 (Inch)	Dimensions			Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
			φA	B	C			
PCU2015	15	1/2"	15	G1/2-14	39	✓	✓	✓
PCU2022015	22	1/2"	22	G1/2-14	38	✓	✓	✓
PCU2022	22	3/4"	22	G3/4-14	41	✓	✓	✓
PCU2028	28	1"	28	G1-11	47	✓	✓	✓
PCU2035	35	1.1/4"	35	G1 1/4-11	50	✓	✓	✓
PCU2042	42	1.1/2"	42	G1 1/2-11	56	✓	✓	✓
PCU2054	54	2"	54	G2-11	64.5	✓	✓	✓

PN16 Flange Adaptor (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**



Product Code	Size (mm)	Dimensions						Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
		φA	φB	C	D	E	F			
CCP1FMF042	42	42	150	72.5	110	12	18	✓	✓	✓
CCP1FMF054	54	54	165	82.5	125	14	18	✓	✓	✓
CCP1FMF067	67	66.7	185	95	145	17	18	✓	✓	✓
CCP1FMF076	76	76.1	200	100	160	17	18	✓	✓	✓
CCP1FMF108	108	108	220	135	180	20	18	✓	✓	✓

FITTINGS

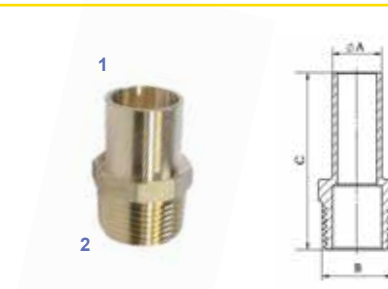
Copper Press-Fit

Male Insert Adaptor (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**

Product Code	Size 1 (mm)	Size 2 (Inch)	Dimensions			Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
			φA	B	C			
CCP8015	15	1/2"	15	G1/2-14	54	✓	✓	✓
CCP8022	22	3/4"	22	G3/4-14	57.5	✓	✓	✓
CCP8028	28	1"	28	G1-11	63	✓	✓	✓
CCP8035	35	1.1/4"	35	G1 1/4-11	67.5	✓	✓	✓
CCP8042	42	1.1/2"	42	G1 1/2-11	86	✓	✓	✓
CCP8054	54	2"	54	G2-11	96	✓	✓	✓



Female Insert Adaptor (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**

Product Code	Size 1 (mm)	Size 2 (Inch)	Dimensions			Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
			φA	B	C			
CCP7015	15	1/2"	15	G1/2-14	50.5	✓	✓	✓
CCP7022	22	3/4"	22	G3/4-14	52.5	✓	✓	✓
CCP7028	28	1"	28	G1-11	58.5	✓	✓	✓
CCP7035	35	1.1/4"	35	G1 1/4-11	61.5	✓	✓	✓
CCP7042	42	1.1/2"	42	G1 1/2-11	78	✓	✓	✓
CCP7054	54	2"	54	G2-11	86.5	✓	✓	✓

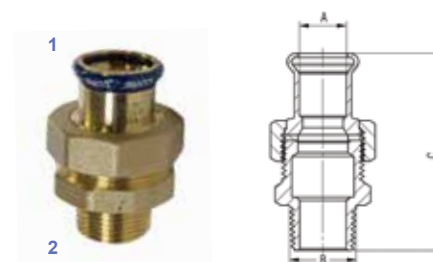


Male Union Adaptor (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**

Product Code	Size 1 (mm)	Size 2 (Inch)	Dimensions			Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
			φA	B	C			
CCP69015	15	1/2"	15	ZG1/2-14	63	✓	✓	✓
CCP69022	22	3/4"	22	ZG3/4-14	68	✓	✓	✓
CCP69028	28	1"	28	ZG1-11	74.5	✓	✓	✓
CCP69035	35	1.1/4"	35	ZG1 1/4-11	81	✓	✓	✓
CCP69042	42	1.1/2"	42	ZG1 1/2-11	88.5	✓	✓	✓
CCP69054	54	2"	54	ZG2-11	101	✓	✓	✓



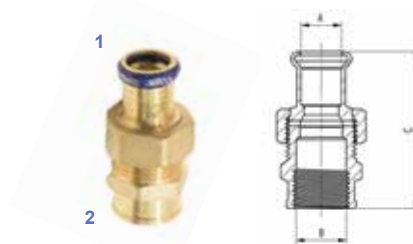
FITTINGS

Copper Press-Fit

Female Union Adaptor (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**

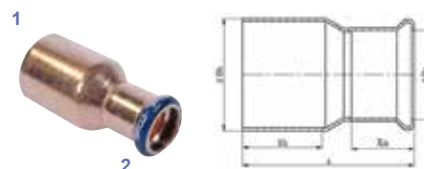


Product Code	Size 1 (mm)	Size 2 (Inch)	Dimensions			Kitemarked	WRAS KIWA	ISO 9001 ISO 14001
			φA	B	C			
CCP69F015	15	1/2"	15	G1/2-14	37.5	✓	✓	✓
CCP69F022	22	3/4"	22	G3/4-14	46	✓	✓	✓
CCP69F028	28	1"	28	G1-11	51.5	✓	✓	✓
CCP69F035	35	1.1/4"	35	G1 1/4-11	55	✓	✓	✓
CCP69F042	42	1.1/2"	42	G1 1/2-11	57	✓	✓	✓
CCP69F054	54	2"	54	G2-11	39.5	✓	✓	✓

Insert Reducer (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**

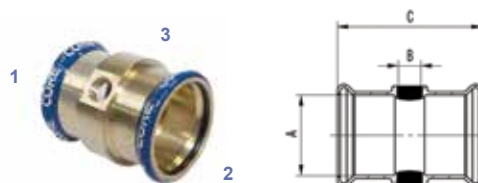


Product Code	Size 1 (mm)	Size 2 (mm)	Dimensions						Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
			φDb(min)	φDb(max)	Xb(min)	A	φDa	Xa(min)			
CCP6022015	22	15	22	22.05	21	52	15	17	✓	✓	✓
CCP6028015	28	15	28	28.05	23	60	15	17	✓	✓	✓
CCP6028022	28	22	28	28.05	23	55	22	19	✓	✓	✓
CCP6035022	35	22	35	35.06	25	63	22	19	✓	✓	✓
CCP6035028	35	28	35	35.06	25	60	28	21	✓	✓	✓
CCP6042022	42	22	42	42.06	30	69	22	19	✓	✓	✓
CCP6042028	42	28	42	42.06	30	71	28	21	✓	✓	✓
CCP6042035	42	35	42	42.06	30	69	35	23	✓	✓	✓
CCP6054028	54	28	54	54.06	35	80	28	21	✓	✓	✓
CCP6054035	54	35	54	54.06	35	83	35	23	✓	✓	✓
CCP6054042	54	42	54	54.06	48	82	42	27	✓	✓	✓
CCP6067028	67	28	66.7	66.77	48	114	28	21	✓	✓	✓
CCP6067035	67	35	66.7	66.77	48	108	35	23	✓	✓	✓
CCP6067042	67	42	66.7	66.77	48	108	42	27	✓	✓	✓
CCP6067054	67	54	66.7	66.77	50	108	54	32	✓	✓	✓
CCP6076035	76	35	76.1	76.17	50	122	35	23	✓	✓	✓
CCP6076042	76	42	76.1	76.17	50	115	42	27	✓	✓	✓
CCP6076054	76	54	76.1	76.17	50	115	54	32	✓	✓	✓
CCP6076067	76	67	76.1	76.17	70	120	66.7	42	✓	✓	✓
CCP6108042	108	42	108	108.07	70	152	42	27	✓	✓	✓
CCP6108054	108	54	108	108.07	70	152	54	32	✓	✓	✓
CCP6108067	108	67	108	108.07	70	158	66.7	42	✓	✓	✓
CCP6108076	108	76	108	108.07	70	155	76.1	44	✓	✓	✓

Dual Port Tee (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**



Product Code	Size 1 (mm)	Size 2 (mm)	Size 3 (Inch)	Dimensions			Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
				φA	B	C			
CCP32067015	67	67	1/2"	66.7	G1/2-14	121	✓	✓	✓
CCP32076015	76	76	1/2"	76.1	G1/2-14	121	✓	✓	✓
CCP32108020	108	108	3/4"	108	G3/4-14	172	✓	✓	✓

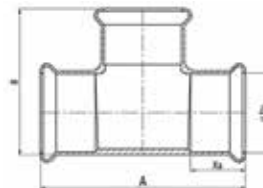
FITTINGS

Copper Press-Fit

Equal Tee (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**

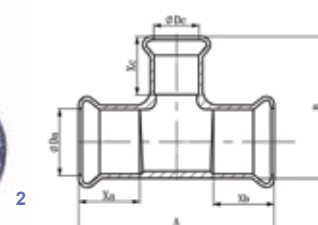


Product Code	Size (mm)	Dimensions				Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
		φDa	Xa(min)	A	B			
CCP24015	15	15	17	64	41	✓	✓	✓
CCP24022	22	22	19	74	49.5	✓	✓	✓
CCP24028	28	28	21	84	57.5	✓	✓	✓
CCP24035	35	35	23	100	69	✓	✓	✓
CCP24042	42	42	27	112	78.5	✓	✓	✓
CCP24054	54	54	32	138	97.5	✓	✓	✓
CCP24067	67	66.7	42	178	124	✓	✓	✓
CCP24076	76	76.1	44	190	135	✓	✓	✓
CCP24108	108	108	64	270	200	✓	✓	✓

Reducing Branch Tee (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**

Max Pressure: **16 Bar**



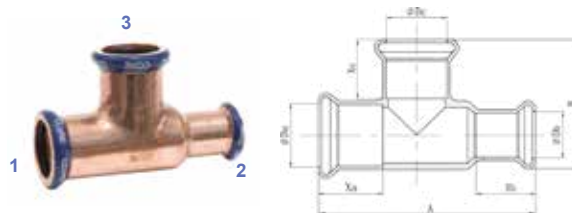
Product Code	Size 1 (mm)	Size 2 (mm)	Size 3 (mm)	Dimensions								Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
				φDa	Xa(min)	A	φDb(min)	Xb(min)	B	φDc(min)	Xc(min)			
CCP25022015	22	22	15	22	19	67	22	19	48.5	15	17	✓	✓	✓
CCP25028015	28	28	15	28	21	72	28	21	55.5	15	17	✓	✓	✓
CCP25028022	28	28	22	28	21	78	28	21	55.5	22	19	✓	✓	✓
CCP25035015	35	35	15	35	23	79	35	23	61	15	17	✓	✓	✓
CCP25035022	35	35	22	35	23	86	35	23	62	22	19	✓	✓	✓
CCP25035028	35	35	28	35	23	92	35	23	66	28	21	✓	✓	✓
CCP25042015	42	42	15	42	27	90	42	27	67.5	15	17	✓	✓	✓
CCP25042022	42	42	22	42	27	96	42	27	70.5	22	19	✓	✓	✓
CCP25042028	42	42	28	42	27	100	42	27	72.5	28	21	✓	✓	✓
CCP25042035	42	42	35	42	27	105	42	27	75	35	23	✓	✓	✓
CCP25054022	54	54	22	54	32	106	54	32	81.5	22	19	✓	✓	✓
CCP25054028	54	54	28	54	32	112	54	32	84.5	28	21	✓	✓	✓
CCP25054035	54	54	35	54	32	120	54	32	87.5	35	23	✓	✓	✓
CCP25054042	54	54	42	54	32	126	54	32	92.5	42	27	✓	✓	✓
CCP25067028	67	67	28	66.7	42	145	66.7	42	120	28	21	✓	✓	✓
CCP25067035	67	67	35	66.7	42	146	66.7	42	130	35	23	✓	✓	✓
CCP25067042	67	67	42	66.7	42	150	66.7	42	130	42	27	✓	✓	✓
CCP25067054	67	67	54	66.7	42	170	66.7	42	135	54	32	✓	✓	✓
CCP25076022	76	76	22	76.1	44	157	76.1	44	148	22	19	✓	✓	✓
CCP25076028	76	76	28	76.1	44	152	76.1	44	148	28	21	✓	✓	✓
CCP25076035	76	76	35	76.1	44	170	76.1	44	140	35	23	✓	✓	✓
CCP25076042	76	76	42	76.1	44	165	76.1	44	135	42	27	✓	✓	✓
CCP25076054	76	76	54	76.1	44	165	76.1	44	140	54	32	✓	✓	✓
CCP25108054	108	108	54	108	64	250	108	64	165	54	32	✓	✓	✓
CCP25108067	108	108	67	108	64	250	108	64	185	66.7	42	✓	✓	✓
CCP25108076	108	108	76	108	64	250	108	64	195	76.1	44	✓	✓	✓

FITTINGS

Copper Press-Fit

Reducing End Tee (M-Profile with Black EPDM O-Ring)

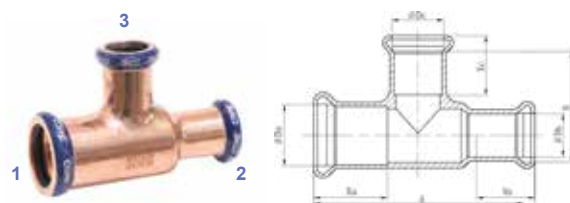
Working Temperature: **-20 to 110°C**
Max Pressure: **16 Bar**



Product Code	Size 1 (mm)	Size 2 (mm)	Size 3 (mm)	Dimensions								Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
				φDa	Xa(min)	A	φDb(min)	Xb(min)	B	φDc(min)	Xc(min)			
CCP26022015022	22	15	22	22	19	81	15	17	49.5	22	19	✓	✓	✓
CCP26028015028	28	15	28	28	21	94	15	17	57.5	28	21	✓	✓	✓
CCP26028022028	28	22	28	28	21	87	22	19	57.5	28	21	✓	✓	✓
CCP26035022035	35	22	35	35	23	104.5	22	19	69	35	23	✓	✓	✓
CCP26035028035	35	28	35	35	23	104	28	21	69	35	23	✓	✓	✓

Reducing End & Branch Tee (M-Profile with Black EPDM O-Ring)

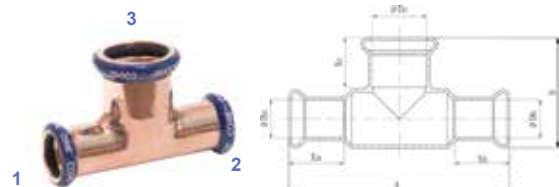
Working Temperature: **-20 to 110°C**
Max Pressure: **16 Bar**



Product Code	Size 1 (mm)	Size 2 (mm)	Size 3 (mm)	Dimensions								Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
				φDa	Xa(min)	A	φDb(min)	Xb(min)	B	φDc(min)	Xc(min)			
CCP27022015015	22	15	15	22	19	73.5	15	17	48.5	15	17	✓	✓	✓
CCP27028022015	28	22	15	28	21	76.5	22	19	55.5	15	17	✓	✓	✓
CCP27028022022	28	22	22	28	21	83	22	19	55.5	22	19	✓	✓	✓
CCP27035022022	35	22	22	35	23	91	22	19	62	22	19	✓	✓	✓
CCP27035028022	35	28	22	35	23	91	28	21	62	22	19	✓	✓	✓
CCP27042035035	42	35	35	42	27	109.5	35	23	75	35	23	✓	✓	✓

Bullnose Tee (M-Profile with Black EPDM O-Ring)

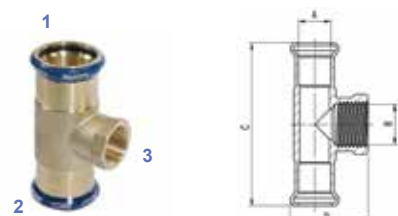
Working Temperature: **-20 to 110°C**
Max Pressure: **16 Bar**



Product Code	Size 1 (mm)	Size 2 (mm)	Size 3 (mm)	Dimensions								Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
				φDa	Xa(min)	A	φDb(min)	Xb(min)	B	φDc(min)	Xc(min)			
CCP28015015022	15	15	22	15	17	68	15	17	42	22	19	✓	✓	✓

Female Branch Tee (M-Profile with Black EPDM O-Ring)

Working Temperature: **-20 to 110°C**
Max Pressure: **16 Bar**



Product Code	Size 1 (mm)	Size 2 (mm)	Size 3 (Inch)	Dimensions				Kitemarked	WRAS, KIWA Reg4	ISO 9001 ISO 14001
				φA	B	C	D			
CCP30015	15	15	1/2"	15	G1/2-14	36.5	76	✓	✓	✓
CCP30022015	22	22	1/2"	22	G1/2-14	43.6	78	✓	✓	✓
CCP30022020	22	22	3/4"	22	G3/4-14	45.6	84	✓	✓	✓
CCP30028015	28	28	1/2"	28	G1/2-14	49.6	82	✓	✓	✓
CCP30035015	35	35	1/2"	35	G1/2-14	59	94	✓	✓	✓
CCP30042015	42	42	1/2"	42	G1/2-14	66.8	102	✓	✓	✓
CCP30054015	54	54	1/2"	54	G1/2-14	78.7	110	✓	✓	✓
CCP30076020	76	76	3/4"	76.1	G3/4-14	106.4	145	✓	✓	✓

GAS - 90 Degree Elbow (M-Profile with Yellow HNBR O-Ring)



Dimensions: **Same as water fitting**

Product Code	Size (mm)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001
CCPG12015	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG12022	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG12028	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG12035	35	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG12042	42	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG12054	54	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓

GAS - 45 Degree Elbow (M-Profile with Yellow HNBR O-Ring)



Dimensions: **Same as water fitting**

Product Code	Size (mm)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG21015	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG21022	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG21028	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG21035	35	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG21042	42	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG21054	54	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓

GAS - 90 Degree Street Elbow (M-Profile with Yellow HNBR O-Ring)



Dimensions: **Same as water fitting**

Product Code	Size (mm)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG12S015	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG12S022	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG12S028	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG12S035	35	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG12S042	42	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG12S054	54	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓

GAS - 45 Degree Street Elbow (M-Profile with Yellow HNBR O-Ring)



Dimensions: **Same as water fitting**

Product Code	Size (mm)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG21S015	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG21S022	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG21S028	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG21S035	35	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG21S042	42	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG21S054	54	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓



GAS - Male Iron Adaptor (M-Profile with Yellow HNBR O-Ring)

Dimensions: **Same as water fitting**

Product Code	Size A (mm)	Size B (inch)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG3015	15	1/2"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG3015020	15	3/4"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG3022015	22	1/2"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG3022	22	3/4"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG3028	28	1"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG3035	35	1.1/4"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG3042	42	1.1/2"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG3054	54	2"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓



GAS - Female Iron Adaptor (M-Profile with Yellow HNBR O-Ring)

Dimensions: **Same as water fitting**

Product Code	Size A (mm)	Size B (inch)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG2015	15	1/2"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG2022	22	3/4"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG2028	28	1"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG2035	35	1.1/4"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG2042	42	1.1/2"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG2054	54	2"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓



GAS - Stop End (M-Profile with Yellow HNBR O-Ring)

Dimensions: **Same as water fitting**

Product Code	Size (mm)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG61015	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG61022	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG61028	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG61035	35	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG61042	42	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG61054	54	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓



GAS - Insert Reducer (M-Profile with Yellow HNBR O-Ring)

Dimensions: **Same as water fitting**

Product Code	Size A (mm)	Size B (mm)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG6022015	22	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG6028015	28	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG6028022	28	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG6035022	35	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG6035028	35	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG6042022	42	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG6042028	42	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG6042035	42	35	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG6054035	54	35	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG6054042	54	42	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓



GAS - Coupling (M-Profile with Yellow HNBR O-Ring)

Dimensions: **Same as water fitting**

Product Code	Size (mm)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG1015	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG1022	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG1028	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG1035	35	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG1042	42	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG1054	54	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓



GAS - Reducing Coupling (M-Profile with Yellow HNBR O-Ring)

Dimensions: **Available on Request**

Product Code	Size A (mm)	Size B (mm)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG1R022015	22	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG1R028022	28	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓



GAS - Equal Tee (M-Profile with Yellow HNBR O-Ring)

Dimensions: **Same as water fitting**

Product Code	Size (mm)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG24015	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG24022	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG24028	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG24035	35	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG24042	42	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG24054	54	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓



GAS - Reducing Branch Tee (M-Profile with Yellow HNBR O-Ring)

Dimensions: **Same as water fitting**

Product Code	Size A (mm)	Size B (mm)	Size C (mm)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG25022015	22	22	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG25028015	28	28	15	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG25028022	28	28	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG25035022	35	35	22	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG25035028	35	35	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG25042028	42	42	28	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG25042035	42	42	35	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG25054042	54	54	42	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓



GAS - Female Branch Tee (M-Profile with Yellow HNBR O-Ring)

Dimensions: **Same as water fitting**

Product Code	Size A (mm)	Size B (mm)	Size C (inch)	Working Temperature (°C)	Max Pressure (Bar)	Gas Approved	Kitemarked	ISO 9001 ISO 14001
CCPG30015	15	15	1/2"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG30022015	22	22	1/2"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG30022020	22	22	3/4"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓
CCPG30028015	28	28	1/2"	-20 to 70	5 Outdoors or 1 Indoor	✓	✓	✓

End Feed

Our CORE end feed range is manufactured to the highest standards in the UK, providing the reliability, quality, and affordability that our installers and consultants demand. They are seamless, one-piece fittings, making them stronger and easier to use. The joint is created when solder is applied to the end feed fitting, using the process of capillary action to make an easy, effective connection. All our fittings comply with British and International standards, manufactured to BS EN 1254 under quality management standard ISO 9001:2015.

Dimensions

Equal Fittings with uniform connections are singularly sized. e.g. 15mm.

Reduced fittings with two connections are displayed with the largest size first. e.g. 22 x 15mm.

How to Braze copper fittings

1. Cut tube square with the cutter or fine hack saw (32 tooth blade is recommended). Remove Burr.
2. Clean outside end of copper tube thoroughly with sand cloth or sandpaper equal depth of fitting. Leave no dark spots.
3. Clean inside of fitting carefully to tube stop with wire brush.
Note: Sand cloth or sandpaper may also be used.
4. Apply heat uniformly around the fitting with torch. When brazing rod melts upon contact with heated fitting, the proper brazing temperature has been reached. Remove flame and feed brazing rod slightly off centre at the bottom of the joint. Proceed across the bottom of the fitting and up to the top centre position. Return to the starting point, and then proceed up the incomplete side to the top, again, overlapping the filler metal. Wipe off surplus brazing alloy with a piece of cloth.

End Feed to EN1254-1 and EN1254-4



COUPLING/SOCKET



90° ELBOW



90° STREET ELBOW



EQUAL TEE



45° ELBOW



45° STREET ELBOW



END CAP/STOP END



INSERT REDUCER



REDUCING
COUPLING/SOCKET



REDUCING TEES



SLIP COUPLING/SOCKET



CROSSOVERS



TAP CONNECTOR



MALE IRON ADAPTOR



FEMALE IRON ADAPTOR



MALE IRON ELBOW



FEMALE IRON ELBOW



WALLPLATE
FEMALE IRON ELBOW



FEMALE BRANCH TEE



AIR VENT CAP



IMPERIAL/METRIC
ADAPTOR



MALE UNION ADAPTOR
BRASS

Product Code Size Bag Box

COUPLING/SOCKET

N1010	10mm	10	2400
N1015	15mm	25	2000
N1022	22mm	10	700
N1028	28mm	10	300
N1035	35mm	5	150
N1042	42mm	5	125
N1054	54mm	2	60
N1067	67mm (Brazing)	1	40
N1076	76mm (Brazing)	1	25
N1108	108mm (Brazing)	1	10

SLIP COUPLING/SOCKET

N1S015	15mm	25	1200
N1S022	22mm	10	400
N1S028	28mm	10	300
N1S035	35mm	1	180
N1S042	42mm	1	100
N1S054	54mm	1	80

EQUAL TEE

N24010	10mm	10	1600
N24015	15mm	25	800
N24022	22mm	10	300
N24028	28mm	10	150
N24035	35mm	5	80
N24042	42mm	5	50
N24054	54mm	2	24
N24067	67mm (Brazing)	1	15
N24076	76mm (Brazing)	1	10
N24108	108mm (Brazing)	1	4

END CAP/STOP END

N61010	10mm	100	2000
N61015	15mm	25	1800
N61022	22mm	10	1000
N61028	28mm	10	500
N61035	35mm	5	250
N61042	42mm	5	150
N61054	54mm	2	120

Product Code Size Bag Box

90 DEGREE ELBOW

N12010	10mm	25	4000
N12015	15mm	25	1500
N12022	22mm	25	500
N12028	28mm	10	200
N12035	35mm	5	125
N12042	42mm	5	70
N12054	54mm	2	40
N12067	67mm (Brazing)	1	20
N12076	76mm (Brazing)	1	20
N12108	108mm (Brazing)	1	5

90 DEGREE STREET ELBOW

N12S015	15mm	25	1400
N12S022	22mm	10	450
N12S028	28mm	10	240
N12S035	35mm	5	125
N12S042	42mm	5	80
N12S054	54mm	2	40

45 DEGREE ELBOW

N21015	15mm	25	1500
N21022	22mm	10	500
N21028	28mm	10	300
N21035	35mm	5	125
N21042	42mm	5	100
N21054	54mm	2	40

45 DEGREE STREET ELBOW

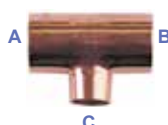
N21S015	15mm	25	1200
N21S022	22mm	10	500
N21S028	28mm	10	300
N21S035	35mm	5	125
N21S042	42mm	5	80
N21S054	54mm	2	42



Product Code Size Bag Box

INSERT REDUCER (A x B)

N6015008	15mm x 8mm	25	2000
N6015010	15mm x 10mm	25	1800
N6022015	22mm x 15mm	10	800
N6028015	28mm x 15mm	10	400
N6028022	28mm x 22mm	10	300
N6035015	35mm x 15mm	5	200
N6035022	35mm x 22mm	5	200
N6035028	35mm x 28mm	5	150
N6042015	42mm x 15mm	5	150
N6042022	42mm x 22mm	5	125
N6042028	42mm x 28mm	5	125
N6042035	42mm x 35mm	2	100
N6054015	54mm x 15mm	2	100
N6054022	54mm x 22mm	2	100
N6054028	54mm x 28mm	2	100
N6054035	54mm x 35mm	2	100
N6054042	54mm x 42mm	2	80



Product Code Size Bag Box

REDUCING TEES (A X B X C)

Reducing Branch Tee			
N25022015	22mm x 22mm x 15mm	10	300
N25028015	28mm x 28mm x 15mm	10	150
N25028022	28mm x 28mm x 22mm	10	150
N25035015	35mm x 35mm x 15mm	5	125
N25035022	35mm x 35mm x 22mm	5	125
N25035028	35mm x 35mm x 28mm	5	100
N25042015	42mm x 42mm x 15mm	5	50
N25042022	42mm x 42mm x 22mm	5	50
N25042028	42mm x 42mm x 28mm	5	60
N25042035	42mm x 42mm x 35mm	5	50
N25054015	54mm x 54mm x 15mm	2	40
N25054022	54mm x 54mm x 22mm	2	40
N25054028	54mm x 54mm x 28mm	2	40
N25054035	54mm x 54mm x 35mm	2	40
N25054042	54mm x 54mm x 42mm	2	40



REDUCING COUPLING/SOCKET (A x B)

N1R022015	22mm x 15mm	10	800
N1R028015	28mm x 15mm	10	500
N1R028022	28mm x 22mm	10	400
N1R035022	35mm x 22mm	5	200
N1R035028	35mm x 28mm	5	240

Reducing End Tee			
N26022015022	22mm x 15mm x 22mm	10	300
N26028015028	28mm x 15mm x 28mm	10	150
N26028022028	28mm x 22mm x 28mm	10	150
N26035015035	35mm x 15mm x 35mm	5	100
N26035022035	35mm x 22mm x 35mm	5	100
N26035028035	35mm x 28mm x 35mm	5	100

Reducing End & Branch Tee			
N27022015015	22mm x 15mm x 15mm	10	400
N27028015015	28mm x 15mm x 15mm	10	200
N27028022015	28mm x 22mm x 15mm	10	150
N27028022022	28mm x 22mm x 22mm	10	150
N27035022022	35mm x 22mm x 22mm	5	100
N27035028022	35mm x 28mm x 22mm	5	100
N27035028028	35mm x 28mm x 28mm	5	100
N27042028028	42mm x 28mm x 28mm	5	50
N27042035035	42mm x 35mm x 35mm	5	50
N27054042042	54mm x 42mm x 42mm	2	40

Bullnose Tee			
N28015022	15mm x 15mm x 22mm	10	500
N28022028	22mm x 22mm x 28mm	10	250

FITTINGS

End Feed



Product Code Size Bag Box

CROSSTOVERS

N22015	15mm Partial	5	400
N22022	22mm Partial	5	150
N23015	15mm Full	5	400
N23022	22mm Full	5	150



Product Code Size Bag Box

FEMALE IRON ELBOW

N14015	15mm x 1/2"	10	400
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TAP CONNECTOR

N62015	15mm x 1/2" Straight	10	800
N62015020	15mm x 3/4" Straight	10	600
N62022	22mm x 3/4" Straight	10	400
N63015	15mm x 1/2" Bent	10	900
N63022	22mm x 3/4" Bent	10	300



WALLPLATE FEMALE IRON ELBOW

N15015	15mm x 1/2"	10	400
N15022	22mm x 3/4"	10	150



IMPERIAL/METRIC ADAPTOR

N11M022	22mm x 3/4" Coupling	10	600
N11M028	28mm x 1" Coupling	10	250



FEMALE BRANCH TEE

N30015	15mm x 15mm x 1/2"	10	250
N30R022015	22mm x 22mm x 1/2"	10	150
N30022	22mm x 22mm x 3/4"	10	200
N30R028015	28mm x 28mm x 1/2"	10	150
N30028	28mm x 28mm x 1"	10	100



MALE IRON ADAPTOR

N3015	15mm x 1/2"	25	600
N3022	22mm x 3/4"	10	400
N3028	28mm x 1"	10	300
N3035	35mm x 1.1/4"	5	150
N3042	42mm x 1.1/2"	5	100
N3054	54mm x 2"	2	50



AIR VENT CAP

N61AV015	15mm	10	500
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FEMALE IRON ADAPTOR

N2015	15mm x 1/2"	25	600
N2022	22mm x 3/4"	10	400
N2028	28mm x 1"	10	300
N2035	35mm x 1.1/4"	5	150
N2042	42mm x 1.1/2"	1	75
N2054	54mm x 2"	2	50



MALE UNION ADAPTOR

N69015	15mm x 1/2"	10	400
N69022	22mm x 3/4"	10	200
N69028	28mm x 1"	10	140
N69035	35mm x 1.1/4"	5	80
N69042	42mm x 1.1/2"	5	50
N69054	54mm x 2"	2	25



MALE IRON ELBOW

N13015	15mm x 1/2"	10	400
N13022	22mm x 3/4"	10	300
N13028	28mm x 1"	10	200

FITTINGS

End Feed Datasheet



54mm sample



ISO 9001
Quality
Management
Systems
CERTIFIED

ISO 14001
Environmental
Management
CERTIFIED



Working Temperatures and Pressure

Service Temperature*				
Size	Min -40°C	30°C	65°C	Max 110°C
8mm to 28mm	25 bar	25 bar	25 bar	16 bar
35mm to 54mm	25 bar	25 bar	16 bar	10 bar
67mm	16 bar	16 bar	16 bar	10 bar

*Fittings performance when correctly assembled with EN1057 copper tube using tin/copper soft solder EN 29453 or tin/silver soft solder EN 29453

Service Temperature**						
Size	Min -196°C	65°C	120°C	150°C	175°C	Max 200°C
8mm	62.5 bar	62.5 bar	58.8 bar	46.7 bar	35.5 bar	23.3 bar
10mm	50.9 bar	50.9 bar	47.9 bar	38.0 bar	28.9 bar	19.0 bar
12mm	42.9 bar	42.9 bar	40.3 bar	32.0 bar	24.3 bar	16.0 bar
15mm	40.3 bar	40.3 bar	37.9 bar	30.1 bar	22.8 bar	15.0 bar
22mm	35.6 bar	35.6 bar	33.5 bar	26.6 bar	20.2 bar	13.3 bar
28mm	28.2 bar	28.2 bar	26.5 bar	21.1 bar	16.0 bar	10.5 bar
35mm	25.2 bar	25.2 bar	23.7 bar	18.8 bar	14.3 bar	9.4 bar
42mm	23.2 bar	23.2 bar	21.8 bar	17.3 bar	13.1 bar	8.6 bar
54mm	19.8 bar	19.8 bar	18.6 bar	14.7 bar	11.2 bar	7.4 bar

** Max hydraulic working pressure for fittings when assembled with EN1057 copper tube using hard solder (brazing alloy) to EN 1044

Service Temperature***					
Size	Min -196°C	65°C	120°C	150°C	Max 200°C
67mm	18.6 bar	18.6 bar	17.5 bar	14.0 bar	6.9 bar
76mm	18.6 bar	18.6 bar	17.5 bar	14.0 bar	6.9 bar
108mm	17.2 bar	17.2 bar	16.2 bar	12.9 bar	6.4 bar
133mm	10.5 bar	10.5 bar	8.5 bar	7.7 bar	4.1 bar
159mm	11.7 bar	11.7 bar	9.7 bar	8.6 bar	4.6 bar

*** Max hydraulic working pressure for fittings when assembled with EN1057 copper tube using hard solder (brazing alloy) to EN 1044

Solder Ring

Our comprehensive range of CORE solder ring fittings contain an integral joint of lead-free solder. The pre-soldered fitting is heated to make an easy and effective connection without using additional solder. These are suitable for commercial, industrial and engineering applications. All our fittings comply with British and International standards, manufactured to BS EN 1254 under quality management standard ISO 9001:2015.

Dimensions

Equal fittings with uniform connections are singularly sized. e.g. 15mm.

Reduced fittings with two connections are displayed with the largest size first. e.g. 22 x 15mm.

How to Solder copper fittings

1. Cut tube square with the cutter or fine hack saw (32 tooth blade is recommended). Remove Burr.
2. Clean outside end of copper tube thoroughly with sand cloth or sandpaper equal depth of fitting. Leave no dark spots.
3. Clean inside of fitting carefully to tube stop with wire brush. Note: Sand cloth or sandpaper may also be used.
4. Using a brush, apply light uniform coat of soldering flux to the outside of the tube and inside of the fitting.
5. Slip tube into fitting to tube stop. Turn tube back and forth once or twice to distribute flux evenly.

6. Apply heat uniformly around the fitting with torch. When solder melts upon contact with heated fitting, the proper soldering temperature has been reached. Remove flame and feed solder slightly off centre at the bottom of the joint. Proceed across the bottom of the fitting and up to the top centre position. Return to the starting point, and then proceed up the incomplete side to the top, again, overlapping the solder metal. Wipe off surplus solder with a piece of cloth.

CAUTION: *Do not overheat the joint or direct the flame into the face of the fitting cup. Overheating could burn the flux, which will destroy its effectiveness and the solder will not enter the joint properly.*

Solder Ring to EN1254-1 and EN1254-4



COUPLING/SOCKET



90° ELBOW



EQUAL TEE



45° ELBOW



90° STREET ELBOW



END CAP



INSERT REDUCER



REDUCING COUPLING
C X C



REDUCING TEE



SLIP COUPLING/SOCKET



TAP CONNECTOR



MALE ADAPTOR



FEMALE ADAPTOR



MALE ELBOW



WALLPLATE
FEMALE ELBOW



FEMALE BRANCH TEE

Product Code Size Bag Box

COUPLING/SOCKET

LF1008	8mm	50	3000
LF1010	10mm	50	3000
LF1015	15mm	50	1800
LF1022	22mm	25	600
LF1028	28mm	25	350
LF1035	35mm	10	210
LF1042	42mm	5	100
LF1054	54mm	5	60



B



A

SLIP COUPLING/SOCKETS

LF1S015	15mm	50	1800
LF1S022	22mm	25	600
LF1S028	28mm	10	350



90 DEGREE ELBOW

LF12008	8mm	50	1800
LF12010	10mm	50	1800
LF12015	15mm	50	1200
LF12022	22mm	25	400
LF12028	28mm	20	200
LF12035	35mm	10	120
LF12042	42mm	5	70
LF12054	54mm	2	36



A



B

90 DEGREE STREET ELBOW

LF12S015	15mm	25	1200
LF12S022	22mm	25	400
LF12S028	28mm	10	200



45 DEGREE ELBOW

LF21015	15mm	50	1400
LF21022	22mm	25	450
LF21028	28mm	20	220
LF21035	35mm	10	140
LF21042	42mm	5	80
LF21054	54mm	2	40



EQUAL TEE

LF24015	15mm	25	600
LF24022	22mm	20	240
LF24028	28mm	10	120
LF24035	35mm	5	60
LF24042	42mm	5	50
LF24054	54mm	2	24



END CAP/STOP END

LF61015	15mm	50	2200
LF61022	22mm	50	1000
LF61028	28mm	25	500
LF61035	35mm	10	250
LF61042	42mm	5	150
LF61054	54mm	2	120



Product Code Size Bag Box

INSERT REDUCER (A x B)

LF6015008	15mm x 8mm	25	1800
LF6015010	15mm x 10mm	25	1800
LF6022015	22mm x 15mm	25	900
LF6028015	28mm x 15mm	25	500
LF6028022	28mm x 22mm	25	500
LF6035015	35mm x 15mm	25	400
LF6035022	35mm x 22mm	25	300
LF6035028	35mm x 28mm	15	240
LF6042015	42mm x 15mm	10	250
LF6042022	42mm x 22mm	10	200
LF6042028	42mm x 28mm	10	200
LF6042035	42mm x 35mm	10	140
LF6054015	54mm x 15mm	5	120
LF6054022	54mm x 22mm	5	120
LF6054028	54mm x 28mm	5	100
LF6054035	54mm x 35mm	5	100
LF6054042	54mm x 42mm	5	100

REDUCING COUPLING (A x B)

LF1R022015	22mm x 15mm	50	800
LF1R028015	28mm x 15mm	25	600
LF1R028022	28mm x 22mm	25	350
LF1R042035	42mm x 35mm	5	120

REDUCING TEES (A x B x C)

Reducing Branch Tee			
LF25022015	22mm x 22mm x 15mm	20	300
LF25028015	28mm x 28mm x 15mm	10	160
LF25028022	28mm x 28mm x 22mm	10	150
LF25035015	35mm x 35mm x 15mm	5	100
LF25035022	35mm x 35mm x 22mm	5	95
LF25035028	35mm x 35mm x 28mm	5	95
LF25042015	42mm x 42mm x 15mm	5	80
LF25042022	42mm x 42mm x 22mm	5	80
LF25042028	42mm x 42mm x 28mm	5	65
LF25042035	42mm x 42mm x 35mm	3	45
LF25054015	54mm x 54mm x 15mm	3	45
LF25054022	54mm x 54mm x 22mm	3	45
LF25054028	54mm x 54mm x 28mm	3	45
LF25054035	54mm x 54mm x 35mm	3	30
LF25054042	54mm x 54mm x 42mm	3	30

Reducing End Tee

LF26022015	22mm x 15mm x 22mm	20	320
LF26028015	28mm x 15mm x 28mm	10	150
LF26028022	28mm x 22mm x 28mm	10	150

Reducing End and Branch Tee

LF27022015015	22mm x 15mm x 15mm	20	320
LF27028022015	28mm x 22mm x 15mm	10	200
LF27028022022	28mm x 22mm x 22mm	10	200

Bullnose Tee

LF28015022	15mm x 15mm x 22mm	20	400
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FITTINGS

Solder Ring



Product Code Size Bag Box

TAP CONNECTOR

LF62015	15mm x 1/2" Straight	25	600
LF62015020	15mm x 3/4" Straight	25	300
LF62022	22mm x 3/4" Straight	25	200
LF63015	15mm x 1/2" Bent	25	600
LF63022	22mm x 3/4" Bent	25	200



MALE ADAPTOR

LF3015	15mm x 1/2" Straight	25	600
LF3022	22mm x 3/4" Straight	25	400
LF3028	28mm x 1" Straight	10	300
LF3035	35mm x 1.1/4" Straight	5	150
LF3042	42mm x 1.1/2" Straight	5	100
LF3054	54mm x 2" Straight	2	70



FEMALE ADAPTOR

LF2015	15mm x 1/2"	25	600
LF2022	22mm x 3/4"	25	400
LF2028	28mm x 1"	10	300
LF2035	35mm x 1.1/4"	5	150
LF2042	42mm x 1.1/2"	5	100
LF2054	54mm x 2"	2	70



Product Code Size Bag Box

MALE ELBOW

LF13015	15mm x 1/2"	25	400
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WALLPLATE FEMALE ELBOW

LF15015	15mm x 1/2"	25	400
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FEMALE BRANCH TEE

LF30015	15mm x 1/2"	25	400
LF30R022015	22mm x 1/2"	10	250
LF30R028015	28mm x 1/2"	5	120



FITTINGS

Solder Ring Datasheet



Working Temperatures and Pressure

Service Temperature				
Size	Min -40°C	30°C	65°C	Max 110°C
8mm to 54mm	16 bar	16 bar	10 bar	6 bar

CORE copper Solder Ring fittings contain lead-free solder and are available from 8mm to 54mm. This range is manufactured to and complies with EN 1254-1.

Suitable for use with EN 1057 copper tube.

Certification

Please refer to the certification section of our website for details of our accreditation.

Compression and DZR

Our comprehensive range of compression fittings is manufactured to the highest standard in the UK and complies with EN1254-2, providing the reliability, quality, and affordability that our installers and consultants demand.

Compression fittings are designed to join copper pipe and create a mechanical joint upon tightening the nut. They are suitable for hot and cold water services, heating installations, fuel services and industrial engineering applications. The range includes standard brass fittings, chrome-plated fittings and dezincification resistant (DZR) fittings.

Dimensions

Equal fittings with uniform connections are singularly sized. e.g. 15mm.

Reduced fittings with two connections are displayed with the largest size first. e.g. 22 x 15mm.

How to install Compression fittings

Preliminary Information:

- A. The correct tube and fitting should be selected
- B. The sealing surfaces of the tube and fitting, including threads, should be clean and free from damage or contamination
- C. Application of a light oil to the threads can be helpful when using 35mm-54mm fittings

Assembly Preparation:

- A. Cut the tube square using a clean rotary cutter. If other cutting methods are used, such as a saw or hacksaw, use a clean, fine-toothed blade
- B. All burrs must be removed from the tube using a fine-toothed file or a deburring tool
- C. Ensure the copper tube is clean, not damaged or oval

Assembling the Fitting and Tube:

- A. Remove the nut and olive from the fitting
- B. Put the nut and olive onto the tube
- C. Insert the tube into the fitting, ensuring it is up to the tube stop

- D. Move the olive and nut down the tube to meet the threads of the fitting
- E. Hand tighten the nut to the fitting
- F. The nut should then be tightened with a spanner

Further Installation Details:

- In rare cases there can be a small weep from the joint. If this is the case the nut can be removed, and an approved jointing compound applied to the sealing face before re-tightening the nut. It is also possible to apply PTFE tape to the threads instead
- Ensure the nut is not overtightened. If in doubt, please contact us
- In normal operating conditions, after hand tightening the nut, the number of turns required to form a robust joint would be:
 - i. 10-28mm 1 turn
 - ii. 35-54mm $\frac{3}{4}$ turn

DZR

CORE DZR compression are non-manipulative, dezincification resistant fittings. The DZR alloy is manufactured to stop stress corrosion cracking. The range is suitable for various applications such as central heating systems, chilled water and compressed air lines. They are designed for the jointing of copper tubes to BS EN 1057 copper tube, grades R250 and R290.

Compression to EN1254-2



COUPLING/SOCKET



MALE ADAPTOR



FEMALE ADAPTOR



REDUCING COUPLING/SOCKET



90° ELBOW



MALE ELBOW



FEMALE ELBOW



EQUAL TEE



END CAP/STOP END



OLIVES - COPPER



OLIVES - BRASS



COUPLING/SOCKET



MALE ADAPTOR



FEMALE ADAPTOR



90° ELBOW



MALE ELBOW



FEMALE ELBOW



WALLPLATE FEMALE ELBOW



EQUAL TEE



REDUCING TEE



FEMALE BRANCH TEE



END CAP/STOP END



REDUCING SETS

Compression DZR to EN1254-2



COUPLING/SOCKET



MALE ADAPTOR



FEMALE ADAPTOR



REDUCING COUPLING/SOCKET



90° ELBOW



MALE ELBOW



FEMALE ELBOW



WALLPLATE FEMALE ELBOW



TAP CONNECTOR



EQUAL TEE



REDUCING TEES



FEMALE BRANCH TEE



END CAP/STOP END



REDUCING SETS

FITTINGS

Brass Compression



Product Code	Size	Bag	Box
COUPLING/SOCKET			
CF610015	15mm	10	100
CF610022	22mm	10	150
CF610028	28mm	10	70
CF610035	35mm	5	45
CF610042	42mm	2	18
CF610054	54mm	1	24



MALE ADAPTOR			
CF911010008	10mm x 1/4"	20	700
CF911015008	15mm x 1/4"	10	150
CF911015010	15mm x 3/8"	10	300
CF611015	15mm x 1/2"	10	300
CF611015020	15mm x 3/4"	10	200
CF911022015	22mm x 1/2"	10	150
CF611022	22mm x 3/4"	10	140
CF611022025	22mm x 1"	10	150
CF611028	28mm x 1"	10	140
CF611035	35mm x 1.1/4"	5	50
CF611042	42mm x 1.1/2"	2	36
CF611054	54mm x 2"	1	24



FEMALE ADAPTOR			
CF912010008	10mm x 1/4"	20	240
CF612015	15mm x 1/2"	10	300
CF612015020	15mm x 3/4"	10	250
CF612022015	22mm x 1/2"	10	150
CF612022	22mm x 3/4"	10	150
CF612028	28mm x 1"	10	40
CF612035	35mm x 1.1/4"	5	25
CF612042	42mm x 1.1/2"	2	20
CF612054	54mm x 2"	1	9



REDUCING COUPLING/SOCKET			
CF610015010	15mm x 10mm	10	110
CF910015012	15mm x 12mm	10	120
CF910028022	28mm x 22mm	10	100



90 DEGREE ELBOW			
CF915008	8mm	20	400
CF915010	10mm	20	350
CF615015	15mm	10	200
CF615022	22mm	10	120
CF615028	28mm	10	60
CF615035	35mm	5	30



MALE ELBOW			
CF616015	15mm x 1/2"	10	200
CF916015020	15mm x 3/4"	10	70
CF616022	22mm x 3/4"	10	110
CF616028	28mm x 1"	5	50
CF616035	35mm x 1.1/4"	5	25



FEMALE ELBOW			
CF617015	15mm x 1/2"	10	100
CF917015020	15mm x 3/4"	10	150
CF617022	22mm x 3/4"	10	100



EQUAL TEE			
CF918008	8mm	20	300
CF918010	10mm	20	300
CF618015	15mm	10	150
CF618022	22mm	10	30
CF618028	28mm	5	35
CF618035	35mm	5	15
CF618042	42mm	2	16
CF618054	54mm	1	8



END CAP/STOP END			
CF651015	15mm	10	400
CF651022	22mm	10	250
CF651028	28mm	10	150
CF651035	35mm	5	40



OLIVES (COPPER)			
CF978B015C	15mm	250	4000
CF978B022C	22mm	100	1000
CF978B028C	28mm	50	800
CF978B035C	35mm	50	500
CF978B042C	42mm	50	250
CF978B054C	54mm	25	75



OLIVES (BRASS)			
CF978B010	10mm	400	8000
CF978B015	15mm	250	4000
CF978B022	22mm	100	2000
CF978B028	28mm	50	1000
CF978B035	35mm	50	500
CF978B042	42mm	10	100
CF978B054	54mm	10	150

FITTINGS

Chrome Plated Compression

	Product Code	Size	Bag	Box
	COUPLING/SOCKET			
	CF910CP015	15mm	25	100
	CF910CP022	22mm	10	100
	CF910CP028	28mm	10	100
	CF910CP035	35mm	5	45
	CF910CP042	42mm	2	36
	CF910CP054	54mm	1	24

	Product Code	Size	Bag	Box
	EQUAL TEE			
	CF918CP015	15mm	10	150
	CF918CP022	22mm	10	30
	CF918CP028	28mm	5	35
	CF918CP035	35mm	5	20
	CF918CP042	42mm	1	15
	CF918CP054	54mm	1	8

	Product Code	Size	Bag	Box
	MALE ADAPTOR			
	CF911CP015	15mm x 1/2"	10	300
	CF911CP022	22mm x 3/4"	10	150
	CF911CP028	28mm x 1"	10	100
	CF911CP035	35mm x 1.1/4"	5	50

	Product Code	Size	Bag	Box
	REDUCING TEES (A x B x C)			
	CF918EBCP022015015	22mm x 15mm x 15mm	10	50
	CF918BCP022015	22mm x 22mm x 15mm	10	50

	Product Code	Size	Bag	Box
	FEMALE ADAPTOR			
	CF912CP015	15mm x 1/2"	10	120
	CF912CP022	22mm x 3/4"	10	150

	Product Code	Size	Bag	Box
	FEMALE BRANCH TEE			
	CF930CP015	15mm x 15mm x 1/2"	10	100

	Product Code	Size	Bag	Box
	90 DEGREE ELBOW			
	CF915CP015	15mm	10	200
	CF915CP022	22mm	10	120
	CF915CP028	28mm	10	70
	CF915CP035	35mm	5	30
	CF915CP042	42mm	2	10

	Product Code	Size	Bag	Box
	END CAP/STOP END			
	CF951CP015	15mm	10	400
	CF951CP022	22mm	10	230
	CF951CP028	28mm	10	150
	CF951CP035	35mm	10	40

	Product Code	Size	Bag	Box
	MALE ELBOW			
	CF916CP015	15mm x 1/2"	10	200

	Product Code	Size	Bag	Box
	REDUCING SETS			
	CF948CP022015	22mm x 15mm	10	500
	CF948CP028022	28mm x 22mm	10	100
	CF948CP035028	35mm x 28mm	5	130

	Product Code	Size	Bag	Box
	FEMALE ELBOW			
	CF917CP015	15mm x 1/2"	10	170

	Product Code	Size	Bag	Box
	WALLPLATE FEMALE ELBOW			
	CF917WCP015	15mm x 1/2"	10	100

Product Code Size Bag Box

COUPLING/SOCKET

CF910010	10mm	20	200
CF910015	15mm	10	300
CF910022	22mm	10	140
CF910028	28mm	10	70
CF910035	35mm	5	45
CF910042	42mm	2	36
CF910054	54mm	1	15

MALE ADAPTOR

CF911006008	6mm x 1/4"	20	500
CF911008	8mm x 1/4"	50	800
CF911010	10mm x 3/8"	25	600
CF911015	15mm x 1/2"	10	300
CF911015010	15mm x 3/8"	10	300
CF911015020	15mm x 3/4"	10	200
CF911022	22mm x 3/4"	10	160
CF911022025	22mm x 1"	10	150
CF911028	28mm x 1"	10	110
CF911028020	28mm x 3/4"	10	110
CF911035	35mm x 1.1/4"	5	50
CF911042	42mm x 1.1/2"	2	36
CF911054	54mm x 2"	1	24

FEMALE ADAPTOR

CF912015	15mm x 1/2"	10	300
CF912022	22mm x 3/4"	10	150
CF912022025	22mm x 1"	10	150
CF912028	28mm x 1"	10	80
CF912035	35mm x 1.1/4"	5	40
CF912042	42mm x 1.1/2"	2	40
CF912054	54mm x 2"	1	20

REDUCING COUPLING/SOCKET

CF910015010	15mm x 10mm	10	250
CF910022015	22mm x 15mm	10	150

90 DEGREE ELBOW

CF915015	15mm	10	250
CF915022	22mm	10	120
CF915028	28mm	10	60
CF915035	35mm	5	30
CF915042	42mm	2	20
CF915054	54mm	1	10

Product Code Size Bag Box

MALE ELBOW

CF916015	15mm x 1/2"	10	200
CF916022	22mm x 3/4"	10	110
CF916022025	22mm x 1"	10	70
CF916028	28mm x 1"	10	60
CF916035	35mm x 1.1/4"	5	30
CF916042	42mm x 1.1/2"	2	20
CF916054	54mm x 2"	1	18

FEMALE ELBOW

CF917015	15mm x 1/2"	10	170
CF917022	22mm x 3/4"	10	100
CF917022025	22mm x 1"	10	60
CF917028	28mm x 1"	10	60
CF917035	35mm x 1.1/4"	5	30
CF917042	42mm x 1.1/2"	2	18
CF917054	54mm x 2"	1	12

WALLPLATE FEMALE ELBOW

CF917W015	15mm x 1/2"	10	100
CF917W022	22mm x 3/4"	10	50

STRAIGHT SWIVEL TAP CONNECTOR

CF926015	15mm x 1/2"	10	150
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EQUAL TEE

CF918015	15mm	10	150
CF918022	22mm	10	60
CF918028	28mm	10	50
CF918035	35mm	5	20
CF918042	42mm	2	16
CF918054	54mm	1	7

REDUCING TEES (A x B x C)

CF918EB022015015	22mm x 15mm x 15mm	10	100
CF918E022015022	22mm x 15mm x 22mm	10	60
CF918B022015	22mm x 22mm x 15mm	10	80
CF918B028015	28mm x 28mm x 15mm	10	50
CF918B028022	28mm x 28mm x 22mm	10	50

FEMALE BRANCH TEE (A x B x C)

CF930015	15mm x 15mm x 1/2"	10	140
CF930022015	22mm x 22mm x 1/2"	10	80
CF930022020	22mm x 22mm x 3/4"	10	80

FITTINGS

DZR Compression

	Product Code	Size	Bag	Box		Product Code	Size	Bag	Box
	END CAP/STOP END					REDUCING SETS			
	CF951015	15mm	10	500		CF948010008	10mm x 8mm	20	1000
	CF951022	22mm	10	300		CF948015008	15mm x 8mm	20	1000
	CF951028	28mm	10	150		CF948015010	15mm x 10mm	20	1000
	CF951035	35mm	5	60		CF948015012	15mm x 12mm	20	1000
	CF951042	42mm	2	45		CF948022015	22mm x 15mm	10	500
	CF951054	54mm	1	35		CF948028015	28mm x 15mm	10	200
						CF948028022	28mm x 22mm	10	200
						CF948035015	35mm x 15mm	5	130
						CF948035022	35mm x 22mm	5	130
						CF948035028	35mm x 28mm	5	130
						CF948042015	42mm x 15mm	5	100
						CF948042022	42mm x 22mm	5	100
						CF948042028	42mm x 28mm	5	100
						CF948042035	42mm x 35mm	5	100
						CF948054015	54mm x 15mm	5	100
						CF948054022	54mm x 22mm	5	100
						CF948054028	54mm x 28mm	5	100
						CF948054035	54mm x 35mm	5	50
						CF948054042	54mm x 42mm	5	50





Working Temperatures and Pressure

Size	Service Temperature			
	Min -15°C	30°C	90°C	Max 120°C
15mm	20 bar	20 bar	10 bar	6 bar
22mm	20 bar	20 bar	10 bar	6 bar
28mm	20 bar	20 bar	10 bar	6 bar
35mm	16 bar	16 bar	7 bar	4 bar
42mm	16 bar	16 bar	7 bar	4 bar
54mm	16 bar	16 bar	7 bar	4 bar

CORE Compression fittings are manufactured to and comply with EN 1254-2.

Installation Instructions

Please refer to the Installation Instruction section of our website for details.

In normal operating conditions, after hand tightening the nut, the number of turns required to form a robust joint would be:

- o 10-28mm 1 turn
- o 35-54mm ¾ turn

The specific torque settings per size are as follows:

- 15mm 40Nm
- 22mm 60Nm
- 28mm 80Nm
- 35mm 100Nm
- 42mm 180Nm
- 54mm 240Nm

Certification

Please refer to the certification section of our website for details of our accreditation

VALVES

Covering key functions such as isolation, regulation, protection, pressure control, air venting, balancing and mixing, the CORE valves range supports a wide variety of heating, cooling and water systems. From everyday essentials such as ball valves and check valves to more specialist solutions, including pressure reducing valves and thermostatic mixing valves, CORE provides dependable products for both standard installations and more demanding applications, helping contractors and specifiers source reliable valve solutions from one trusted, readily available range.



Access all technical documents for the **Valves** range 24/7 by scanning this QR code.



VALVES

Ball

A comprehensive ball valve range with various connections, including screwed, compression and press ends, and available in materials such as brass and DZR brass.

All the ball valves within the CORE range are WRAS approved (CORE750 and CORE800 have EN331-approved options). Alternative lever colours and, in some instances, additional handle options, such as extended lever handles, are also available.

CORE 750

Product Code Size and Description Working Temp Range Max Pressure WRAS



CORE750008	8nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓
CORE750010	10nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓
CORE750015	15nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓
CORE750020	20nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓
CORE750025	25nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓
CORE750032	32nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓
CORE750040	40nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓
CORE750050	50nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓
CORE750065	65nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓
CORE750080	80nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓
CORE750100	100nb Ball Valve Yellow Lever EN331	-20°C to 60°C	5 Bar	✓



CORE750B015	15nb Ball Valve Blue Lever	-20°C to 140°C	40 Bar	✓
CORE750B020	20nb Ball Valve Blue Lever	-20°C to 140°C	40 Bar	✓
CORE750B025	25nb Ball Valve Blue Lever	-20°C to 140°C	40 Bar	✓
CORE750B032	32nb Ball Valve Blue Lever	-20°C to 140°C	40 Bar	✓
CORE750B040	40nb Ball Valve Blue Lever	-20°C to 140°C	40 Bar	✓
CORE750B050	50nb Ball Valve Blue Lever	-20°C to 140°C	40 Bar	✓



CORE750R015	15nb Ball Valve Red Lever	-20°C to 140°C	40 Bar	✓
CORE750R020	20nb Ball Valve Red Lever	-20°C to 140°C	40 Bar	✓
CORE750R025	25nb Ball Valve Red Lever	-20°C to 140°C	40 Bar	✓
CORE750R032	32nb Ball Valve Red Lever	-20°C to 140°C	40 Bar	✓
CORE750R040	40nb Ball Valve Red Lever	-20°C to 140°C	40 Bar	✓
CORE750R050	50nb Ball Valve Red Lever	-20°C to 140°C	40 Bar	✓



CORE750EXTB015	15nb Ball Valve Extended Spindle Blue Lever	-20°C to 140°C	40 Bar	
CORE750EXTB020	20nb Ball Valve Extended Spindle Blue Lever	-20°C to 140°C	40 Bar	
CORE750EXTB025	25nb Ball Valve Extended Spindle Blue Lever	-20°C to 140°C	40 Bar	
CORE750EXTB032	32nb Ball Valve Extended Spindle Blue Lever	-20°C to 140°C	40 Bar	
CORE750EXTB040	40nb Ball Valve Extended Spindle Blue Lever	-20°C to 140°C	40 Bar	
CORE750EXTB050	50nb Ball Valve Extended Spindle Blue Lever	-20°C to 140°C	40 Bar	



CORE750EXTR015	15nb Ball Valve Extended Spindle Red Lever	-20°C to 140°C	40 Bar	
CORE750EXTR020	20nb Ball Valve Extended Spindle Red Lever	-20°C to 140°C	40 Bar	
CORE750EXTR025	25nb Ball Valve Extended Spindle Red Lever	-20°C to 140°C	40 Bar	
CORE750EXTR032	32nb Ball Valve Extended Spindle Red Lever	-20°C to 140°C	40 Bar	
CORE750EXTR040	40nb Ball Valve Extended Spindle Red Lever	-20°C to 140°C	40 Bar	
CORE750EXTR050	50nb Ball Valve Extended Spindle Red Lever	-20°C to 140°C	40 Bar	

Please note: Only yellow handle options display temp & pressure information related to gas distribution

VALVES

Ball

CORE 800

Product Code	Size and Description	Working Temp Range	Max Pressure	WRAS
 CORE800Y015	15mm Comp Ball Valve Yellow Lever EN331	-10°C to 60°C	5 Bar	✓
CORE800Y022	22mm Comp Ball Valve Yellow Lever EN331	-10°C to 60°C	5 Bar	✓
CORE800Y028	28mm Comp Ball Valve Yellow Lever EN331	-10°C to 60°C	5 Bar	✓
CORE800Y035	35mm Comp Ball Valve Yellow Lever EN331	-10°C to 60°C	5 Bar	✓
CORE800Y042	42mm Comp Ball Valve Yellow Lever EN331	-10°C to 60°C	5 Bar	✓
CORE800Y054	54mm Comp Ball Valve Yellow Lever EN331	-10°C to 60°C	5 Bar	✓
 CORE800015	15mm Comp Ball Valve Blue Lever	-10°C to 110°C	25 Bar	✓
CORE800022	22mm Comp Ball Valve Blue Lever	-10°C to 110°C	25 Bar	✓
CORE800028	28mm Comp Ball Valve Blue Lever	-10°C to 110°C	25 Bar	✓
CORE800035	35mm Comp Ball Valve Blue Lever	-10°C to 110°C	25 Bar	✓
CORE800042	42mm Comp Ball Valve Blue Lever	-10°C to 110°C	25 Bar	✓
CORE800054	54mm Comp Ball Valve Blue Lever	-10°C to 110°C	25 Bar	✓
 CORE800R015	15mm Comp Ball Valve Red Lever	-10°C to 110°C	25 Bar	✓
CORE800R022	22mm Comp Ball Valve Red Lever	-10°C to 110°C	25 Bar	✓
CORE800R028	28mm Comp Ball Valve Red Lever	-10°C to 110°C	25 Bar	✓
CORE800R035	35mm Comp Ball Valve Red Lever	-10°C to 110°C	25 Bar	✓
CORE800R042	42mm Comp Ball Valve Red Lever	-10°C to 110°C	25 Bar	✓
CORE800R054	54mm Comp Ball Valve Red Lever	-10°C to 110°C	25 Bar	✓

Please note: Only yellow handle options display temp & pressure information related to gas distribution

CORE 171AC Features - Material: DZR brass - Connection: Compression ends (BS EN 1254-2 (1998)) - Application: LTHW, CHW & potable water - Sizes: 15 - 54mm - PN25 - Anti-blow-out stem - Full bore  	CORE 800 Features - Material: Brass nickel plate - Connection: Compression - Application: LTHW, potable water & gas - Sizes: 15 - 54mm - PN25 - Anti-blow-out stem - PTFE seats & seals - Full bore  	CORE 171AP Features - Material: DZR brass - Connection: Press (M & V press 15 - 35mm. Dedicated M profile 42 & 54mm) - Application: LTHW, CHW & potable water - Sizes: 15 - 54mm - PN24 (DN15) - PN20 (DN22 & DN28) - PN17 (DN35 - DN54) - Full bore  
CORE 171A Features - Material: DZR brass - Connection: Screwed BSP taper ends (ISO 7/1) or NPT (ANSI B1.20.1) - Application: LTHW, CHW & potable water - Sizes: 15 - 50mm - PN40 - Anti-blow-out stem - Full bore  	CORE 750 Features - Material: Brass nickel plated - Connection: Screwed BSP parallel (ISO 228/1) - Application: LTHW, potable water & gas - Sizes: 15 - 50mm - PN40 - Anti-blow-out stem - Full bore  	CORE 750 EXT Features - Material: Brass nickel plated - Connection: Screwed BSP parallel (ISO 228/1) - Application: LTHW, potable water & gas - Sizes: 15 - 50mm - PN40 - Anti-blow-out stem - Full bore - Thermal extension  

VALVES

Ball

CORE 171

	Product Code	Size and Description	Working Temp Range	Max Pressure	WRAS
	CORE171APB015	15mm DZR Press Fit Ends Ball Valve Blue Lever 55 (V & M Profile)	-10°C to 110°C	24 Bar	✓
	CORE171APB022	22mm DZR Press Fit Ends Ball Valve Blue Lever 55 (V & M Profile)	-10°C to 110°C	20 Bar	✓
	CORE171APB028	28mm DZR Press Fit Ends Ball Valve Blue Lever 55 (V & M Profile)	-10°C to 110°C	20 Bar	✓
	CORE171APB035	35mm DZR Press Fit Ends Ball Valve Blue Lever 55 (V & M Profile)	-10°C to 110°C	17 Bar	✓
	CORE171APB042	42mm DZR Press Fit Ends Ball Valve Blue Lever 55 ('M' Profile only)	-10°C to 110°C	17 Bar	✓
	CORE171APB054	54mm DZR Press Fit Ends Ball Valve Blue Lever 55 ('M' Profile only)	-10°C to 110°C	17 Bar	✓
	CORE171APR015	15mm DZR Press Fit Ends Ball Valve Red Lever 55 (V & M Profile)	-10°C to 110°C	24 Bar	✓
	CORE171APR022	22mm DZR Press Fit Ends Ball Valve Red Lever 55 (V & M Profile)	-10°C to 110°C	20 Bar	✓
	CORE171APR028	28mm DZR Press Fit Ends Ball Valve Red Lever 55 (V & M Profile)	-10°C to 110°C	20 Bar	✓
	CORE171APR035	35mm DZR Press Fit Ends Ball Valve Red Lever 55 (V & M Profile)	-10°C to 110°C	17 Bar	✓
	CORE171APR042	42mm DZR Press Fit Ends Ball Valve Red Lever 55 ('M' Profile only)	-10°C to 110°C	17 Bar	✓
	CORE171APR054	54mm DZR Press Fit Ends Ball Valve Red Lever 55 ('M' Profile only)	-10°C to 110°C	17 Bar	✓
	CORE171AP015	15mm DZR Press Fit Ends Ball Valve Black Lever 55 (V & M Profile)	-10°C to 110°C	24 Bar	✓
	CORE171AP022	22mm DZR Press Fit Ends Ball Valve Black Lever 55 (V & M Profile)	-10°C to 110°C	20 Bar	✓
	CORE171AP028	28mm DZR Press Fit Ends Ball Valve Black Lever 55 (V & M Profile)	-10°C to 110°C	20 Bar	✓
	CORE171AP035	35mm DZR Press Fit Ends Ball Valve Black Lever 55 (V & M Profile)	-10°C to 110°C	17 Bar	✓
	CORE171AP042	42mm DZR Press Fit Ends Ball Valve Black Lever 55 ('M' Profile only)	-10°C to 110°C	17 Bar	✓
	CORE171AP054	54mm DZR Press Fit Ends Ball Valve Black Lever 55 ('M' Profile only)	-10°C to 110°C	17 Bar	✓
	CORE171A015	15nb DZR Blue Lever Ball Valve 50	-20°C to 130°C	40 Bar	✓
	CORE171A020	20nb DZR Blue Lever Ball Valve 50	-20°C to 130°C	40 Bar	✓
	CORE171A025	25nb DZR Blue Lever Ball Valve 50	-20°C to 130°C	40 Bar	✓
	CORE171A032	32nb DZR Blue Lever Ball Valve 50	-20°C to 130°C	40 Bar	✓
	CORE171A040	40nb DZR Blue Lever Ball Valve 50	-20°C to 130°C	40 Bar	✓
	CORE171A050	50nb DZR Blue Lever Ball Valve 50	-20°C to 130°C	40 Bar	✓
	CORE171AC015	15mm DZR Blue Lever Comp Ball Valve 59	-10°C to 110°C	25 Bar	✓
	CORE171AC022	22mm DZR Blue Lever Comp Ball Valve 59	-10°C to 110°C	25 Bar	✓
	CORE171AC028	28mm DZR Blue Lever Comp Ball Valve 59	-10°C to 110°C	25 Bar	✓
	CORE171AC035	35mm DZR Blue Lever Comp Ball Valve 59	-10°C to 110°C	25 Bar	✓
	CORE171AC042	42mm DZR Blue Lever Comp Ball Valve 59	-10°C to 110°C	25 Bar	✓
	CORE171AC054	54mm DZR Blue Lever Comp Ball Valve 59	-10°C to 110°C	25 Bar	✓

LOCKING DEVICE

Product Code Size and Description



SBSBVLD1	Locking Device For 1/2" & 3/4" Ball Valve (To Suit CORE750 & 800)
SBSBVLD2	Locking Device For 1" Ball Valve (To Suit CORE750 & 800)
SBSBVLD3	Locking Device For 1.1/4" & 1.1/2" Ball Valve (To Suit CORE750 & 800)
SBSBVLD4	Locking Device For 2" Ball Valve (To Suit CORE750 & 800)

VALVES

Product Selector (Ball/Butterfly)

	CORE 171A DZR BRASS	CORE 171AC DZR BRASS	CORE 750 BRASS	CORE 800 BRASS	CORE 171AP DZR BRASS	CORE 140 Lugged PN16 Lever
						
Albion	ART 50	ART 59	ART 40	ART 89	ART 55PRS	ART 135
Crane	D171A	D171AC	N/A	N/A	D171A.PF	F624 (WRAS) F628 (Non-WRAS)
Hattersley	100	100C	N/A	N/A	100.PF	970W
Oventrop	10790	N/A	10760	N/A	10771	10484
BOSS	965S	N/A	966S	968S	986P	16LSE
Jet	N/A	N/A	BBV21	BBV24	N/A	624
Pegler	PB550	PB350	PB700	PB300	PS550	V905 (G)
Herz	21900x	21904x	N/A	N/A	N/A	HV-BF-FLL (G)
IMI TA	421500008	421500002	N/A	N/A	N/A	42450037

Disclaimer: The information within this document is believed to be correct at the time of publication; however, the document is for guidance only. For complete accuracy, always check the product with a CORE representative. Missing information was either not available or disclosed. It is your responsibility to ensure that any product meets the necessary requirements. Any reliance placed upon this information will be totally at the user's risk.



VALVES

Butterfly & Gate

Butterfly

The CORE140 range is a lugged and tapped butterfly valve. It is an easy-to-operate isolation solution that can be utilised on many different applications, across multiple industries. The range is also WRAS approved, so it can be used on potable water applications. Some common uses include heating and ventilation systems, hot and chilled water supply, process applications and water treatment. The valve has an EPDM seal and a stainless steel 316 disc, with a maximum working pressure of up to 16 bar with lever and gear options available.



Product	Size	Pressure Rating	Connection Type	Operated	Working Temp Range	Max Pressure	WRAS
CORE140050	50nb	PN16	Flanged	Lever	-10°C to 110C	16 Bar	✓
CORE140065	65nb	PN16	Flanged	Lever	-10°C to 110C	16 Bar	✓
CORE140080	80nb	PN16	Flanged	Lever	-10°C to 110C	16 Bar	✓
CORE140100	100nb	PN16	Flanged	Lever	-10°C to 110C	16 Bar	✓
CORE140125	125nb	PN16	Flanged	Lever	-10°C to 110C	16 Bar	✓
CORE140150	150nb	PN16	Flanged	Lever	-10°C to 110C	16 Bar	✓
CORE140200	200nb	PN16	Flanged	Lever	-10°C to 110C	16 Bar	✓
CORE140250	250nb	PN16	Flanged	Lever	-10°C to 110C	16 Bar	✓
CORE140300	300nb	PN16	Flanged	Lever	-10°C to 110C	16 Bar	✓
CORE140G200	200nb	PN16	Flanged	Gear	-10°C to 110C	16 Bar	✓
CORE140G250	250nb	PN16	Flanged	Gear	-10°C to 110C	16 Bar	✓
CORE140G300	300nb	PN16	Flanged	Gear	-10°C to 110C	16 Bar	✓

Gate

CORE currently offers BSP brass screwed gate valves (½" to 4"), cast iron flanged gate valves (DN50 to DN300) and ductile iron resilient seat flanged gate valves (DN50 to DN300). Flanged options have a maximum pressure rating of 16 bar, with screwed options up to 20 bar. All are tested to the relevant British Standards.



Cast Iron (395)

Product Code	Size	Pressure Rating	Connection Type	Operation/Handle Type	Working Temp Range	Max Pressure
CORE395200HW	2"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE395250HW	2½"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE395300HW	3"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE395400HW	4"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE395500HW	5"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE395600HW	6"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE395800HW	8"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE3951000HW	10"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE3951200HW	12"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar



Ductile Iron Resilient Seat (391)

Product Code	Size	Pressure Rating	Connection Type	Operation/Handle Type	Working Temp Range	Max Pressure	WRAS
CORE391200HW	2"	PN16	Flanged	Handwheel	0°C to 80°C	16 Bar	✓
CORE391250HW	2.½"	PN16	Flanged	Handwheel	0°C to 80°C	16 Bar	✓
CORE391300HW	3"	PN16	Flanged	Handwheel	0°C to 80°C	16 Bar	✓
CORE391400HW	4"	PN16	Flanged	Handwheel	0°C to 80°C	16 Bar	✓
CORE391500HW	5"	PN16	Flanged	Handwheel	0°C to 80°C	16 Bar	✓
CORE391600HW	6"	PN16	Flanged	Handwheel	0°C to 80°C	16 Bar	✓
CORE391800HW	8"	PN16	Flanged	Handwheel	0°C to 80°C	16 Bar	✓
CORE3911000HW	10"	PN16	Flanged	Handwheel	0°C to 80°C	16 Bar	✓
CORE3911200HW	12"	PN16	Flanged	Handwheel	0°C to 80°C	16 Bar	✓



BSP Brass (630)

Product Code	Size	Pressure Rating	Connection Type	Operation/Handle Type	Working Temp Range	Max Pressure
CORE630050	½"	PN20	Screwed	Handwheel	-20°C to 170°C	20 Bar
CORE630075	¾"	PN20	Screwed	Handwheel	-20°C to 170°C	20 Bar
CORE630100	1"	PN20	Screwed	Handwheel	-20°C to 170°C	20 Bar
CORE630125	1.¼"	PN20	Screwed	Handwheel	-20°C to 170°C	20 Bar
CORE630150	1.½"	PN20	Screwed	Handwheel	-20°C to 170°C	20 Bar
CORE630200	2"	PN20	Screwed	Handwheel	-20°C to 170°C	20 Bar
CORE630250	2.½"	PN20	Screwed	Handwheel	-20°C to 170°C	20 Bar
CORE630300	3"	PN20	Screwed	Handwheel	-20°C to 170°C	20 Bar
CORE630400	4"	PN20	Screwed	Handwheel	-20°C to 170°C	20 Bar



Brass Compression

Product Code	Size	Connection Type	Operation/Handle Type	Working Temp Range	Max Pressure	WRAS
CF416015	15mm	Compression	Handwheel	-10°C to 90°C	16 Bar	✓
CF416022	22mm	Compression	Handwheel	-10°C to 90°C	16 Bar	✓
CF416028	28mm	Compression	Handwheel	-10°C to 90°C	16 Bar	✓



Brass Compression (c/w lockshield)

Product Code	Size	Connection Type	Operation/Handle Type	Working Temp Range	Max Pressure	WRAS
CF416LS015	15mm	Compression	Lockshield	-10°C to 90°C	16 Bar	✓
CF416LS022	22mm	Compression	Lockshield	-10°C to 90°C	16 Bar	✓
CF416LS028	28mm	Compression	Lockshield	-10°C to 90°C	16 Bar	✓

Globe Cast Iron (382)

CORE currently offers flange mounted (PN16) cast iron globe valves from DN50 (15.6kg) to DN300 (302kg), which all conform to EN13789.



Product Code	Size	Pressure Rating	Connection Type	Operation/Handle Type	Working Temp Range	Max Pressure
CORE382200HW	2"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE382250HW	2½"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE382300HW	3"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE382400HW	4"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE382500HW	5"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE382600HW	6"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE382800HW	8"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE3821000HW	10"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar
CORE3821200HW	12"	PN16	Flanged	Handwheel	-10°C to 230°C	16 Bar

Check

CORE currently offers check valves which conform to EN13959 & 1092 standards, depending on valve type, and the dual plate wafer & screwed double check valves are WRAS approved. The range currently consists of the following:

- **Dual plate wafer** – cast iron (DN50 to DN300)
- **Swing PN16** – cast iron (DN50 to DN300)
- **DZR brass single check valve** – compression (15mm)
- **DZR brass double check valve** – screwed (½" to 2") & compression (15 – 28mm)

Cast Iron Dual Plate Wafer (121)



Product Code	Size	Pressure Rating	Working Temp Range	Max Pressure	WRAS
CORE126200	2"	PN16	-10°C to 120°C	16 Bar	✓
CORE126250	2½"	PN16	-10°C to 120°C	16 Bar	✓
CORE126300	3"	PN16	-10°C to 120°C	16 Bar	✓
CORE126400	4"	PN16	-10°C to 120°C	16 Bar	✓
CORE126500	5"	PN16	-10°C to 120°C	16 Bar	✓
CORE126600	6"	PN16	-10°C to 120°C	16 Bar	✓
CORE126800	8"	PN16	-10°C to 120°C	16 Bar	✓
CORE1261000	10"	PN16	-10°C to 120°C	16 Bar	✓
CORE1261200	12"	PN16	-10°C to 120°C	16 Bar	✓

Please note: For WRAS applications temperature range is up to 85°C



Cast Iron Swing (492)

Product Code	Size	Connection Type	Working Temp Range	Max Pressure
CORE362200CV	2"	Flanged	-10°C to 230°C	16 Bar
CORE362250CV	2.½"	Flanged	-10°C to 230°C	16 Bar
CORE362300CV	3"	Flanged	-10°C to 230°C	16 Bar
CORE362400CV	4"	Flanged	-10°C to 230°C	16 Bar
CORE362500CV	5"	Flanged	-10°C to 230°C	16 Bar
CORE362600CV	6"	Flanged	-10°C to 230°C	16 Bar
CORE362800CV	8"	Flanged	-10°C to 230°C	16 Bar
CORE3621000CV	10"	Flanged	-10°C to 230°C	16 Bar
CORE3621200CV	12"	Flanged	-10°C to 230°C	16 Bar



Single Check

Product Code	Size	Connection Type	Working Temp Range	Max Pressure	WRAS
CF424WRAS015	15mm	Compression	-10°C to 85°C	10 Bar	✓



DZR Double Check

Product Code	Size	Connection Type	Working Temp Range	Max Pressure	WRAS
CF4424WRAS015	15mm	Compression	-10°C to 85°C	10 Bar	✓
CF4424WRAS022	22mm	Compression	-10°C to 85°C	10 Bar	✓
CF4424WRAS028	28mm	Compression	-10°C to 85°C	10 Bar	✓
CF4426WRAS015	½"	Screwed	-10°C to 85°C	16 Bar	✓
CF4426WRAS020	¾"	Screwed	-10°C to 85°C	16 Bar	✓
CF4426WRAS025	1"	Screwed	-10°C to 85°C	16 Bar	✓
CF4426WRAS032	1.¼"	Screwed	-10°C to 85°C	16 Bar	✓
CF4426WRAS040	1.½"	Screwed	-10°C to 85°C	16 Bar	✓
CF4426WRAS050	2"	Screwed	-10°C to 85°C	16 Bar	✓



Service

CORE service valves are marked for full traceability, supported by full warranty, and compliant with relevant British standards. Manufactured from high quality, robust brass material, the yellow brass range offers a wide array of products ideal for heating and hot and cold water applications.



Product Code	Size and Description	Working Temp Range	Max Pressure	WRAS
SVL015	15mm Chrome Plated Service Valve c/w Lever	0°C to 85°C	10 Bar	
SVA015	15 x 15 CP Cu x Cu Angled Service Valve	0°C to 85°C	10 Bar	
SVFBWRAS015	15mm CP *Full Bore* Service Valve	0°C to 85°C	16 Bar	✓
SVFBWRAS022	22mm CP *Full Bore* Service Valve	0°C to 85°C	16 Bar	✓
SVWRAS015	15mm CP L/P Service Valve CxC	0°C to 85°C	10 Bar	✓
SVWRAS022	22mm CP L/P Service Valve CxC	0°C to 85°C	10 Bar	✓
SVBWRAS015	15 x 1/2" CP Service Valve Bent Swivel	0°C to 85°C	10 Bar	✓
SVSWRAS015	15 x 1/2" CP Service Valve Str Swivel	0°C to 85°C	10 Bar	✓
BVHP015	15nb High Pressure Ball Valve Part 1	0°C to 85°C	14 Bar	
BVHP2015	15nb High Pressure Ball Valve Part 2	0°C to 85°C	14 Bar	
WMTWRAS015	15 x 3/4" Straight Washing M/C Tap	0°C to 85°C	10 Bar	✓
WMTWRAS015VAL	15 x 3/4" Straight Washing M/C Tap c/w Check Valve	0°C to 85°C	10 Bar	✓
WMTWRAS015ANG	15 x 3/4" Angled Washing Machine Tap	0°C to 85°C	10 Bar	✓

Stopcocks

The above ground stopcock range has both screwed (1/2" to 2") and compression ended (15 to 54mm) connection options. 15 to 28mm compression ended options are WRAS approved. Manufactured from high quality, robust brass material, the yellow brass range offers a wide array of products ideal for heating and hot and cold water applications. All are tested to the relevant British standards.



Brass Above Ground

Product Code	Size	Connection Type	Working Temp Range	Max Pressure
CF704015	1/2"	Screwed	0°C to 85°C	16 Bar
CF704020	3/4"	Screwed	0°C to 85°C	16 Bar
CF704025	1"	Screwed	0°C to 85°C	16 Bar
CF704040	1 1/4"	Screwed	0°C to 85°C	16 Bar
CF704032	1 1/2"	Screwed	0°C to 85°C	16 Bar
CF704050	2"	Screwed	0°C to 85°C	16 Bar



Brass Compression

Product Code	Size	Connection Type	Working Temp Range	Max Pressure	WRAS
CF551WRAS015	15mm	Compression	0°C to 85°C	16 Bar	✓
CF551WRAS022	22mm	Compression	0°C to 85°C	16 Bar	✓
CF551WRAS028	28mm	Compression	0°C to 85°C	16 Bar	✓
CF551035	35mm	Compression	0°C to 85°C	16 Bar	
CF551042	42mm	Compression	0°C to 85°C	16 Bar	
CF551054	54mm	Compression	0°C to 85°C	16 Bar	

Please note: Temp range at 16 Bar is 0-30°C and 10 Bar is 30-85°C

Strainers

CORE strainers can be used to remove any particulates or debris that may be present in a pipework system, helping to protect other types of equipment from damage. Our screwed BSP bronze Y strainer is WRAS-approved, tested to BS EN 12266 standards and classified in accordance with PED 2014/68/EU. Our cast iron Y strainer has been tested to BS EN1092 and BS EN558-1, and comes with circular drain ports on DN80 and above, square drain ports for DN50 and DN65.



Bronze Y Strainer (370)

Product Code	Size	Pressure Rating	ConnectionType	Working Temp Range	Max Pressure	WRAS
CORE370015	½"	PN20	Screwed	-10°C to 170°C	20 Bar	✓
CORE370020	¾"	PN20	Screwed	-10°C to 170°C	20 Bar	✓
CORE370025	1"	PN20	Screwed	-10°C to 170°C	20 Bar	✓
CORE370032	1¼"	PN20	Screwed	-10°C to 170°C	20 Bar	✓
CORE370040	1½"	PN20	Screwed	-10°C to 170°C	20 Bar	✓
CORE370050	2"	PN20	Screwed	-10°C to 170°C	20 Bar	✓



Cast Iron Y Strainers (374)

Product Code	Size	Pressure Rating	ConnectionType	Working Temp Range	Max Pressure	WRAS
CORE374WRAS200ST	2"	PN16	Flanged	-10°C to 85°C	16 Bar	✓
CORE374WRAS250ST	2½"	PN16	Flanged	-10°C to 85°C	16 Bar	✓
CORE374WRAS300ST	3"	PN16	Flanged	-10°C to 85°C	16 Bar	✓
CORE374WRAS400ST	4"	PN16	Flanged	-10°C to 85°C	16 Bar	✓
CORE374WRAS500ST	5"	PN16	Flanged	-10°C to 85°C	16 Bar	✓
CORE374WRAS600ST	6"	PN16	Flanged	-10°C to 85°C	16 Bar	✓
CORE374WRAS800ST	8"	PN16	Flanged	-10°C to 85°C	16 Bar	✓
CORE374WRAS1000ST	10"	PN16	Flanged	-10°C to 85°C	16 Bar	✓
CORE374WRAS1200ST	12"	PN16	Flanged	-10°C to 85°C	16 Bar	✓



Cast Iron Y Strainer (372)

Product Code	Size	Pressure Rating	ConnectionType	Working Temp Range	Max Pressure
CORE372200ST	2"	PN16	Flanged	-10°C to 230°C	16 Bar
CORE372250ST	2½"	PN16	Flanged	-10°C to 230°C	16 Bar
CORE372300ST	3"	PN16	Flanged	-10°C to 230°C	16 Bar
CORE372400ST	4"	PN16	Flanged	-10°C to 230°C	16 Bar
CORE372500ST	5"	PN16	Flanged	-10°C to 230°C	16 Bar
CORE372600ST	6"	PN16	Flanged	-10°C to 230°C	16 Bar
CORE372800ST	8"	PN16	Flanged	-10°C to 230°C	16 Bar
CORE3721000ST	10"	PN16	Flanged	-10°C to 230°C	16 Bar
CORE3721200ST	12"	PN16	Flanged	-10°C to 230°C	16 Bar

AAV

The CORE 508 automatic air release valves (AAV) automatically eliminate the air that can build up inside a heating system. The presence of air inside sealed heating systems can result in negative adversities that will affect the correct function and performance of the system.

The valve installation uses a PTM system (O-Ring seal) which allows a quick and safe installation, without the need for additional sealing materials like hemp or PTFE tape. The valve is supplied with a non-return/check valve to facilitate removal for servicing without the need to drain the system.



Product Code	Size and Description	Working Temp Range	Max Pressure
AD0050800012	1/2" Auto Air Vent c/w Check Valve	Up to 110°C	10 Bar

Test Plugs

The contents of a piping system may need checking at various points in the line; a test plug installed allows this to happen in a cost-effective solution. CORE test plugs have a brass body, cap and retaining ring with the cap seal made of neoprene rubber. They are suitable for hot water, chilled water and low-temperature steam (up to 135°C).

Specification

Thread	Length (inc. cap)	Max Probe Diameter
8mm (1/4") BSPT	38mm (75mm extended option)	4mm
15mm (1/2") BSPT	40mm (78mm extended option)	4mm

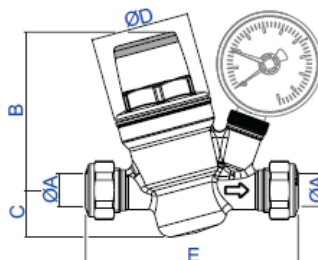


Product Code	Size and Description	Working Temp Range	Max Pressure
TPN008	1/4" Brass Test Point BEA100	-10°C to 120°C	35 Bar
TPNEXT008	1/4" Brass Extended Test Point BEA100EXT	-10°C to 120°C	35 Bar
TPN015	1/2" Brass Test Point EP15	-10°C to 120°C	35 Bar
TPNEXT015	1/2" Brass Extended Test Point EP15EX	-10°C to 120°C	35 Bar

PRV

The CORE Pressure Reducing Valves (PRV) comes complete with gauge and are WRAS approved and certified according to BS EN 1567 for operating with inlet water temperatures up to 80°C. Supplied complete with a pressure gauge with compression or screwed ends, complying with BS EN 1254-2 for use with R250 (half hard) copper tube.

Ø A	15mm	22mm
B	74.5mm	74.5mm
C	22mm	22mm
Ø D	46mm	46mm
E	100mm	100mm
Kg	0.50kg	0.55kg

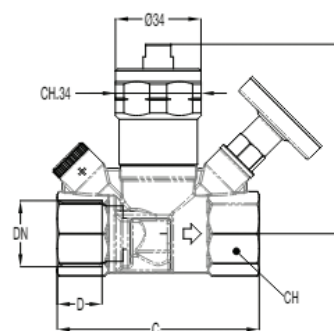


Product Code	Size	Working Temp Range	Max Pressure	Connection	WRAS
COREPRV015	15mm	Up to 80°C	16 Bar	Compression	✓
COREPRV022	22mm	Up to 80°C	16 Bar	Compression	✓
CPRVWRAS015	15nb	Up to 80°C	16 Bar	Screwed	✓
CPRVWRAS020	20nb	Up to 80°C	16 Bar	Screwed	✓
CPRVWRAS025	25nb	Up to 80°C	16 Bar	Screwed	✓
CPRVWRAS032	32nb	Up to 80°C	16 Bar	Screwed	✓
CPRVWRAS040	40nb	Up to 80°C	16 Bar	Screwed	✓
CPRVWRAS050	50nb	Up to 80°C	16 Bar	Screwed	✓

TBV

The CORE Thermostatic Balancing Valve (TBV) comes complete with gauge and is a WRAS-approved Anti-Legionella device that will help keep the temperature evenly distributed and reduce 'dead-legs'. The valve aims to improve the efficiency of DHW systems through automatic regulation and will reduce heat loss through lower circulation of hot water. The valve will automatically respond to changes in system temperature and flow requirements.

DN	1/2"	3/4"	1"
B	73mm	75mm	77mm
C	77mm	80mm	87mm
D	17mm	18.50mm	21mm
CH	25mm	31mm	38mm
Kg	0.49kg	0.55kg	0.65kg



Product Code	Size	Working Temp Range	Max Pressure	WRAS
CORETBV32015	15nb	40°C to 60°C	25 Bar	✓
CORETBV32020	20nb	40°C to 60°C	25 Bar	✓
CORETBV32025	25nb	40°C to 60°C	25 Bar	✓

	CORE 533 PRV	Albion 675 PRV	Reliance Predator	Intatec PRV	BOSS PRV 216
Product Code	COREPRV015	PRVCWRAS015022	PRED800015	INTPRV2233015	28110305 (BSS code)
	COREPRV022		PRED800022	INTPRV2233022	28110316 (BSS code)
Category	COREPRV	MISCVALVE	RELIANCE	INTATEC	N/A
Connections	Compression	Compression	Compression	Compression	Compression
Pressure Gauge	Included	Included	Optional	Optional	Separate
Material	DZR Brass Chrome Plated	DZR Brass Chrome Plated	DZR Brass	DZR Brass	Low Lead Brass Body, DZR Brass unions
Approvals	WRAS	WRAS	WRAS	WRAS	WRAS
Set Range	1 to 5.5 Bar	1 to 6 Bar	1 to 6 Bar	0.8 to 6 Bar	1 to 6 bar
Default Setting	3 Bar	3 Bar	3 Bar	3 Bar	not stated
Max Inlet Pressure	16 bar	16 bar	16 bar	16 bar	16 Bar
Max Working Temp	80°C	80°C	80°C	80°C	80°C

	CORE 32 TBV	Albion 32 TBV	Reliance TREG TBV	Altecnic 116 TBV	BOSS 206TD TBV
MPN	CORETBV32015	AATBV32050	TREG100060	116240	20520023
	CORETBV32020	AATBV32075	TREG100065	116250	20520034
	CORETBV32025	AATBV32100	Sharkbite version	116260	20520045
Connections	Female BSP	Female BSP	Female BSP/Sharkbite	Female BSP	Female BSP
Temperature Gauge	Included	Included	Included	Optional	Included
Material	DZR Brass CW602N	DZR Brass CW602N	DZR Brass	DZR Brass CW724R (Low Lead)	DZR Brass CW724R (Low Lead)
Approvals	WRAS	WRAS	WRAS	WRAS	WRAS
Anti Legionella Temp	70°C	70°C	70°C	70°C	70°C
Max Inlet Pressure	25 Bar (static)	25 Bar (static)	10 Bar (working)	16 Bar (working)	16 Bar (working)
Working Temp Range	40°C to 60°C	40°C to 60°C	40°C to 65°C	35°C to 60°C	35°C to 60°C
Max Temp	90°C	90°C	Not Stated	90°C	90°C
Other			Pre-Insulated	Removable Cartridge	Removable Cartridge

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VALVES

TMV & Product Selector

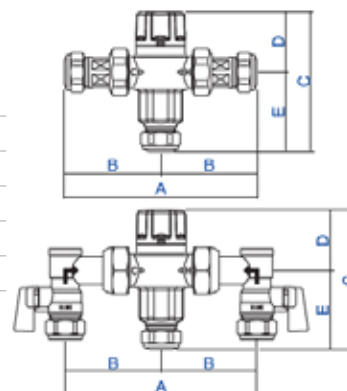
TMV

The CORE 5213 thermostatic mixing valve maintains the domestic hot water supplied to the user at a constant and safe temperature, when variations in the hot and cold water supply conditions and draw off flow rates occur. The fail-safe design shuts off the mixed water flow automatically in the event of disruption in the hot or cold water supply to the valve.

As an NSF-approved product, the CORE TMV is suitable for use within the NHS.



Product Size	A	B	C	D	E	Weight
15mm (2 in 1)	141mm	67.50mm	99mm	43mm	56mm	0.57kg
22mm (2 in 1)	150mm	75mm	100mm	43mm	57mm	0.79kg
15mm (4 in 1)	120mm	60mm	99mm	43mm	56mm	0.77kg
22mm (4 in 1)	136mm	68mm	100mm	43mm	57mm	1kg



Product Code	Size	Approval/Type	Working Temp Range	Max Pressure	WRAS
CORETMV015	15mm	TMV2/3 - 2 in 1	Up to 85°C	10 Bar	✓
CORETMV022	22mm	TMV2/3 - 2 in 1	Up to 85°C	10 Bar	✓
CORETMV015MX	15mm	TMV2/3 MX Valve - 4 in 1	Up to 85°C	10 Bar	✓
CORETMV022MX	22mm	TMV2/3 MX Valve - 4 in 1	Up to 85°C	10 Bar	✓

	CORE 5213 TMV	Albion 33 TMV	Reliance Easifit	Reliance Heatguard	Intatec 400CP	Pegler 402	BOSS TMV
Product Code	CORETMV015 CORETMV022 CORETMV015MX CORETMV022MX	SBSTMVWRAS015 SBSTMVWRAS022	EASYFIT015 EASYFIT022	HEAT110614 HEAT110624	INT40015CP INT40022CP	PEG402015 PEG402022	86345001 (BSS code) 86345012 (BSS code)
Category	CORETMV	MISCVALVE	RELIANCE	RELIANCE	INTATEC	PVTMV	n/a
Connections	Compression	Compression	Compression	Compression	Compression	Compression	Compression
Material	DZR Brass Chrome Plated	DZR Brass Chrome Plated	DZR Brass Chrome Plated	DZR Brass Nickel Plated	DZR Brass Nickel Plated	DZR Brass Chrome Plated	DZR Brass Chrome Plated
D 08	Yes	No	Yes	Yes	Yes	Yes	Yes
Max Static Pressure	10 Bar	10 Bar	10 Bar	10 Bar	10 Bar	12 Bar	10 Bar
Max Inlet Temp	85°C	65°C	85°C	85°C	85°C	85°C	85°C
Accuracy	±1-2%	±1-2%	±1-2%	±1-2%	±1-2%	±1-2%	±1-2%
Standards/Approvals	TMV 2 & 3 Reg 4 (WRAS) BS7942 NHS/DoH D 08	TMV 2 & 3 Reg 4 (WRAS)	TMV 2 & 3 Reg 4 (WRAS)	TMV 2 & 3 Reg 4 (WRAS) BS7942 NHS/DoH D 08	TMV 2 & 3 Reg 4 (WRAS) NHS/DoH D 08	TMV 2 & 3 Reg 4 (WRAS) NHS/DoH D 08	TMV 2 & 3 Reg 4 (WRAS) BS7942 NHS/DoH D 08
Max Pressure Differential	5:1	10:1	10:1	10:1	5:1	5:1	5:1

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Double Regulating

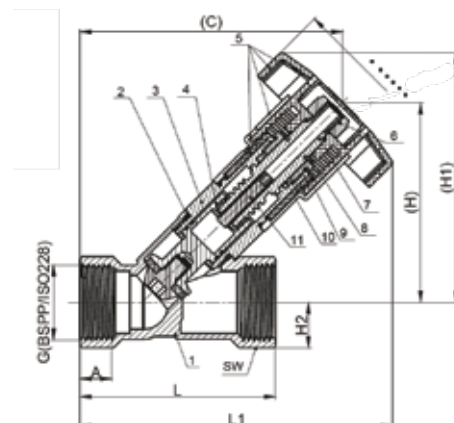
CORE Double Regulating valves are high-quality DZR Brass, manual balancing valves used in hydronic heating and cooling systems to control (regulate) flow through a circuit and Measure and balance that flow accurately. The range includes:

- **Variable Orifice (VODRV)** – DN15-DN50
- **Fixed Orifice (FODRV)** – DN15-DN50

Variable Orifice Double Regulating (VODRV) – CORE921

The CORE 921 Variable Orifice Double Regulating Valve is WRAS approved and designed to provide accurate flow regulation, balancing, and isolation within heating and chilled water systems. Manufactured for dependable performance and ease of operation, the valve features BSP parallel (ISO 228/1) connections, a handwheel shut-off for simple isolation, and a clear 360° reading scale for quick, precise on-site adjustment.

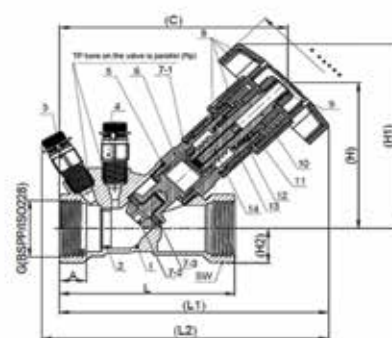
DN	15	20	25	32	40	50
L	68	75.5	86.5	107	125	138
L1	124.3	131.3	137.2	152.8	169.2	178.2
A	12.5	12.5	14.5	16.5	19	19.5
C	102	109.4	115.1	130.7	147	156
H	79.7	84.8	87.6	99.7	108.3	118.3
H1	101.8	107.3	109.8	121.8	130.5	140.5
H2	13.3	16.5	20.4	25	29.4	35
SW	25	31	38	47	55	66



Product Code	Size	Connection Type	Material	Working Temp Range	Max Pressure	WRAS
CORE921015	15nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓
CORE921020	20nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓
CORE921025	25nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓
CORE921032	32nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓
CORE921040	40nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓
CORE921050	50nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓

The CORE 931 Fixed Orifice Double Regulating Valve is WRAS approved and makes balancing and flow control easy, especially useful in periodic commissioning, pipework modifications, or isolations. With $\pm 5\%$ flow measurement accuracy and a handwheel with shut-off function and clear 360° reading. Accurate flow measurement, thanks to its fixed orifice and test port design, enables true balancing. Repeatable flow control, thanks to its double-regulating (preset + lock) feature, makes it both a balancing valve and isolator. Classified in accordance with PED 2014/68/EU

DN	15	20	25	32	40	50
A	12.5	12.5	14.5	16.5	19	19.5
H1	101.78	107.28	109.78	121.82	130.49	140.49
L2	143.3	148.1	156.2	148.1	163.5	175.4
SW	25	31	38	47	55	66
H2	13.25	16.5	20.35	25	29.4	35
H	79.71	84.84	87.63	99.66	108.34	118.34
C	106.55	115.92	123.59	138.7	157.02	168.02
L1	128.78	137.78	145.73	160.85	179.18	190.18
L	72.5	82	95	115	135	150
Kv	2.31	5.58	7.55	12.59	21.17	30.17
Kvs	3	8.17	11.16	17.17	25.67	45.13
Kgs	0.52	0.58	0.68	1.1	1.54	1.93



Product Code	Size	Connection Type	Material	Working Temp Range	Max Pressure	WRAS
CORE931015	15nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓
CORE931020	20nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓
CORE931025	25nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓
CORE931032	32nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓
CORE931040	40nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓
CORE931050	50nb	Screwed	DZR Brass	-10°C - 120°C	25 Bar	✓

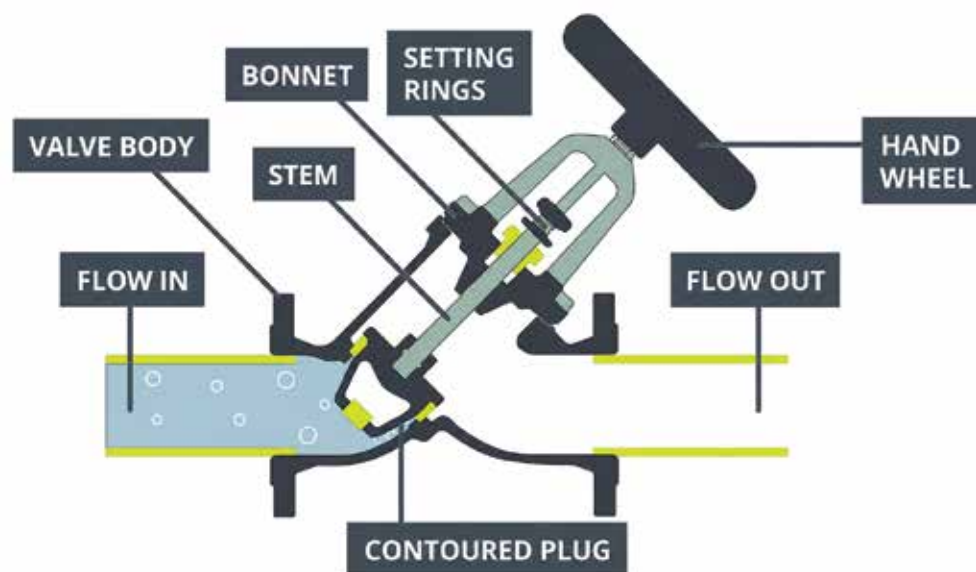
VALVES

Double Regulating

	Size Range	Material	Connection Type	Min - Max Operating Temperature	Max Operating Pressure	Approvals
CORE 931	DN15 - DN50	DZR Brass CW602N	FxF BSP Parallel (ISO 228/1)	-10°C to +120°C	25 Bar	WRAS
Albion ART 22	1/2" - 2" (low flow variants available in 1/2")	DZR Brass CW602N	FxF BSP Parallel (ISO 228/1)	-10°C to +120°C	25 Bar	WRAS
BOSS 9515 (Venturi) (VIP)	DN15 - DN50	DZR Brass CW602N	FxF BSP Parallel (ISO 228/1)	-10°C to +130°C	Max 25 Bar up to 110°C	WRAS
Jet 9515 (Venturi) (VIP)	DN15 - DN50	DZR Brass CW602N	FxF BSP Parallel (ISO 228/1)	-10°C to +130°C	Max 25 Bar up to 110°C	WRAS
IMI TA STAV	DN15 - DN50	Valve body and bonnet: AMETAL®	FxF BSP Parallel (ISO 228/1)	-20°C to +120°C	20 Bar	KIWA Reg-4
Crane 931	DN15 - DN50	Bronze BS EN 1982 CC491K	Taper Threaded to BS EN 10226-2	-10°C to +120°C	Max 25 Bar up to 100°C	WRAS
Hattersley 1732	DN15 - DN50	DZR Top / Bronze Body	Taper Threaded to BS EN 10226-2	-10°C to +120°C	Max 20 Bar up to 100°C	WRAS
Pegler 1260	DN15 - DN50	Brass (CW511L (lead-free))	FxF BSP Parallel (ISO 228/1)	-10°C to +130°C	20 Bar	WRAS
RWC DBRV1 (Venturi) (VIP)	DN15 - DN50	DZR Brass CW602N	FxF BSP Parallel (ISO 228/1)	-10°C to +130°C	25 Bar	WRAS

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PUMPS & PRESSURISATION

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PUMPS & PRESSURISATION

Pump Flexibles & Expansion Joints

CORE pump flexibles are installed to absorb vibration and noise levels caused by the system itself upon which they are fitted. These are suitable for use on systems carrying both chilled & heated water. Other than the WRAS approved products, this range is **not** suitable for use with potable water, water with oil additives, compressed air or food applications. The product has a design life up to 10 years and is warranted for a period of 12 months from supply.

Non rubber expansion joints can be used when the temperature, pressure or media being transported prevents the use of rubber bellows.



AX3 WRAS Approved Axial Bellow

Product Code	Size	Movement	Connection Type	Working Temp	Working Pressure	WRAS
AX325015	15nb	25mm	Screwed	120°C	10 Bar	✓
AX325020	20nb	25mm	Screwed	120°C	10 Bar	✓
AX325025	25nb	25mm	Screwed	120°C	10 Bar	✓
AX325032	32nb	25mm	Screwed	120°C	10 Bar	✓
AX325040	40nb	25mm	Screwed	120°C	10 Bar	✓
AX325050	50nb	25mm	Screwed	120°C	10 Bar	✓



Untied Flanged (PN16) WRAS Approved Flexible Bellow

Product Code	Size	Pressure Rating	Working Temp Range	Working Pressure	Bolt Holes	WRAS
FB16032W	32nb	PN16	-20°C - 100°C	16 Bar	4	✓
FB16040W	40nb	PN16	-20°C - 100°C	16 Bar	4	✓
FB16050W	50nb	PN16	-20°C - 100°C	16 Bar	4	✓
FB16065W	65nb	PN16	-20°C - 100°C	16 Bar	4	✓
FB16080W	80nb	PN16	-20°C - 100°C	16 Bar	8	✓
FB16100W	100nb	PN16	-20°C - 100°C	16 Bar	8	✓
FB16125W	125nb	PN16	-20°C - 100°C	16 Bar	8	✓
FB16150W	150nb	PN16	-20°C - 100°C	16 Bar	8	✓

PUMPS & PRESSURISATION

Pump Flexibles & Expansion Joints



Untied Flanged (PN6) Flexible Bellow

Product Code	Size	Pressure Rating	Working Temp Range	Working Pressure	Bolt Holes
FB6032	32nb	PN6	-10°C to 90°C	10 Bar	4
FB6040	40nb	PN6	-10°C to 90°C	10 Bar	4
FB6050	50nb	PN6	-10°C to 90°C	10 Bar	4
FB6065	65nb	PN6	-10°C to 90°C	10 Bar	4
FB6080	80nb	PN6	-10°C to 90°C	10 Bar	4
FB6100	100nb	PN6	-10°C to 90°C	10 Bar	4

Please note: Units should not be installed on pumps located on inertia bases

Untied Flanged (PN16) Flexible Bellow



Product Code	Size	Pressure Rating	Working Temp Range	Working Pressure	Bolt Holes
FB16032	32nb	PN16	-10°C - 90°C	10 Bar	4
FB16040	40nb	PN16	-10°C - 90°C	10 Bar	4
FB16050	50nb	PN16	-10°C - 90°C	10 Bar	4
FB16065	65nb	PN16	-10°C - 90°C	10 Bar	4
FB16080	80nb	PN16	-10°C - 90°C	10 Bar	8
FB16100	100nb	PN16	-10°C - 90°C	10 Bar	8
FB16125	125nb	PN16	-10°C - 90°C	10 Bar	8
FB16150	150nb	PN16	-10°C - 90°C	10 Bar	8

Please note: Units should not be installed on pumps located on inertia bases



Tied Flanged (PN16) Flexible Bellow

Product Code	Size	Pressure Rating	Working Temp Range	Working Pressure	Bolt Holes
FBT16032	32nb	PN16	-10°C - 90°C	10 Bar	4
FBT16040	40nb	PN16	-10°C - 90°C	10 Bar	4
FBT16050	50nb	PN16	-10°C - 90°C	10 Bar	4
FBT16065	65nb	PN16	-10°C - 90°C	10 Bar	4
FBT16080	80nb	PN16	-10°C - 90°C	10 Bar	8
FBT16100	100nb	PN16	-10°C - 90°C	10 Bar	8
FBT16125	125nb	PN16	-10°C - 90°C	10 Bar	8
FBT16150	150nb	PN16	-10°C - 90°C	10 Bar	8
FBT16200	200nb	PN16	-10°C - 90°C	10 Bar	8
FBT16250	250nb	PN16	-10°C - 90°C	10 Bar	8
FBT16300	300nb	PN16	-10°C - 90°C	10 Bar	8

Please note: PN16 Flexible bellows sizes 32nb - 65nb have 4 bolt holes, 80nb and above have 8 bolt holes



BSP Union (PN16) Flexible Bellow

Product Code	Size	Pressure Rating	Connection Type	Working Temp Range
FBS015	15nb	PN16	Screwed	-10°C to 90°C
FBS020	20nb	PN16	Screwed	-10°C to 90°C
FBS025	25nb	PN16	Screwed	-10°C to 90°C
FBS032	32nb	PN16	Screwed	-10°C to 90°C
FBS040	40nb	PN16	Screwed	-10°C to 90°C
FBS050	50nb	PN16	Screwed	-10°C to 90°C

Potable

Potable water expansion vessels for use in domestic and commercial sealed, chilled and hot water systems.

Advantages

- Nitrogen gas filling for longer retention of pre-charge
- With single threaded steel connection and plastic insert (no flow-through function)

Technical Specifications

- Maximum working pressure: 10 Bar (8 Bar for 750L)
- Min/Max working temperature (bladder): -10 / 100 °C (70 °C for 1000L)
- In accordance with Pressure Equipment Directive 2014/68/EU
- Suitable for addition of glycol-based antifreeze up to 50%
- Coated aluminium (RAL 9006)
- 35 - 1000L as standard come with legs



Product Code	Size	Connection Position	Working Temp Range	Max Pressure	WRAS
CPV8L	8L	Bottom	-10°C to 100°C	10 Bar	✓
CPV12L	12L	Bottom	-10°C to 100°C	10 Bar	✓
CPV18L	18L	Bottom	-10°C to 100°C	10 Bar	✓
CPV24L	24L	Bottom	-10°C to 100°C	10 Bar	✓
CPV35L	35L	Bottom	-10°C to 100°C	10 Bar	✓
CPV50L	50L	Bottom	-10°C to 100°C	10 Bar	✓
CPV80L	80L	Bottom	-10°C to 100°C	10 Bar	✓
CPV100L	100L	Bottom	-10°C to 100°C	10 Bar	✓
CPV150L	150L	Bottom	-10°C to 100°C	10 Bar	✓
CPV200L	200L	Bottom	-10°C to 100°C	10 Bar	✓
CPV300L	300L	Bottom	-10°C to 100°C	10 Bar	✓
CPV500L	500L	Bottom	-10°C to 100°C	10 Bar	✓
CPV750L	750L	Bottom	-10°C to 100°C	8 Bar	✓
CPV1000L	1000L	Bottom	-10°C to 70°C	10 Bar	✓

Please note: *Between 35 - 1000L come with legs*



View our online potable expansion vessel guidance here



Heating

For use on domestic and commercial hot water systems with each vessel being factory tested before leaving the factory.

For sealed heating (acc. to EN12828) and cooling installations.

When the temperature in the installation rises, the system water will expand. The 'expansion water' is stored temporarily in the expansion vessel to keep the pressure in the installation at the correct level. Each vessel is factory tested.

Advantages

- The thread of the system connection is uncoated, ensuring problem free connection.
- The fixed bag-type diaphragm prevents the water from coming into contact with the bare steel of the vessel.
- Nitrogen gas filling for longer maintenance of pre-pressure.

Technical Specifications

- Maximum working pressure: 6 Bar
- Vessels in accordance with EN13831
- Min. / max. temperature diaphragm: -10 / 70 °C
- In accordance with Pressure Equipment Directive 2014/68/EU
- Suitable for systems with a maximum system temperature of 120 °C
- Diaphragm: EPDM
- All welded construction & Zinc plated flange
- Suitable for addition of glycol-based antifreeze up to 50% and ethanol-based antifreeze up to 30%
- Red (RAL 3002) epoxy powder coating
- 35 – 1000L as standard come equipped with legs
- 200 - 100L has a top connection



Product Code	Size	Connection Position	Working Temp Range	Max Pressure
CHV8L	8L	Bottom	-10°C to 70°C	6 Bar
CHV12L	12L	Bottom	-10°C to 70°C	6 Bar
CHV18L	18L	Bottom	-10°C to 70°C	6 Bar
CHV25L	25L	Bottom	-10°C to 70°C	6 Bar
CHV35L	35L	Bottom	-10°C to 70°C	6 Bar
CHV50L	50L	Bottom	-10°C to 70°C	6 Bar
CHV80L	80L	Bottom	-10°C to 70°C	6 Bar
CHV100L	100L	Bottom	-10°C to 70°C	6 Bar
CHV150L	150L	Bottom	-10°C to 70°C	6 Bar
CHV200L	200L	Top	-10°C to 70°C	6 Bar
CHV300L	300L	Top	-10°C to 70°C	6 Bar
CHV400L	400L	Top	-10°C to 70°C	6 Bar
CHV500L	500L	Top	-10°C to 70°C	6 Bar
CHV600L	600L	Top	-10°C to 70°C	6 Bar
CHV800L	800L	Top	-10°C to 70°C	6 Bar
CHV1000L	1000L	Top	-10°C to 70°C	6 Bar

Please note: Between 35 - 1000L come with legs

MINI

Suitable for maintaining pressure in large domestic and small commercial sealed heating systems, chilled water systems, refrigeration units, and industrial cooling systems. Mini units are exceptionally easy to install and commission, housed in a compact and robust enclosure suitable for wall mounting.



Features

- Suitable for sealed systems of up to 6,000 litres
- Single (duty) or Twin (duty-standby) pump options
- 3 Bar cold fill pressure
- 2 litre tank capacity
- Automated system top-up
- WRAS approved high flow fill valve
- Left or Right outlet configurable with flexible hose (supplied)
- Category 5 backflow protection

Product Code	Size	Mounting	No. of Pumps	Sealed System Capacity	Max Cold Fill Pressure
COREMINI130	130 MINI	Wall Hung	Single	6,000 litres	3 Bar
COREMINI230	230 MINI	Wall Hung	Twin	6,000 litres	3 Bar

MIDI

Suitable for maintaining pressure in large domestic and commercial sealed heating systems, chilled water systems, refrigeration units, and industrial cooling systems. Midi units feature continuously rated brass peripheral pumps and are exceptionally easy to install and commission, suitable for either floor or wall mounting.



Features

- Suitable for sealed systems of up to 300,000 litres
- Single (duty) or Twin (duty-standby) pump options
- 3.5 / 4.1 Bar cold fill pressure
- 8 litre tank capacity
- Automated system fill & top-up
- WRAS approved high flow fill valve
- Left or Right inlet & outlet configurable with flexible hose (supplied)
- Category 5 backflow protection

Product Code	Size	Mounting	No. of Pumps	Sealed System Capacity	Max Cold Fill Pressure
COREMIDI135	135 MIDI	Wall/Floor	Single	300,000 litres	3.5 Bar
COREMIDI150	150 MIDI	Wall/Floor	Single	300,000 litres	4.1 Bar
COREMIDI235	235 MIDI	Wall/Floor	Twin	300,000 litres	3.5 Bar
COREMIDI250	250 MIDI	Wall/Floor	Twin	300,000 litres	4.1 Bar

MAXI

Suitable for maintaining pressure in large domestic and commercial sealed heating systems, chilled-water systems, refrigeration units, and industrial cooling systems.

This microprocessor controlled single or twin pump pressurisation unit is purpose-designed with both the specifier and installer in mind.

This pressurisation unit is exceptionally easy to install and commission and is housed in a compact and robust, floor-standing enclosure.

Features

- Suitable for sealed systems of up to 300,000 litres
- Single (duty) or twin (duty/standby) pump options
- Available up to 3.9 - 8.0 bar cold fill Applications
- 18 litre tank capacity
- Automated system fill and top-up
- Ai100 technology offers unparalleled air gap, weir overflow and warning pipe control and integration for modern systems
- Category 5 backflow protection, Type AB air gap, weir overflow and warning pipe
- Full status indication
- High quality peripheral pump(s)
- Leak detection via frequency of starts alarm



Product Code	Description	Mounting	No. of Pumps	Sealed System Capacity	Max Cold Fill Pressure
COREMAXI135	135 MAXI	Floor	Single	300,000 litres	3.9 Bar
COREMAXI175	175 MAXI	Floor	Single	300,000 litres	8 Bar
COREMAXI235	235 MAXI PLUS	Floor	Twin	300,000 litres	3.9 Bar
COREMAXI275	275 MAXI PLUS	Floor	Twin	300,000 litres	8 Bar



CONTROL THE PRESSURISATION

To help complete your project requirements, view our CORE range of pressure control valves

- **Pressure Reducing Valves**
- **Balancing Valves**
- **Automatic Air Vents**
- **Regulating Valves**



WATER TREATMENT

CORE water treatment range offers advanced solutions designed to meet all hygiene, cleaning & protection needs for commercial heating & chilled systems. All the high-performance chemical formulations are designed to increase system performance whilst reducing maintenance, running costs, energy consumption, water wastage and carbon emissions.



Access all technical documents for the **Water Treatment** range 24/7 by scanning this QR code.



WATER TREATMENT

Air/Dirt Separator

Flanged Microbubble Air & Dirt Separator

For use in sealed heating and cooling systems. CORE Air & Dirt Separators protect against damage caused by the deposit of dirt particles, and large amounts of dissolved and undissolved air.

Advantages of using Air & Dirt Separators

Reduction in:

- Corrosion of pipe and fixings
- Dependence on chemicals
- Unwanted dirt build up in radiators, vessels & pipe

CORE Air & Dirt separators are essential when refurbishing older systems or when an open system is converted to a closed system.

Features include:

- Flanged connection EN 1092-1 PN16
- Extremely low flow resistance
- Flow Rate up to 1.5 m/s
- 5 Year Warranty

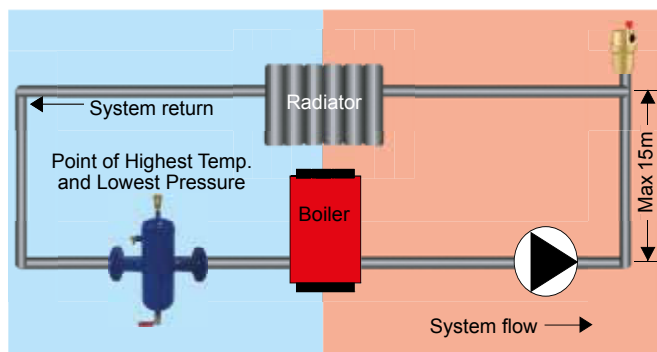
Specifications:

- Maximum working pressure: 10 bar
- Mild steel body with stainless steel filament internals
- Brass valves, automatic air vent & blow down valve
- Suitable for systems with a maximum flow temperature of 110°C
- Suitable for addition of glycol-based antifreeze up to 50%
- In accordance with Pressure Equipment Directive 2014/68/EU Cat SEP and Pressure Equipment (Safety) Regulations 2016

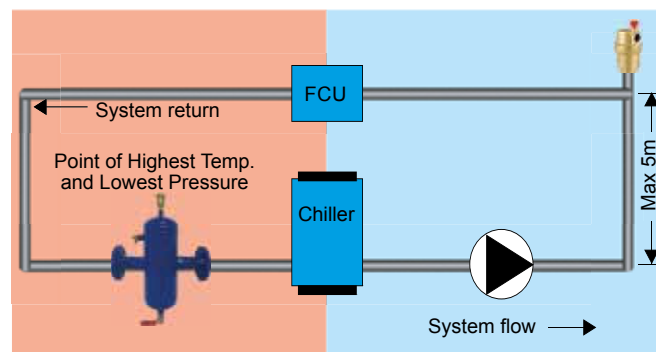


**CORE PN16
flange packs
now
available!**

System Set Up Hot Water



System Set Up Cold Water



Size	Pressure Rating	Product Code
50nb	PN16	CAD050C
65nb	PN16	CAD065C
80nb	PN16	CAD080C
100nb	PN16	CAD100C
125nb	PN16	CAD125C
150nb	PN16	CAD150C
200nb	PN16	CAD200C

Pipe Size	Length	Body Dia	Height	Flange	Weight (Empty)
50mm	430mm	168mm	600mm	PN16	20kg
65mm	430mm	168mm	600mm	PN16	22kg
80mm	490mm	220mm	800mm	PN16	35kg
100mm	490mm	220mm	800mm	PN16	40kg
125mm	630mm	325mm	970mm	PN16	65kg
150mm	630mm	325mm	970mm	PN16	100kg

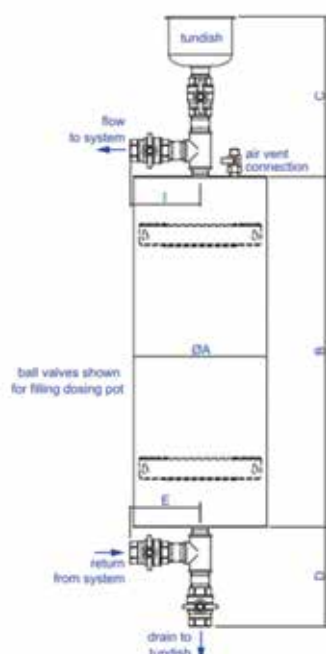
WATER TREATMENT

Dosing Pot

No need for system shutdown

Chemical dosing pots are required to insert liquid chemicals into closed heating or chilled water systems. These chemicals are usually corrosion inhibitors or anti-freeze solutions. Dosing pots are simple and safe to operate and to flush clean. All connections to the system can be isolated by the ball valves.

Our CORE Dosing Pot is a high-quality stainless-steel vessel and fully complies with the Pressure Equipment Directive (PED) 2014/68/EU. All units have a maximum operation temperature of 90°C and a maximum working pressure of 10 Bar, and have 1" BSP system connections.



PLEASE NOTE:
ALL DIMENSIONS ARE
FOR GUIDANCE ONLY.

Sizing and Installation

The dosing pot is supplied as a kit of components which need to be assembled as shown opposite. Use PTFE tape or a thread sealant compound when assembling the joints.

The size of a dosing pot installed on a system is not critical as multiple doses of chemicals can be put into the system to reach the correct concentration.

Smaller units are easier to physically handle and allow for more accurate dosing. However, the time on site for performing multiple doses has to be considered.

SIZE	A	B	C	D	E
3.5L	114	375	300	180	120
6L	114	640	300	180	120
11L	168	535	300	180	120
18L	219	500	300	180	120
25L	219	710	300	180	120
35L	273	630	300	180	120
40L	273	720	300	180	120
50L	273	900	300	180	120

Size	Product Code	Material
3.5 Litre	DPSS035	Stainless Steel
6 Litre	DPSS06	Stainless Steel
11 Litre	DPSS11	Stainless Steel
18 Litre	DPSS18	Stainless Steel
25 Litre	DPSS25	Stainless Steel
35 Litre	DPSS35	Stainless Steel
40 Litre	DPSS40	Stainless Steel
50 Litre	DPSS50	Stainless Steel

WATER TREATMENT

Quick Test Kit & Dosing Calculator

Fast and accurate testing of inhibitor concentration

The CORE Inhibitor Quick Test Kit delivers fast and accurate testing of inhibitor concentration within commercial heating and chilled systems. After taking a system water sample, the test strips only need to be dipped in the sample for a second, prior to revealing the results after just ten seconds.

- Fast and accurate testing of CORE inhibitor levels in heating and chilled systems
- On-site results within 10 seconds
- Colour scale included on bottle
- Contains 50 test strips



Size	Product Code
50 Strips	COREINHIBQTS

Dosage Calculator

Advice for all chemicals (except Glycol)

1. Take the combined kW output of the boilers/chillers.
2. **For a heating system** - multiply the kW output by 12 to give an estimated system volume in litres, then divide by 250
e.g. for a 500kW heating system: Multiply 500 x 12 = 6,000 litres ÷ 250 = 24. Therefore, add 24 litres of CORE chemicals.
3. **For a chilled/cooling system** - multiply the kW output by 15 to give an estimated system volume in litres, then divide by 250.
e.g. for a 250kW chilled system: Multiply 250 x 15 = 3,750 litres ÷ 250 = 15. Therefore, add 15 litres of CORE chemicals.

Glycol Anti-freeze

The concentration of CORE Glycol Anti-Freeze can be adjusted for lower levels of freeze protection, reducing the freezing point of water in direct proportion to its concentration within the system:

- 25% concentration provides protection down to -11°C
e.g., 2.5L of Glycol Anti-Freeze for every 10L of system water
- 30% concentration provides protection down to -14°C
- 35% concentration provides protection down to -17°C
- 40% concentration provides protection down to -22°C

Please note: Minimum dose for full corrosion protection is 25% concentration

Scan to view our
online calculator



WATER TREATMENT

Inhibitor & Biocide

Inhibitor



Leading corrosion protection

CORE Inhibitor prevents system corrosion and limescale deposition by passivating and protecting bare metal surfaces in commercial heating, chilled & condenser systems, contributing to a longer system life and improved system efficiencies. Our CORE Inhibitor contains a pH buffer to maintain a neutral system water pH.

- High performance heating, chilled & condenser system protection
- Prevents system corrosion & limescale deposition
- Helps to increase & maintain system efficiencies
- Enhanced protection in hard & soft water areas
- Concentrated formula: *Treats system volume at 0.4% dosage rate – 10L treats 2,500L*
- Compatible with all common system metals & materials
- Helps to reduce CO₂ emissions
- Environmentally friendly, non-toxic formula

Size	Product Code
5L	COREINHIB5L
10L	COREINHIB10L
20L	COREINHIB20L
1000L	COREINHIB1000L



Dual Biocide

High performance biocide and fungicide

CORE Dual Biocide has been specifically designed to prevent the formation & growth of bacterial contamination, algae & micro-organisms in commercial heating, underfloor heating, low temperature & chilled systems. CORE Dual Biocide contains two, separate active ingredients, making it more effective than a single biocidal treatment.

- Concentrated dual biocide for heating, chilled & condenser systems
- Prevents the formation & growth of bacterial contamination
- Effective against Legionella, Pseudomonas, NRB & SRB bacteria
- Kills fungi & algae
- Compatible with all common system metals & materials
- Non-corrosive, concentrated formula
- Concentrated formula: *Treats system volume at 0.4% dosage rate – 10L treats 2,500L*
- Effective up to 60°C
- Compatible with all CORE range chemicals

Size	Product Code
10L	COREDUALBIOCIDE10L
20L	COREDUALBIOCIDE20L



Leave-in Cleaner

No drain, no flush formula

CORE Leave-In Cleaner has been specifically designed to lift & mobilise magnetic & non-magnetic system contaminants (including biofilms), helping to promote their capture via a magnetic & non-magnetic system filter which must be present on any system that this product is used to dose.

CORE Leave-In Cleaner can remain in the system, with no need to drain & flush after treatment.

- High performance heating, chilled & condenser system protection
- Prevents system corrosion & limescale deposition
- Helps to increase & maintain system efficiencies
- Enhanced protection in hard & soft water areas
- Concentrated formula: *Treats system volume at 0.4% dosage rate – 10L treats 2,500L*
- Compatible with all common system metals & materials
- Helps to reduce CO₂ emissions
- Environmentally friendly, non-toxic formula

Size	Product Code
10L	CORECLEANER10L
20L	CORECLEANER20L



Heavy-Duty Cleaner

Advanced, high strength chemical cleaner

CORE Heavy-Duty Cleaner has been specifically designed for the rapid cleaning of all heating, chilled and condenser systems, removing system sludge, debris and scale. CORE Heavy-Duty Cleaner can be left in the system for up to 7 days only. The system should then be thoroughly drained & flushed before refilling with clean system water. Immediate dosing of CORE INHIBITOR should then be carried out to fully protect the system.

- Heavy-duty cleaner for heating, chilled & condenser systems
- Removes system sludge, debris & scale
- Helps restore system performance & efficiencies
- Starts to work as quickly as one hour after application
- Can be left in the system for up to 7 days
- Concentrated formula: *Treats system volume at 0.4% dosage rate – 10L treats 2,500L*
- Compatible with all CORE range chemicals

Size	Product Code
10L	COREHDCLEANER10L



WATER TREATMENT

Cleaner & Anti-Freeze

System Cleaner

Rapid, powerful chemical cleaner

CORE System Cleaner has been specifically designed for cleaning new & existing heating, chilled and condenser systems, removing system sludge, debris and scale. For maximum flexibility, CORE System Cleaner can be left in the system for up to 28 days. The system should then be thoroughly drained and flushed before refilling with clean system water. Immediate dosing of CORE INHIBITOR should then be carried out to fully protect the system.

- Powerful cleaner for heating, chilled & condenser systems
- Removes system debris, scale, flux & oils
- Helps restore system performance & efficiencies
- Includes CORE INHIBITOR protection to protect bare metal surfaces during cleaning
- Can be left in the system for up to 28 days
- Concentrated formula: *Treats system volume at 0.4% dosage rate – 10L treats 2,500L*
- Compatible with all CORE range chemicals
- Helps to reduce CO₂ emissions
- Environmentally friendly, non-toxic formula



Size

Product Code

10L

CORESUSCLEANER10L

Glycol Anti-Freeze



High performance anti-freeze and protector

CORE Glycol Anti-Freeze is a monopropylene, glycol-based antifreeze, designed to prevent freezing in all types of water which incorporates our CORE INHIBITOR, helping to protect underfloor heating systems, chillers, boilers and their associated chilling & heating systems against corrosion & scale formation and maximising the heat transfer properties of the system. CORE Glycol Anti-Freeze offers protection down to -22°C at 40% concentration.

- Monopropylene Glycol Anti-Freeze for chilled & condenser systems
- Low toxicity, food & beverage grade glycol
- Includes CORE INHIBITOR protection to help protect against corrosion & limescale formation
- Helps to increase & maintain system performance & efficiencies
- Concentrated formula
- Compatible with all common system metals & materials
- Protection down to -22°C at 40% concentration
- Helps to reduce CO₂ emissions
- Environmentally friendly, non-toxic formula



Size

Product Code

20L

COREGLYCOL20L

WATER TREATMENT

Full Flow Magnetic Filter

A heavy-duty magnetic filter for demanding commercial and industrial applications, delivering robust performance, simple maintenance, and reliable protection.

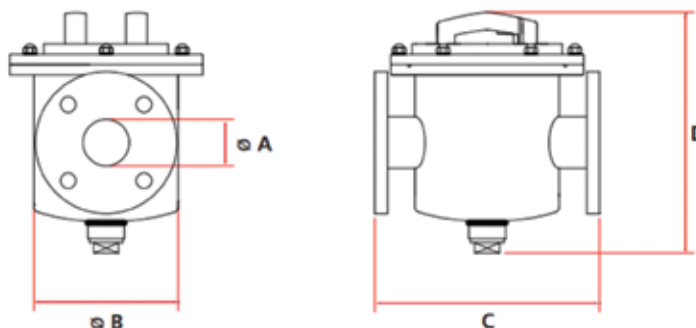
Ideal for commercial heating and cooling systems, the CORE in-line, full flow filter prevents the build-up of ferrous oxide and scale, reducing energy bills, extending boiler life, and reducing maintenance call-outs.

Features

- Easy to install and maintain
- Maintains optimum heating performance
- Operating pressure up to 12 bar
- High-intensity magnetic rods
- Large collection capacity
- 10-year warranty
- No ongoing running costs
- Premium quality manufacture
- Automatic air vent



[Full Flow
installation video](#)



Product Code	Inlet/Outlet Dia. A	Filter Dia. B	Flange Spacing C	Height D	No. Magnetic Rods	Flow rate cubic metres/ hour	Pressure Rating
COREFFF050	2"/DN50	170mm	270mm	280mm	5	20	PN16
COREFFF065	2½"/DN65	220mm	360mm	335mm	7	35	PN16
COREFFF080	3"/DN80	220mm	360mm	335mm	7	55	PN16

‘Easy Clean’ Side Stream Filters

These units are ideal for water systems requiring an efficient solution to maintain performance by removing dirt and debris, without the need for costly or time-consuming modifications to existing hot water systems.

The range is also available with an optional thermal insulation jacket, helping to reduce heat loss and further improve overall efficiency, and is backed by a ten-year warranty.

Features

- Low pressure drop design, eliminating the need for pressure monitoring
- Flexible inlet and outlet configurations to reduce installation time
- Reusable stainless steel mesh filter captures non-ferrous debris, removing the need for replacement cartridges
- No anti-bacterial filtration required; simply dose the system with CORE biocide for complete treatment



Side Stream Filter

Product Code	Description
CORESSFIL	Side Stream Magnetic Filter
CORESSFILTJ	Thermal Jacket For Side Stream Filter



Side Stream Filter PLUS

Product Code	Description
CORESSFP	Side Stream Filter Plus
CORESSFPTJ	Thermal Jacket For Side Stream Filter Plus



Side Stream Filter XL

Product Code	Description
CORESSFXL	Side Stream Filter XL
CORESSFPTJ	Thermal Jacket For Side Stream Filter XL

WATER TREATMENT

Product Selector & Video

		Flow Rates	System Volume	Connection Size	Magnets to Clean	Vessel Size	Replacement Cartridges Required	Flow Sensor/Pressure Gauges Required	Warranty
	CORE Side Stream Filter	100 l/min	100,000 ltr	1"	1	6 ltr	No	No	10 Year
	X-POT Compact	24 l/min	34,560 ltr	1/2"	4	4.5 ltr	Yes	Yes	8 Year
	BSP Micro	14 l/min	20,000 ltr	1/2"	4	2.1 ltr	Yes	Yes	10 Year
	CORE Side Stream Filter PLUS	100 l/min	200,000 ltr	1"	1	13 ltr	No	No	10 Year
	X-POT 6	60 l/min	86,400 ltr	1"	6	6 ltr	Yes	Yes	8 Year
	BSP Mini	60 l/min	90,000 ltr	1"	4	5.5 ltr	Yes	Yes	10 Year
	CORE Side Stream Filter XL	230 l/min	400,000 ltr	2"	2	24 ltr	No	No	10 Year
	X-POT XP	210 l/min	302,400 ltr	2"	13	25 ltr	Yes	Yes	8 Year
	BSP Midi	260 l/min	375,000 ltr	2 1/2"	6	24 ltr	Yes	Yes	10 Year



CORE[®]

Side Stream Range Overview

- Side Stream Magnetic Filter
- Side Stream Magnetic Filter **PLUS**
- Side Stream Magnetic Filter **XL**







[Range Installation Video](#)

PIPE SUPPORTS

A range of essential products is available to support the installation of metal and plastic pipe systems. Load test data and expansion design service is also available. The products are stocked heavily and backed up by Smith Brothers' service and expertise, our chosen distribution partner. Their staff members are always on hand to advise on the products most suitable to support your pipe system applications.



Access all technical documents for the **Pipe Supports** range 24/7 by scanning this QR code.



PIPE SUPPORTS

Channel

CORE offers a comprehensive range of channel lengths in 3 and 6 metres to BS6946:1988 (British Standard specification for metal channel cable support systems) which is available as slotted and plain channel lengths.

Available channel sizes are 41 x 21mm, 41 x 41mm and 41 x 82mm (back-to-back channel) profiles. These are available in standard gauge (2.5mm) and light gauge (1.6mm) thickness for slotted channel, except in the back to back product option. All slotted channel length profiles have full end slots with a pre-galvanised finish.



Light Slotted

Size (mm)	Length (m)	Product Code
41 x 21 x 1.6	3	TSS4213M
41 x 21 x 1.6	6	TSS4216M
41 x 41 x 1.6	3	TSS4413M
41 x 41 x 1.6	6	TSS4416M



Heavy Slotted

Size (mm)	Length (m)	Product Code
41 x 21 x 2.5	3	TSS4223M
41 x 21 x 2.5	6	TSS4226M
41 x 41 x 2.5	3	TSS4423M
41 x 41 x 2.5	6	TSS4426M



Plain

Size (mm)	Length (m)	Product Code
41 x 41 x 2.5	6	TSSP4426M



Back to Back Slotted

Size (mm)	Length (m)	Product Code
41 x 82 x 2.5	3	TSS8423MSL
41 x 82 x 2.5	6	TSS8426MSL



Back to Back Plain

Size (mm)	Length (m)	Product Code
82 x 41 x 2.5	6	TSS8426M

PIPE SUPPORTS

Channel Accessories

To complement our channel lengths, CORE offer a wide range of accessories, including:

- Cantilever Arms
- Channel Nuts
- Square, Straight & Base Plates
- Angle Brackets
- Beam Clamps
- End Caps

CORE Square Plate Washer TS00M08 - M8 TS00M10 - M10 TS00M12 - M12 weight - 70grms	TS01 - CORE 2 Hole Plate weight - 145grms	TS02 - CORE 3 Hole Plate weight - 220grms	TS03 - CORE 4 Hole Plate weight - 285grms	TS06 - CORE 'L' Bracket weight - 225grms	TS07 - CORE 'T' Bracket weight - 345grms
TS11 - CORE 90 Degree Bracket, 2 Hole weight - 148grms	TS12 - CORE 90 Degree Bracket, 3 Hole weight - 230grms	TS14 - CORE 90 Degree Bracket, 4 Hole weight - 310grms	TS15 - CORE 90 Degree Bracket weight - 420grms	TS4521 - 41x21 CORE Window Bracket c/w Screw weight - 315grms	TS45 - 41x41 CORE Window Bracket c/w Screw weight - 370grms
TS4582 - 82x41 CORE Window Bracket c/w Screw weight - 470grms	TS44 - CORE Beamclamp 41x41 Channel weight - 430grms	TS23 - 41x41 CORE Single 'Z' Bracket weight - 205grms	TS29 - 45 Degree CORE Obtuse Angle Bracket weight - 240grms	GB31 - M10 CORE 'Z' Type Beam Clamp (10° pitch) weight - 155grms	GB32 - 41x41 CORE Double Channel Top Hat Bracket weight - 420grms
TS48 - CORE Beamclamp weight - 120grms	TS37 - CORE Base Plate Double Channel weight - 1310grms	GB39 - CORE 5 Hole Cross Plate weight - 645grms	TSDELTA - CORE Single Delta Baseplate weight - 1695grms	TSDELTAD - CORE Double Delta Baseplate weight - 1920grms	TS25 - 41x21 CORE Channel Top Hat Bracket weight - 290grms
TS26 - 41x41 CORE Channel Top Hat Bracket weight - 350grms	TS26A - 41x82 CORE Double Strut Top Hat Bracket weight - 530grms	GB42A41 - 41x41mm CORE Full Internal Channel Connector weight - 352grms	TS38 - CORE Single Base Plate, Double Fix weight - 645grms	TS39 - CORE Single Base Plate, Single Fix weight - 595grms	GB46 - CORE Channel Tee Bracket weight - 725grms
CORE Universal Cantilever Arm TS40150 - 150mm TS40300 - 300mm TS40450 - 450mm TS40600 - 600mm TS40750 - 750mm TS40900 - 900mm	CORE PVC Channel End Cap CEC421 - 41x21 Black CEC421W - 41x21 White CEC441 - 41x41 Black CEC441W - 41x41 White	CORE Channel Nut with No Spring TSSNM06 - M6 TSSNM08 - M8 TSSNM10 - M10 TSSNM12 - M12	CORE Channel Nut with Short Spring TSSNSM06 - M6 Short Spring TSSNSM08 - M8 Short Spring TSSNSM10 - M10 Short Spring TSSNSM12 - M12 Short Spring	CORE Channel Nut with Long Spring TSSNLM06 - M6 Long Spring TSSNLM08 - M8 Long Spring TSSNLM10 - M10 Long Spring TSSNLM12 - M12 Long Spring	TSPVCCS - CORE White PVC Closure Strip 3 Metre Length

PIPE SUPPORTS

Threaded Rod

Our BZP mild steel threaded rod, or studrod as it is often known, is available in diameters of M6 to M24, and in 1 and 3 metre lengths. We also offer pre-cut M10 threaded rod in sizes of 25mm to 200mm. The range is also completed by a series of connectors.



BZP Studrod

Size	Length (m)	Product Code
M6	1	SRM061M
M8	1	SRM081M
M10	1	SRM101M
M12	1	SRM121M
M16	1	SRM161M
M20	1	SRM201M
M24	1	SRM24
M6	3	SRM063M
M8	3	SRM083M
M10	3	SRM103M
M12	3	SRM123M
M16	3	SRM163M
M20	3	SRM203M
M24	3	SRM243M



BZP Pre Cut Stud

Size	Length (mm)	Product Code
M10	25	M1025PCS
M10	30	M1030PCS
M10	40	M1040PCS
M10	50	M1050PCS
M10	60	M1060PCS
M10	80	M1080PCS
M10	100	M10100PCS
M10	120	M10120PCS
M10	150	M10150PCS
M10	200	M10200PCS



BZP Studrod Connector

Size	Product Code
M8	SCM8
M10	SCM10
M12	SCM12
M16	SCM16



BZP Standard Eye Bolt

Size	Product Code
M10 x 80mm	IH200M10080
M10 x 150mm	IH200M10150
M10 x 300mm	IH200M10300

A wider range of non-CORE items, such as ball swivel hangers and backplates are available through Smith Brothers.

PIPE SUPPORTS

Pipe Clips

Our comprehensive pipe clip offering includes a range of pressed steel lightweight clips in mild steel and stainless steel. They are suitable for steel, copper, plastic and stainless steel pipe applications. There are variations of these clips in both a rubber-lined and unlined finish. These are bossed to facilitate a hanging solution and use threaded bar in a horizontal pipework setting.



Rubber Lined Clip

Size	Bore (of boss)	Product Code
10nb (13-20mm)	M8/M10	LC010
15nb (21-26mm)	M8/M10	LC015
20nb (26-30mm)	M8/M10	LC020
25nb (32-37mm)	M8/M10	LC025
32nb (40-46mm)	M8/M10	LC032
40nb (48-53mm)	M8/M10	LC040
50nb (60-66mm)	M8/M10	LC050
65nb (75-84mm)	M8/M10	LC065
80nb (83-93mm)	M8/M10	LC080
100nb (109-119mm)	M8/M10	LC100
125nb (136-148mm)	M8/M10	LC125
150nb (158-170mm)	M8/M10	LC150
200nb (215-225mm)	M8/M10	LC200
200nb (215-225mm)	M8/M10	LC200

Rubber Lined Clip (non-standard sizes)

Size (mm)	Bore (of boss)	Product Code
53 - 59	M8/M10	LC054
67 - 77	M8/M10	LC067
81 - 87	M8/M10	LC083
94 - 104	M8/M10	LC083
102 - 111	M8/M10	LC108
122 - 135	M8/M10	LC125OD
145 - 152	M8/M10	LC150OD



Unlined Clip

Size	Bore (of boss)	Product Code
10nb (15-20mm)	M8/M10	UC010
15nb (19-23mm)	M8/M10	UC015
20nb (26-30mm)	M8/M10	UC020
25nb (32-35mm)	M8/M10	UC025
32nb (39-43mm)	M8/M10	UC032
40nb (45-51mm)	M8/M10	UC040
50nb (60-65mm)	M8/M10	UC050
65nb (74-82mm)	M8/M10	UC065
80nb (91-98mm)	M8/M10	UC080
100nb (109-117mm)	M8/M10	UC100
125nb (136-146mm)	M8/M10	UC125
150nb (159-168mm)	M8/M10	UC150

Unlined Clip (non-standard sizes)

Size (mm)	Bore (of boss)	Product Code
54 - 58	M8/M10	UC054
67 - 71	M8/M10	UC067
82 - 89	M8/M10	UC081086
93 - 101	M8/M10	UC100OD
102 - 109	M8/M10	UC107112
116 - 128	M8/M10	UC120
125 - 135	M8/M10	UC124132
145 - 154	M8/M10	UC145

Non-CORE phenolic blocks and split band clips are available through Smith Brothers, product matrix on opposite pages assists with selection.

PIPE SUPPORTS

Clip & Block Matrix

Selecting the correct clip and phenolic block combination is essential for ensuring secure pipe support, thermal performance, and long-term system reliability. The matrix below has been designed to help you quickly identify the most suitable clip and block pairing for your application, making specification and selection simple and efficient.

Block & Clip Selection (metric)

Pipe Size (mm)	Phenolic Block Thickness (mm)	Phenolic Block Code	Unlined Clip Code	Split Band Clip Code
15	15	PB015015	UC040	IH100040
	20	PB015020	UC054	IH100050
	25	PB015025	UC067	N/A
	30	PB015030	UC065	IH100065
22	15	PB022015	UC054	IH100040
	20	PB022020	UC050	IH100050
	25	PB022025	UC065	IH100065
	30	PB022030	UC081086	IH100080
28	15	PB028015	UC050	IH100050
	20	PB028020	UC067	IH100065
	25	PB028025	UC065	IH100065
	30	PB028030	UC081086	IH100080
35	15	PB035015	UC067	N/A
	20	PB035020	UC065	IH100065
	25	PB035025	UC081086	IH100080
	30	PB035030	UC100OD	N/A
42	15	PB042CU015	UC065	IH100065
	20	PB042CU020	UC080	IH100080
	25	PB042CU025	UC107112	IH100080
	30	PB042CU030	UC100	N/A
54	15	PB054015	UC081086	IH100080
	20	PB054020	UC080	N/A
	25	PB054025	UC107112	IH100100
	30	PB054030	UC100	IH100100
67	15	PB067015	UC100OD	N/A
	20	PB067020	UC100	IH100100
	25	PB067025	UC120	IH100100
	30	PB067030	UC132137	IH100125

Block & Clip Selection (imperial)

Pipe Size (inch)	Phenolic Block Thickness (mm)	Phenolic Block Code	Unlined Clip Code	Split Band Clip Code
1/2" (15nb)	20	PB021020	UC050	IH100050
	25	PB021025	UC065	IH100065
	30	PB021030	UC065	IH100080
3/4" (20nb)	20	PB027020	UC067	IH100065
	25	PB027025	UC065	IH100065
	30	PB027030	UC081086	IH100080
1" (25nb)	20	PB034020	UC065	IH100065
	25	PB034025	UC081086	IH100080
	30	PB034030	UC100OD	N/A
1.1/4" (32nb)	20	PB042020	UC081086	IH100080
	25	PB042025	UC080	IH100080
	30	PB042030	UC107112	N/A
1.1/2" (40nb)	20	PB048020	UC080	IH100080
	25	PB048025	UC107112	N/A
	30	PB048030	UC100	IH100100
2" (50nb)	20	PB060020	UC107112	N/A
	25	PB060025	UC100	IH100100
	30	PB060030	UC120	N/A
2.1/2" (65nb)	20	PB076020	UC120	IH100100
	25	PB076025	UC132137	IH100125
	30	PB076030	UC132137	IH100125



PIPE SUPPORTS

Malleable Clips

A full range of malleable iron pipe clips, clamps, brackets and backplates can be used to support steel tube to BS EN 10255/10217 (formerly referred to as BS1387). These clips are available in both black and galvanised finish and are made from black iron material (Blackheart).

The term Blackheart refers to the type of malleable iron that is produced during the casting process. This is made by annealing white iron in a neutral atmosphere at a temperature of 900°C and is renowned for its strength. The British Standard for Blackheart malleable iron is BS6681:1986.



Malleable Black

Size	Product	Product Code
M10	Backplate	BPBM10
M12	Backplate	BPBM12
10nb	School Board Clip	SBB010
15nb	School Board Clip	SBB015
20nb	School Board Clip	SBB020
25nb	School Board Clip	SBB025
32nb	School Board Clip	SBB032
40nb	School Board Clip	SBB040
50nb	School Board Clip	SBB050
65nb	School Board Clip	SBB065
80nb	School Board Clip	SBB080
100nb	School Board Clip	SBB100
10nb	Single Pipe Ring x M10	SSB010
15nb	Single Pipe Ring x M10	SSB015
20nb	Single Pipe Ring x M10	SSB020
25nb	Single Pipe Ring x M10	SSB025
32nb	Single Pipe Ring x M10	SSB032
40nb	Single Pipe Ring x M10	SSB040
50nb	Single Pipe Ring x M10	SSB050
65nb	Single Pipe Ring x M12	SSB065
80nb	Single Pipe Ring x M12	SSB080
100nb	Single Pipe Ring x M12	SSB100
15nb	Double Split Ring M10 Tapped	DSB015
20nb	Double Split Ring M10 Tapped	DSB020
25nb	Double Split Ring M10 Tapped	DSB025
32nb	Double Split Ring M10 Tapped	DSB032
40nb	Double Split Ring M10 Tapped	DSB040
50nb	Double Split Ring M10 Tapped	DSB050
65nb	Double Split Ring M12 Tapped	DSB065
80nb	Double Split Ring M12 Tapped	DSB080
100nb	Double Split Ring M12 Tapped	DSB100

Malleable Galvanised

Size	Product	Product Code
M10	Backplate	BPGM10
M12	Backplate	BPGM12
10nb	School Board Clip	SBG010
15nb	School Board Clip	SBG015
20nb	School Board Clip	SBG020
25nb	School Board Clip	SBG025
32nb	School Board Clip	SBG032
40nb	School Board Clip	SBG040
50nb	School Board Clip	SBG050
65nb	School Board Clip	SBG065
80nb	School Board Clip	SBG080
100nb	School Board Clip	SBG100
10nb	Single Pipe Ring x M10	SSG010
15nb	Single Pipe Ring x M10	SSG015
20nb	Single Pipe Ring x M10	SSG020
25nb	Single Pipe Ring x M10	SSG025
32nb	Single Pipe Ring x M10	SSG032
40nb	Single Pipe Ring x M10	SSG040
50nb	Single Pipe Ring x M10	SSG050
65nb	Single Pipe Ring X M12	SSG065
80nb	Single Pipe Ring x M12	SSG080
100nb	Single Pipe Ring x M12	SSG100
15nb	Double Split Ring M10 Tapped	DSG015
20nb	Double Split Ring M10 Tapped	DSG020
25nb	Double Split Ring M10 Tapped	DSG025
32nb	Double Split Ring M10 Tapped	DSG032
40nb	Double Split Ring M10 Tapped	DSG040
50nb	Double Split Ring M10 Tapped	DSG050
65nb	Double Split Ring M12 Tapped	DSG065
80nb	Double Split Ring M12 Tapped	DSG080
100nb	Double Split Ring M12 Tapped	DSG100

PIPE SUPPORTS

Brass Clips

Our brass range is available in metric and BSP thread sizes where applicable. Pipe clips are also referred to as, clamps, munsen rings and brackets. They are suitable for use when supporting a secure fixing for copper pipes or tube to EN 1057 (formerly referred to as BS2871 part 1:1971). The products are primarily manufactured in cast brass.



Cast Brass

Size	Product	Product Code
M10	Female Backplate	CBBPF
M10	Male Backplate	CBBPM
15mm	Single Split Ring x M10	CBSS015
22mm	Single Split Ring x M10	CBSS022
28mm	Single Split Ring x M10	CBSS028
35mm	Single Split Ring x M10	CBSS035
42mm	Single Split Ring x M10	CBSS042
54mm	Single Split Ring x M10	CBSS054
15mm	Double Split Ring x M10	CBDS015
22mm	Double Split Ring x M10	CBDS022
28mm	Double Split Ring x M10	CBDS028
35mm	Double Split Ring x M10	CBDS035
42mm	Double Split Ring x M10	CBDS042
54mm	Double Split Ring x M10	CBDS054
15mm	Hospital Bracket	CBHB015
22mm	Hospital Bracket	CBHB022
28mm	Hospital Bracket	CBHB028
35mm	Hospital Bracket	CBHB035
42mm	Hospital Bracket	CBHB042
54mm	Hospital Bracket	CBHB054
15mm	School Board Clip	CBSB015
22mm	School Board Clip	CBSB022
28mm	School Board Clip	CBSB028
35mm	School Board Clip	CBSB035
42mm	School Board Clip	CBSB042
54mm	School Board Clip	CBSB054
15mm	School Board Clip (Pressed)	PBSB015
22mm	School Board Clip (Pressed)	PBSB022
28mm	School Board Clip (Pressed)	PBSB028
35mm	School Board Clip (Pressed)	PBSB035
42mm	School Board Clip (Pressed)	PBSB042
54mm	School Board Clip (Pressed)	PBSB054



Chrome Plated Brass

Size	Product	Product Code
M10	Female Backplate	CBBPCP
M10	Male Backplate	CBBPCPM
15mm	Hospital Bracket	CBHBCP015
22mm	Hospital Bracket	CBHBCP022
28mm	Hospital Bracket	CBHBCP028
35mm	Hospital Bracket	CBHBCP035
42mm	Hospital Bracket	CBHBCP042
54mm	Hospital Bracket	CBHBCP054
15mm	Single Split Ring	CBSSCP015
22mm	Single Split Ring	CBSSCP022
28mm	Single Split Ring	CBSSCP028
35mm	Single Split Ring	CBSSCP035
42mm	Single Split Ring	CBSSCP042
54mm	Single Split Ring	CBSSCP054
15mm	School Board Clip	CBSBCP015
22mm	School Board Clip	CBSBCP022
28mm	School Board Clip	CBSBCP028
35mm	School Board Clip	CBSBCP035
42mm	School Board Clip	CBSBCP042
54mm	School Board Clip	CBSBCP054
15mm	School Board Clip (Pressed)	PBSBCP015
22mm	School Board Clip (Pressed)	PBSBCP022
28mm	School Board Clip (Pressed)	PBSBCP028
35mm	School Board Clip (Pressed)	PBSBCP035
42mm	School Board Clip (Pressed)	PBSBCP042
54mm	School Board Clip (Pressed)	PBSBCP054



Copper Saddle Clips

Size (mm)	Product	Product Code
15	Copper Saddle Clip	CSC015
22	Copper Saddle Clip	CSC022
28	Copper Saddle Clip	CSC028

PIPE SUPPORTS

Fixings & Ancillaries

CORE offers an extensive range of fixing and ancillary products that complement our range of pipe support brackets and clamps. The majority of products can be used throughout first fix installations as assembly components with our pipe clamps and brackets.



BZP Hex Head Setscrew (Bolt Only Full Thread)

Size & Length	Product Code
M6 x 25mm	M625
M6 x 30mm	M630
M6 x 40mm	M640
M6 x 50mm	M650
M8 x 25mm	M825
M8 x 30mm	M830
M8 x 40mm	M840
M8 x 50mm	M850
M10 x 20mm	M1020
M10 x 25mm	M1025
M10 x 30mm	M1030
M10 x 35mm	M1035
M10 x 40mm	M1040
M10 x 45mm	M1045
M10 x 50mm	M1050
M10 x 60mm	M1060
M10 x 65mm	M1065
M10 x 70mm	M1070
M12 x 25mm	M1225
M12 x 30mm	M1230
M12 x 35mm	M1235
M12 x 40mm	M1240
M12 x 45mm	M1245
M16 x 25mm	M1625
M16 x 35mm	M1635
M16 x 40mm	M1640
M16 x 45mm	M1645
M20 x 40mm	M2040
M20 x 45mm	M2045
M20 x 50mm	M2050
M20 x 55mm	M2055
M24 x 50mm	M2450
M24 x 60mm	M2460

BZP Hex Bolt (Half Thread Bolt Only)

Size & Length	Product Code
M10 x 75mm	M1075
M12 x 50mm	M1250
M12 x 55mm	M1255
M12 x 60mm	M1260
M12 x 65mm	M1265
M12 x 70mm	M1270
M12 x 75mm	M1275
M12 x 90mm	M1290
M16 x 50mm	M1650
M16 x 55mm	M1655
M16 x 60mm	M1660
M16 x 65mm	M1665
M16 x 70mm	M1670
M16 x 75mm	M1675
M16 x 80mm	M1680
M16 x 90mm	M1690
M16 x 100mm	M16100
M16 x 110mm	M16110
M16 x 120mm	M16120
M16 x 130mm	M16130
M16 x 140mm	M16140
M16 x 150mm	M16150
M16 x 160mm	M16160
M16 x 200mm	M16200
M16 x 220mm	M16220

Size & Length	Product Code
M20 x 60mm	M2060
M20 x 65mm	M2065
M20 x 70mm	M2070
M20 x 75mm	M2075
M20 x 80mm	M2080
M20 x 90mm	M2090
M20 x 100mm	M20100
M20 x 110mm	M20110
M20 x 120mm	M20120
M20 x 130mm	M20130
M20 x 140mm	M20140
M20 x 150mm	M20150
M20 x 160mm	M20160
M24 x 75mm	M2475
M24 x 80mm	M2480
M24 x 90mm	M2490
M24 x 100mm	M24100
M24 x 110mm	M24110
M24 x 120mm	M24120
M24 x 130mm	M24130
M24 x 150mm	M24150

PIPE SUPPORTS

Fixings & Ancillaries



BZP Roofing Bolt (nut included)

Size & Length	Product Code
M6 x 16mm	M616RB
M6 x 20mm	M620RB
M6 x 25mm	M625RB



BZP Hex Nut

Size	Product Code
M6	NM06
M8	NM08
M10	NM10
M12	NM12
M16	NM16
M20	NM20
M24	NM24



Pozi Countersunk Woodscrew

Length & Size	Product Code
3/4" x 8	WS08020
1" x 8	WS08025
1" x 10	WS10025
1.1/4" x 8	WS08032
1.1/4" x 10	WS10032
1.1/2" x 8	WS08040
1.1/2" x 10	WS10040
1.1/2" x 12	WS12040
2" x 8	WS08050
2" x 10	WS10050
2" x 12	WS12050
2.1/2" x 8	WS08065
2.1/2" x 10	WS10065
2.1/2" x 12	WS12065
3" x 8	WS08080
3" x 10	WS10080
3" x 12	WS12080
4" x 10	WS10100
4" x 12	WS12100



BZP Penny/Repair Washer (1.5mm thickness)

Size x Width	Product Code
M6 x 25mm	PW0625
M6 x 30mm	PW06
M8 x 25mm	PW08
M8 x 30mm	MGW0830
M10 x 25mm	MGW1025
M10 x 30mm	PW10
M12 x 30mm	PW12

BZP Form A Washer

Size x Width x Thickness'	Product Code
M6 x 12.5mm x 1.6mm	WM06
M8 x 17mm x 1.6mm	WM08
M10 x 21mm x 2mm	WM10
M12 x 24mm x 2.5mm	WM12
M16 x 20mm x 3mm	WM16
M20 x 37mm x 3mm	WM20
M24 x 44mm x 4mm	WM24



BZP Spring Washer

Size	Product Code
M8	SWM08
M10	SWM10
M12	SWM12
M16	SWM16
M20	SWM20
M24	SWM24

The most commonly used gaskets in piping systems are standard flange gaskets in rubber or fibre, or spiral wound. For particularly large pipes, gaskets can be manufactured in segments of rubber and joined together.

What Standards Cover Gaskets?

The most common standards are:

- BS10:2009: British Standard specification for flanges and bolting for pipes, valves and fittings.
- ANSI: the American National Standards Institute.
- ASA: the American Standards Association (now ANSI).
- ASME: the American Society of Mechanical Engineers. The ASME B16.47 Series A and B took over from MSS SP-44 (Series A) and API 605 (Series B)
- ISO: International Organisation for Standardisation.

British and European Standards

The current standard for use in the UK and Europe is BS EN 1514-1:1997. This standard took over from BS 4865-1:1989 for PN flanges. Other standards include:

- BS EN 1092-1: Concerning flanges for pipes. Establishes the requirements for steel flanges based on their nominal pressure (PN) and dimension (DN). Moreover, it defines the different kinds of flanges and their sealing surfaces, tolerances, threading and labelling.
- BS EN 12560-1:2001: Flanges and their joints. Gaskets for Class-designated flanges. Non-metallic flat gaskets with or without inserts.
- BS EN 12560-2:2013: Flanges and their joints. Dimensions of gaskets for Class-designated flanges. Spiral wound gaskets for use with steel flanges.
- BS EN 12560-3:2001: Flanges and their joints. Gaskets for Class-designated flanges. Non-metallic PTFE envelope gaskets.
- BS EN 14772:2005: Flanges and their joints. Quality assurance inspection and testing of gaskets in accordance with the series of standards EN 1514 and EN 12560.

Flange Packs



The CORE FLANGE-KIT contains all the components necessary for flange sealing. Each kit incorporates a WRAS Approved BS7531 Grade X Gasket and a full set of bolts, nuts and washers that are customised to suit the necessary flange rating.

Flange Packs PN6

Product Code	Size
COREFP6050	50nb CORE Flange Pack
COREFP6065	65nb CORE Flange Pack
COREFP6080	80nb CORE Flange Pack
COREFP6100	100nb CORE Flange Pack
COREFP6125	125nb CORE Flange Pack
COREFP6150	150nb CORE Flange Pack
COREFP6200	200nb CORE Flange Pack

Flange Packs PN16

Product Code	Size
COREFP16050	50nb CORE Flange Pack
COREFP16065	65nb CORE Flange Pack
COREFP16080	80nb CORE Flange Pack
COREFP16100	100nb CORE Flange Pack
COREFP16125	125nb CORE Flange Pack
COREFP16150	150nb CORE Flange Pack
COREFP16200	200nb CORE Flange Pack

Non-Asbestos (PG-X)

PG-X is a high-performance grade of compressed non-asbestos fibre sheet material, manufactured from a carefully selected blend of aramid and inorganic fibres with a nitrile binding system. Designed for demanding sealing applications, PG-X combines excellent mechanical strength with reliable sealing performance across a wide range of industrial environments.

The material meets the requirements of BS 7531 Grade X, making it a dependable choice where consistent quality and proven performance are required. PG-X offers outstanding resistance to compression, stress relaxation and general mechanical loading, helping to maintain gasket integrity even under challenging operating conditions.

PG-X is suitable for use with many common industrial fluids, including hydrocarbons, gases, dilute acids and dilute alkalis. Its versatile performance makes it ideal for applications in sectors such as petrochemical processing, utilities, engineering, manufacturing and general plant maintenance. With its strong sealing capability and non-asbestos construction, PG-X provides a safe, reliable and cost-effective gasket material for a broad range of flange sealing duties.



Non Asbestos (PG-X) - IBC & Full Face

Product Code	Size	Type	Flange Compatibility			
			PN10	PN16	PN25	PN40
NAG16015	15nb (1/2")	IBC	✓	✓	✓	✓
NAG16020	20nb (3/4")	IBC	✓	✓	✓	✓
NAG16025	25nb (1")	IBC	✓	✓	✓	✓
NAG16032	32nb (1.1/4")	IBC	✓	✓	✓	✓
NAG16040	40nb (1.1/2")	IBC	✓	✓	✓	✓
NAG16050	50nb (2")	IBC	✓	✓	✓	✓
NAG16065	65nb (2.1/2")	IBC	✓	✓	✓	✓
NAG16080	80nb (3")	IBC	✓	✓	✓	✓
NAG16100	100nb (4")	IBC	✓	✓	✓	✓
NAG16125	125nb (5")	IBC	✓	✓	✓	✓
NAG16150	150nb (6")	IBC	✓	✓	✓	✓
NAG16200	200nb (8")	IBC	✓	✓	✓	✓
NAG16250	250nb (10")	IBC		✓		
NAG16300	300nb (12")	IBC		✓		
NAG16FF015	15nb (1/2")	Full Face	✓	✓	✓	✓
NAG16FF020	20nb (3/4")	Full Face	✓	✓	✓	✓
NAG16FF025	25nb (1")	Full Face	✓	✓	✓	✓
NAG16FF032	32nb (1.1/4")	Full Face	✓	✓	✓	✓
NAG16FF040	40nb (1.1/2")	Full Face	✓	✓	✓	✓
NAG16FF050	50nb (2")	Full Face	✓	✓	✓	✓
NAG16FF065	65nb (2.1/2")	Full Face	✓	✓	✓	✓
NAG16FF080	80nb (3")	Full Face	✓	✓	✓	✓
NAG16FF100	100nb (4")	Full Face	✓	✓	✓	✓
NAG16FF125	125nb (5")	Full Face	✓	✓	✓	✓
NAG16FF150	150nb (6")	Full Face	✓	✓	✓	✓
NAG16FF200	200nb (8")	Full Face	✓	✓	✓	✓
NAG16FF250	250nb (10")	Full Face		✓		
NAG16FF300	300nb (12")	Full Face		✓		

Non Asbestos (PG-X) - PN6 IBC Only

Product Code	Size	Type	Flange Compatibility	
			PN6	
NAG6015	15nb (1/2")	IBC	✓	
NAG6020	20nb (3/4")	IBC	✓	
NAG6025	25nb (1")	IBC	✓	
NAG6032	32nb (1.1/4")	IBC	✓	
NAG6040	40nb (1.1/2")	IBC	✓	
NAG6050	50nb (2")	IBC	✓	
NAG6065	65nb (2.1/2")	IBC	✓	
NAG6080	80nb (3")	IBC	✓	
NAG6100	100nb (4")	IBC	✓	
NAG6125	125nb (5")	IBC	✓	
NAG6150	150nb (6")	IBC	✓	
NAG6200	200nb (8")	IBC	✓	
NAG6250	250nb (10")	IBC	✓	
NAG6300	300nb (12")	IBC	✓	

Typical Physical Properties

- Thickness: **1.5mm**
- Density: **1.80g/cc**
- Tensile Strength (ASTM F152): **14MPa**
- Compression (ASTM F36J): **7% to 15%**
- Recovery (ASTM F36J): **65%**
- Residual Stress (BS7531 - 40N/mm² @ 300°C): **26 MPa**
- Gas leakage (BS7531): **0.5 ml/min**
- ASTM Oil 1 (ASTM F146): **2.5%**
- ASTM Oil 3 (ASTM F146): **5.0%**
- ASTM Fuel B (ASTM F146): **4.0%**

Spiral Wound (PM-OR)

Spiral wound gaskets are high-performance semi-metallic gaskets manufactured by winding a pre-formed metal strip together with a soft filler material to create a strong, resilient spiral sealing element. This construction provides excellent mechanical resistance, recovery and sealing reliability, making spiral wound gaskets suitable for demanding flange applications.

They are available with or without retaining rings and can be supplied in a wide range of metal and filler material combinations to ensure compatibility with the sealing media, temperature and operating conditions. This versatility allows them to be used across a broad range of industries, including refining, chemical processing, power generation and pipeline construction.

Spiral wound gaskets are particularly suited to arduous operating environments and can be used across the full range of pipe pressure classes, as well as on vessel flanges and other non-standard applications. Depending on the material specification, they are capable of operating from cryogenic temperatures up to 1000°C, and from high vacuum conditions to pressures exceeding 400 bar.

Profile: PM-OR (Sealing Element & Outer Ring)

The PM-OR profile features a spiral wound sealing element with an outer retaining ring. The outer ring helps to centre the gasket within the bolt circle, providing accurate positioning during installation. This profile is commonly used with raised face and flat face flanges, particularly in lower pressure classes where reliable alignment and sealing performance are required.



Filler Materials

Material	Temperature Min. (°C)	Temperature Max. (°C)	Pressure Max. (Bar)
Graphite	-200	450	400
APX2 Graphite	-200	550	400
Graphite HT	-200	550	400
PTFE	-200	260	150
PG-Therm + APX2 Graphite	-200	800	100
PG-Therm	-200	1000	60

Spiral Wound Gasket (PM-OR)

Product Code	Size	Flange Compatibility			
		PN10	PN16	PN25	PN40
SWG163015	15nb (1/2")	✓	✓	✓	✓
SWG163020	20nb (3/4")	✓	✓	✓	✓
SWG163025	25nb (1")	✓	✓	✓	✓
SWG163032	32nb (1.1/4")	✓	✓	✓	✓
SWG163040	40nb (1.1/2")	✓	✓	✓	✓
SWG163050	50nb (2")	✓	✓	✓	✓
SWG163065	65nb (2.1/2")	✓	✓	✓	✓
SWG163080	80nb (3")	✓	✓	✓	✓
SWG163100	100nb (4")	✓	✓	✓	✓
SWG163125	125nb (5")	✓	✓	✓	✓
SWG163150	150nb (6")	✓	✓	✓	✓
SWG163200	200nb (8")	✓	✓	✓	✓
SWG163250	250nb (10")		✓		
SWG163300	300nb (12")		✓		

EPDM (WRAS)

Available in both Full Face (FF) and Inner Bolt Circle (IBC) formats, our EPDM gaskets are manufactured from a high-quality elastomer offering excellent physical and mechanical properties. Designed for reliable sealing performance in water applications, EPDM is a widely used material throughout the water industry and is particularly suited to potable, or drinking water, systems.

Our EPDM gasket material meets the requirements of BS 6920-1:2000 and BS EN 681-1 for cold potable water supply at 23°C, providing confidence for use in approved water service applications. The material has been specifically developed to provide a dependable seal in potable water environments, where cleanliness, durability and long-term performance are essential.

EPDM offers excellent ageing resistance and outstanding resistance to ozone, weathering and general environmental exposure. These properties make it a robust choice for pipe flange sealing, water treatment installations, distribution networks and general utility applications. Available as Full Face gaskets for use across the full flange face, or as IBC gaskets designed to sit within the bolt circle, this product offers flexibility to suit a wide range of flange configurations.

EPDM is not suitable for sealing against oils, fuels or other hydrocarbon-based media. However, for potable water and general water industry applications, it provides a reliable, cost-effective and proven gasket solution.

Typical Physical Properties

- Polymer: **EPDM**
- Density (SG) (ASTM D297-93): **1.22/cm³(+/-0.03)**
- Hardness (ASTM D1415-06): **66 - 75° Shore A**
- Tensile Strength (ASTM D412-06): **≥ 9.0 MPa**
- Compression Set (ASTM D395-03): **≤ 15% @ 23°C**
- Compression Set (ASTM D395-03): **≤ 20% @ 70°C**
- Elongation at Break (ASTM 412-06): **≥ 200%**
- Temperature Range: **-40 to 120°C**
- Pressure: **24 Bar Maximum**



EPDM (WRAS) - IBC

Product Code	Size	Type	Flange Compatibility			
			PN10	PN16	PN25	PN40
RUB16015	15nb (1/2")	IBC	✓	✓	✓	✓
RUB16020	20nb (3/4")	IBC	✓	✓	✓	✓
RUB16025	25nb (1")	IBC	✓	✓	✓	✓
RUB16032	32nb (1.1/4")	IBC	✓	✓	✓	✓
RUB16040	40nb (1.1/2")	IBC	✓	✓	✓	✓
RUB16050	50nb (2")	IBC	✓	✓	✓	✓
RUB16065	65nb (2.1/2")	IBC	✓	✓	✓	✓
RUB16080	80nb (3")	IBC	✓	✓	✓	✓
RUB16100	100nb (4")	IBC	✓	✓	✓	✓
RUB16125	125nb (5")	IBC	✓	✓	✓	✓
RUB16150	150nb (6")	IBC	✓	✓	✓	✓
RUB16200	200nb (8")	IBC	✓	✓	✓	✓
RUB16250	250nb (10")	IBC	✓	✓	✓	✓
RUB16300	300nb (12")	IBC	✓	✓	✓	✓

EPDM (WRAS) - Full Face

Product Code	Size	Type	Flange Compatibility			
			PN10	PN16	PN25	PN40
RUB16FF020	20nb (3/4")	Full Face	✓	✓	✓	✓
RUB16FF025	25nb (1")	Full Face	✓	✓	✓	✓
RUB16FF032	32nb (1.1/4")	Full Face	✓	✓	✓	✓
RUB16FF040	40nb (1.1/2")	Full Face	✓	✓	✓	✓
RUB16FF050	50nb (2")	Full Face	✓	✓	✓	✓
RUB16FF065	65nb (2.1/2")	Full Face	✓	✓	✓	✓
RUB16FF080	80nb (3")	Full Face	✓	✓	✓	✓
RUB16FF100	100nb (4")	Full Face	✓	✓	✓	✓
RUB16FF125	125nb (5")	Full Face	✓	✓	✓	✓
RUB16FF150	150nb (6")	Full Face	✓	✓	✓	✓
RUB16FF200	200nb (8")	Full Face	✓	✓	✓	✓
RUB16FF250	250nb (10")	Full Face	✓	✓	✓	✓
RUB16FF300	300nb (12")	Full Face	✓	✓	✓	✓

PIPE SUPPORTS

Gaskets & Product Selector

Graphite Gasket (PG-T)

PG-T is a high-quality graphite laminate gasket material, manufactured from exfoliated graphite mechanically bonded to a 316 stainless steel tanged insert. This construction provides the excellent sealing performance of graphite, combined with enhanced mechanical strength and stability for demanding flange applications.

PG-T offers outstanding stress retention and recovery properties, helping the gasket maintain an effective seal under fluctuating pressure and temperature conditions. The material is chemically resistant to most industrial fluids and is capable of sealing across a wide temperature range.

Used throughout industry, PG-T is particularly suited to sealing steam, hydrocarbons and many chemicals. Its strength, temperature capability and chemical resistance make it a reliable choice for process plants, petrochemical applications, utilities and general high-performance sealing duties.

Typical Physical Properties

- Thickness: **1.5mm**
- Density: **1.0g/cc**
- Insert Thickness: **0.1mm**
- Compression (ASTM F36J): **30% to 37%**
- Recovery (ASTM F36J): **20%**
- Residual Stress (BS7531 - 40N/mm² @ 300°C): **37 MPa**
- Gas Leakage (BS7531): **<1.0 ml/min**
- Ash Content: **1.0% max**
- Chloride Content: **45 ppm max**
- Sulphur Content: **1200 ppm max**



Graphite (PG-T) - IBC Only

Product Code	Size	Flange Compatibility			
		PN10	PN16	PN25	PN40
PSM16015	15nb (1/2")	✓	✓	✓	✓
PSM16020	20nb (3/4")	✓	✓	✓	✓
PSM16025	25nb (1")	✓	✓	✓	✓
PSM16032	32nb (1.1/4")	✓	✓	✓	✓
PSM16040	40nb (1.1/2")	✓	✓	✓	✓
PSM16050	50nb (2")	✓	✓	✓	✓
PSM16065	65nb (2.1/2")	✓	✓	✓	✓
PSM16080	80nb (3")	✓	✓	✓	✓
PSM16100	100nb (4")	✓	✓	✓	✓
PSM16125	125nb (5")	✓	✓	✓	✓
PSM16150	150nb (6")	✓	✓	✓	✓
PSM16200	200nb (8")	✓	✓	✓	✓
PSM16250	250nb (10")		✓		
PSM16300	300nb (12")		✓		

Product Selector

	EPDM (WRAS)	NON-ASBESTOS (PG-X)	GRAPHITE (PG-T)	SPIRAL WOUND
Potable Water	✓	✓		
Steam			✓	✓
Gas		✓	✓	✓
PN16 & CLASS 150		✓	✓	✓
PN40 & CLASS 300		✓	✓	✓
>PN40 & CLASS 300				✓
Plastic Flanges	✓			

Rubber Feet (with strut)

A practical and versatile support solution to support cable management, ducting and pipework installations. All feet have a 41mm x 21mm bonded channel, which is recessed into the top face. The range is made from recycled SBR rubber and reduces vibration and noise absorption with different load capacities depending on foot size.



Product Code	Size	Working Temp Range	Max Load (per foot)
SFFX250	250mm	-40°C to 80°C	160kg
SFFX400	400mm	-40°C to 80°C	240kg
SFFX600	600mm	-40°C to 80°C	450kg
SFFX1000	1000mm	-40°C to 80°C	645kg

H Frame Kits (strut not included)

The H frame kit is a quick and easy solution for cable management, ducting and pipework installations. The kit is supplied in a box complete with two feet and one fixing kit.

Specification

- High-Density Polyethylene (HDPE)
- Closed cell polyethylene anti-vibration pads pre-attached to feet
- 10 year warranty
- Available in 305mm (350kg load) & 500mm (500kg load)



Product Code	Size	Max Load
SFHKF305	305mm	350kg
SFHKF500	500mm	500kg

CONTROLS

A range of controls are available to help monitor system performance in commercial and industrial applications. These instruments can be installed at any point within the system to monitor pressure or temperature variations, helping to ensure efficient operation, maintain system safety, and support ongoing maintenance and performance checks.



Access all technical documents for the **Thermometers and Gauges** range 24/7 by scanning this QR code.

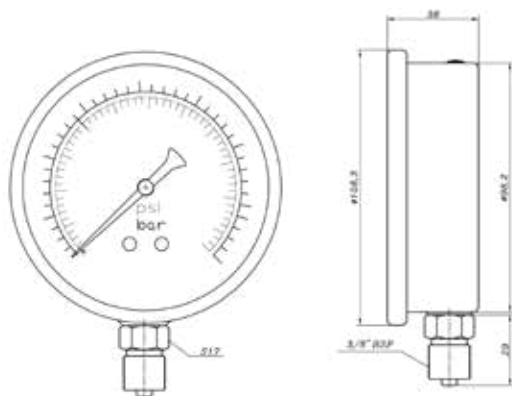


CORE offers a reliable range of high-quality pressure gauges designed to meet the demands of a wide variety of applications. Available in both bottom-entry and back-entry configurations, these gauges provide flexibility for different installation requirements while maintaining consistent performance and accuracy.

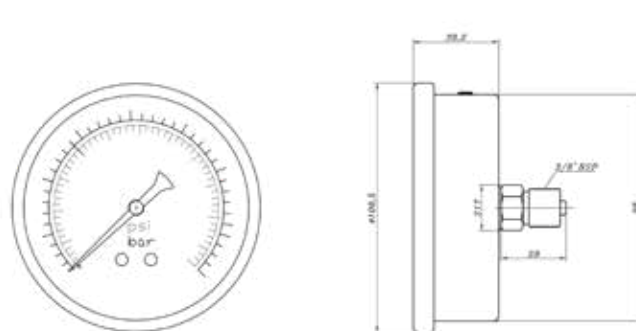
The range is available with 4, 7, 11 and 16 bar pressure options, making it easy to select the most suitable gauge for your system. Each gauge features a 100 mm dial for clear, easy-to-read measurement, a durable stainless-steel bezel, and a standard 3/8 inch BSP connection for straightforward installation. Each gauge is also fitted with a blow-out disk, providing an additional safety feature by allowing pressure to be safely released from the rear of the case in the event of internal failure.

All CORE pressure gauges are tested in accordance with EN 837-1 standards, giving users confidence in their quality, safety and reliability. For applications requiring additional documentation, calibration and test certificates are available on request.

Bottom Entry Diagram



Back Entry Diagram



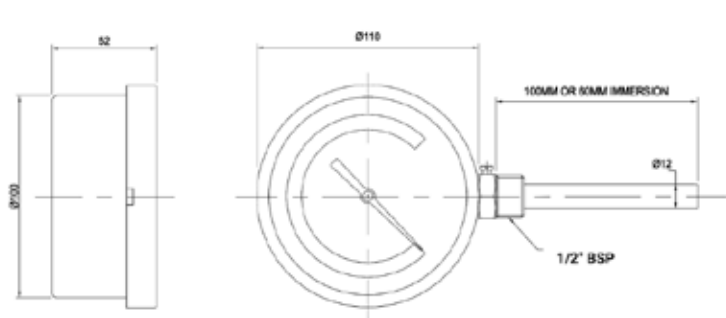
Product Code	Application	Dial Size	Connection size	Pressure range	Entry	Inc. Cal cert
BC04	Indoor	100mm	3/8"	0-4 Bar	Bottom	
BC07	Indoor	100mm	3/8"	0-7 Bar	Bottom	
BC11	Indoor	100mm	3/8"	0-11 Bar	Bottom	
BC16	Indoor	100mm	3/8"	0-16 Bar	Bottom	
BC07CAL	Indoor	100mm	3/8"	0-7 Bar	Bottom	✓
BC11CAL	Indoor	100mm	3/8"	0-11 Bar	Bottom	✓
BC07BACK	Indoor	100mm	3/8"	0-7 Bar	Back	
BC11BACK	Indoor	100mm	3/8"	0-11 Bar	Back	
BC16CALBK	Indoor	100mm	3/8"	0-16 Bar	Back	✓
BC04EX	Outdoor	100mm	3/8"	0-4 Bar	Bottom	
BC07EX	Outdoor	100mm	3/8"	0-7 Bar	Bottom	
BC11EX	Outdoor	100mm	3/8"	0-11Bar	Bottom	
BC16EX	Outdoor	100mm	3/8"	0-16 Bar	Bottom	
BC04BACKEX	Outdoor	100mm	3/8"	0-4 Bar	Back	
BC07BACKEX	Outdoor	100mm	3/8"	0-7 Bar	Back	
BC11BACKEX	Outdoor	100mm	3/8"	0-11 Bar	Back	
BC16BACKEX	Outdoor	100mm	3/8"	0-16 Bar	Back	

CORE offers a dependable range of high-quality thermometers designed for accurate and reliable temperature measurement across a variety of applications. Available in both bottom-entry and back-entry configurations, these thermometers offer flexibility for various installation requirements while maintaining a clear, professional finish.

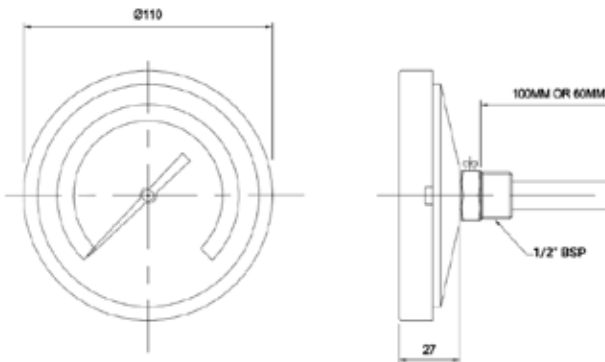
The range is available with immersion depths of 60 mm or 100 mm, allowing users to select the immersion depth that best suits their system. Each thermometer features a ½ inch BSP male connection for straightforward installation and a durable polished stainless-steel bezel for added strength and appearance.

All CORE thermometers are tested in accordance with EN 13190 standards, giving users confidence in their quality, safety and reliability. Designed to operate at up to 120°C, they provide a practical, robust solution for everyday temperature monitoring.

Bottom Entry Diagram



Back Entry Diagram



Product Code	Dial Size	Connection size	Immersion depth	Temperature range	Entry
63120V	100mm	½"	60mm	0-120°C	Bottom
100120V	100mm	½"	100mm	0-120°C	Bottom
63120H	100mm	½"	60mm	0-120°C	Back
100120H	100mm	½"	100mm	0-120°C	Back

Please Note: These products are not suitable for outdoor use

CONTROLS

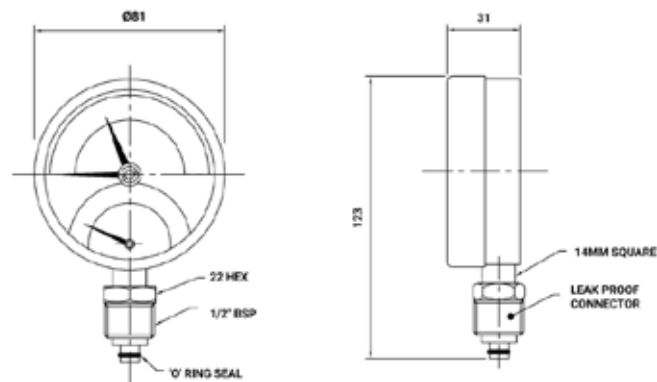
Combined Gauges

CORE offers a practical range of combined pressure and temperature gauges, designed to provide clear, reliable monitoring from a single, compact instrument. Available in both back-entry and bottom-entry configurations, these gauges offer flexibility for different installation requirements and system layouts.

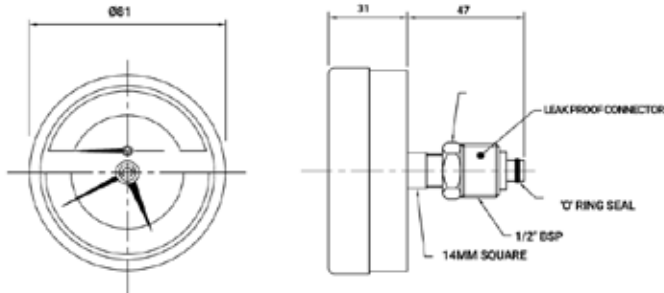
Each gauge features a ½ inch male connection for straightforward fitting and is suitable for applications operating up to 6 bar and 120°C. The gauges are housed in a durable, powder-coated, black-finished mild-steel case, providing a robust, professional appearance.

Combining pressure and temperature measurement in a single unit, CORE gauges offer a convenient solution for everyday system monitoring where space, visibility, and reliability are important.

Bottom Entry Diagram



Back Entry Diagram



Product Code	Dial Size	Connection size	Pressure range	Temperature range	Entry
BC06120BACK	80mm	½"	0-6 Bar	0-120°C	Back
BC06120	80mm	½"	0-6 Bar	0-120°C	Bottom

Please Note: These products are not suitable for outdoor use

Non-CORE accessories available from Smith Brothers

A wide range of supporting accessories is also available to complement the CORE product offering, providing a complete solution for system installation, monitoring, and maintenance. This includes essential items such as syphons and gauge cocks, designed to support reliable performance across a variety of applications.

These accessories are selected to work alongside the wider CORE range, making it easier to source compatible products from one trusted supplier. With stock held nationwide at Smith Brothers, customers can benefit from dependable availability, convenient ordering and efficient supply when they need it.



Product Code	Size and Description
SUS010	10nb Mild Steel U Syphon
SUS015	15nb Mild Steel U Syphon
BUS010	10nb Brass U Syphon
SRS010	10nb Mild Steel Ring Syphon
SRS015	15nb Mild Steel Ring Syphon
BRS010	10nb Brass Ring Syphon
GC008	8nb Brass Gauge Cock
GC010	10nb Brass Gauge Cock
GC015	15nb Brass Gauge Cock
63POC	50mm x 1/2" Brass Thermometer Pocket c/w Grubscrew
100POC	100mm x 1/2" Brass Thermometer Pocket c/w Grubscrew

100mm PRESSURE GAUGES

- 4 - 16 bar options available
- 3/8" BSP male connection
- Tested to EN 837-1 standards
- Stainless steel bezel
- Blow-out disc
- Brass/bronze wetted materials
- Bourdon tube



BOTTOM ENTRY

- BC04
- BC07
- BC07CAL
- BC11
- BC11CAL
- BC16



BACK ENTRY

- BC07BACK
- BC11BACK
- BC16CALBK

100mm BI-METAL THERMOMETERS

- 0 - 120°C & 0 - 240°F
- 1/2" BSP male connection
- Tested to EN 13190 standards
- Polished stainless steel bezel
- Solid drilled brass pocket (stainless steel available on request)



BOTTOM ENTRY

- 63120V
- 100120V



BACK ENTRY

- 63120H
- 100120H

80mm COMBINED PRESSURE AND TEMPERATURE GAUGES

- 0 - 6 bar pressure range
- 0 - 120°C temperature range
- 1/2" male BSP connection
- Bright bezel
- Mild steel, black powder coated case



BOTTOM ENTRY

- BC06120



BACK ENTRY

- BC06120BACK

ACCESSORIES

U SYPHON

- 10nb - SUS010
- 10nb - BUS010 (Brass)
- 15nb - SUS015



GAUGE COCKS

- 8nb - GC008
- 10nb - GC010
- 15nb - GC015



RING SYPHON

- 10nb - SRS010
- 10nb - BRS010 (Brass)
- 15nb - SRS015



THERMOMETER POCKET

- 50mm - 63POC
- 100mm - 100POC





CORE® CONTROL VALVES

Complete, integrated solution that brings control and confidence to every system.

Complete your gauges and thermometers installation with our range of CORE pressure and temperature control valves.

- **PRVs**
- **TMVs**
- **TBVs**
- **Double Reg Valves**



CONSUMABLES

A comprehensive range of essential plumbing and heating consumables, trusted by installers and built for commercial, industrial, and domestic use. Featuring installer favourites such as CORE White and Pipe Sealing Cord, the CORE range delivers reliable solutions for every consumable requirement. Designed with ease of use in mind, the range brings together high-quality products that professionals depend on day after day.



Access all technical documents for the **Consumables** range 24/7 by scanning this QR code.



Reciprocating Saw Blades

Designed for reliable cutting across a variety of pipe profiles, CORE saw blades are a practical consumable for plumbing, heating, commercial, industrial, and domestic installation work. Supplied in convenient packs of 5, they are suitable for cutting thin sheet metal, non-ferrous metals, and solid pipes or profiles.

Manufactured from **BIM D6A M42** material, the blades offer strength and durability for everyday site use, providing a dependable solution for clean, controlled cutting where accuracy and consistency matter.

Length	Teeth per inch (TPI)	Blade Thickness	Max Cutting Thickness	Pack Quantity	Product Code
150mm	14	0.9mm	4mm	5	CORERB150014
150mm	18	0.9mm	4mm	5	CORERB150018



SDS Drill Bits

CORE SDS drill bits are designed to deliver sharp, accurate, and dependable drilling performance across a range of tough building materials, including masonry, concrete, and natural stone. Featuring durable carbide cutting edges, they provide the strength needed for consistent results on site.

The spiralled flute design helps clear dust and debris efficiently while drilling, supporting smoother operation and reducing resistance through the material. A centre tip allows for a precise start to drilling, helping blades minimise movement on contact and improve guidance throughout the drilling process.

Length	Thickness	Product Code
110mm	5mm	CORES05110
110mm	5.5mm	CORES055110
160mm	6mm	CORES06160
160mm	7mm	CORES07160
160mm	8mm	CORES08160
160mm	10mm	CORES10160
160mm	12mm	CORES12160
260mm	16mm	CORES16260
260mm	18mm	CORES18260
260mm	25mm	CORES25260



A range of essential hand tools are available from CORE to support installers with day-to-day tasks across a variety of installation and maintenance activities. Designed to improve efficiency, reliability, and ease of use on site, these tools help ensure installers have the equipment they need to carry out work safely and effectively. The range includes practical, high-quality tools suitable for both routine jobs and more specialised installation requirements.

Automatic Tube Cutter

Cuts copper, brass, aluminium, thin-walled steel, and sound-insulated pipes or tubes. An integrated ratchet telescopic guide enables quick adjustment with automatic retraction whilst the monoblock construction ensures it is sturdy and stable with an integrated deburrer.



Product Code	Size
COREAUTOTUBE	6-67mm

Heavy Duty Wrench

High strength one piece construction, with large capacity jaws and induction hardened teeth.



Product Code	Size
COREHDWRENCH14	14"
COREHDWRENCH18	18"
COREHDWRENCH24	24"
COREHDWRENCH36	36"

Steel Pipe Cutter

It features a high alloy steel tempered cutting wheel, ensuring longevity, as well as wide guide rollers that safely guide the cutting wheel during use, cutting steel pipe.



Product Code	Size
CORESTPIPECUTTER032	1.¼"
CORESTPIPECUTTER050	2"

Stillson Wrench

Classic stillson design in forged and tempered steel. Unbreakable housing and shaft with induction hardened teeth.



Product Code	Size
CORESTILLSONWRENCH14	14"
CORESTILLSONWRENCH18	18"
CORESTILLSONWRENCH24	24"

Water Pump Pliers

Suitable for use in hard-to-reach areas, the pliers are long and slim with self-clamping jaws that provide a non-slip grip even on smooth pipes. Additionally, anti-slip plastic handles provide high grip safety when working with water and oil.



Product Code	Size
COREWATERPLIER10	10"
COREWATERPLIER12	12"

Wide Jaw Adjustable Wrench

Hot forged from chrome vanadium steel to industrial standard specifications. This wrench has a smooth, accurate size adjustment. Non-slip ergonomic soft grip handles deliver a positive grip during use. They are supplied with removable soft-grip jaw protectors which prevent damaging chrome or polished surfaces.



Product Code	Size
COREWIDEJAWWRENCH6	6"
COREWIDEJAWWRENCH8	8"
COREWIDEJAWWRENCH10	10"

Offset Aluminium Wrench

A 90° self-clamping, one-handed corner pipe wrench with replaceable jaws.



Product Code	Size
COREOFFSETALUWRENCH14	14"

Aluminium Wrench

Features similar to Heavy Duty Pipe Wrenches but 40% lighter due to aluminium alloy handle construction.



Product Code	Size
COREALUWRENCH14	14"
COREALUWRENCH18	18"
COREALUWRENCH24	24"
COREALUWRENCH36	36"



CORE White

CORE White is a high-quality, linseed oil-based jointing compound formulated to provide a smooth, reliable seal on threaded and flanged joints. It is lead-free and designed to ensure ease of application while still allowing joints to be dismantled when required, making it both practical and versatile in use.

Widely used across the plumbing and gas-fitting industries, CORE White is suitable for use on both flanged and screw-threaded connections. It is compatible with a broad range of services, including natural gas, town gas, water, steam, brine, alcohol, and compressed air, offering dependable performance across demanding applications.

Product Code	Size
COREWHITE	400g



Thread Sealant



Thread Sealant is a high-performance anaerobic thread sealant designed to create a secure, leak-proof seal on threaded metal fittings. The formula cures rapidly in the absence of oxygen, activating when air is excluded between two mating metal surfaces. Once applied, the blue liquid begins to cure within minutes (see curing times), forming a durable bond that helps prevent loosening, leaks, and vibration-related movement.

Engineered for reliability across a wide range of applications, Thread Sealant is most commonly used on brass and steel fittings, and delivers excellent performance on stainless steel, aluminium, and BZP steel components.

Product Code	Size	WRAS
CORETS050	50ml	✓
CORETS250	250ml	✓



Sealing Cord



Pipe sealing cord 160m in length suitable for sealing metal and plastic threaded pipe and fittings for applications up to 149°C. Instantly seals requiring no cure time resulting in an immediate, full pressure seal, making it an ideal choice for a quick, easy and reliable seal.

Product Code	Size	WRAS
COREPIPESEAL	160 Metres	✓



Tape Measure

Built for durability on the toughest jobs, the CORE Heavy Duty Tape Measure delivers accurate, reliable measurements every time. Featuring a robust casing and smooth blade action, it's designed for long-lasting performance on site.

Product Code	Size (Length and Width)
CMT0525	15m x 25mm



Abrasive Pads

Textured non splintering abrasive mini pads general grade. This waterproof, washable, metal-free long-lasting product is an alternative to traditional steel wool. Versatile for various surface treatment, cleaning and polishing applications.

Abrasive Strips

Silicone abrasive cleaning strips are tough, waterproof & long lasting. A high-performance alternative to steel wool, emery and sandpaper. A waterproof, washable, non-clogging, open mesh abrasive that can be used on both sides, in both wet and dry conditions.

Product Code	Description	Pack Quantity
CTMP	Cleantex Abrasive Mini Pads (Green)	5
CFMS	Cleanfit Abrasive Mini Strips	10
CFROLL5M	Cleanfit 5M Abrasive Strip	1 roll



Foil Tape

Self-adhesive aluminium foil tape in 50mm or 100mm width options. Suitable for pipe lagging, duct sealing, heating and ventilation.

Product Code	Length	Width	Thickness
COREALUTAPE050	50mm	45m	0.04
COREALUTAPE100	100mm	45m	0.04



Rags

Bag of heavy duty general-purpose industrial rags, mix of colours. Suitable for a wide range of applications, these cotton rags offer excellent absorbency and provide durable long lasting use.

Product Code	Size
BOR	10kg Bag



PTFE



WRAS approved PTFE tape available in white conforming to BS7786-1995 and yellow high density tape for gas conforming to EN 751-3 BS6920.

Product Code	Application	WRAS
PTFE	Water	✓
PTFEG	Gas	✓



Hemp

Hemp is made from high-quality hemp fibres, specifically designed for sealing pipe threads. Used as a filler in conjunction with a thread paste to produce a tight seal and provide an effective barrier against leaks ensuring optimal sealing performance for leak-free connections.

Product Code	Size
HEMPDIS	80g
HEMPREF	80g Refill



Solder Wire

Coil reel of lead-free solder wire, suitable for most plumbing applications requiring perfect joints, quickly and cleanly.

Product Code	Size
LFS500	500g Coil



Weld Electrodes

Mild steel welding electrodes in 5kg boxes which have a rutile potassium based flux coating, conforming to E6013 specification.

Product Code	Size (Thickness and Length)
COREWE25350	2.5mm x 350mm
COREWE32350	3.2mm x 350mm
COREWE40350	4.0mm x 350mm

WRAS approved STCW Tap Connectors

CORE offers a comprehensive range of tap connectors available in various sizes and end connection configurations to suit a wide range of applications. Each tap connector features a braided flexible hose assembly with a compression fitting at the system connection end and a swivel connector at the opposing end, providing ease of installation and reliable performance.

WRAS approved STCW Tap Connectors

Product Code	Connection Size	Length	Pack Quantity
FTCW015	15mm x 1/2"	300mm	1
FTCW022	22mm x 3/4"	300mm	2

WRAS approved STCW Tap Connectors with Isolating Valve connector

Product Code	Connection Size	Length	Pack Quantity
FTCIW015	15mm x 1/2"	300mm	1



Marker Pens

CORE black marker pens are high-quality, durable markers designed for everyday use on-site. Ideal for marking pipework and installation points when working with the CORE press-fit range, they provide clear, reliable marking on a variety of surfaces. Compact and practical, they are an essential handy tool for installers and engineers alike.



Product Code	Colour	Pack Quantity
CMP3PC	Black	3



PRODUCT	KEY INFORMATION	POTABLE WATER	NON-POTABLE WATER	COMPRESSED AIR	NATURAL & TOWN GAS	LPG (GAS)	OIL & PETROL	STEAM
CORE White	Up to 284°C 25 bar max pressure		✓	✓	✓	✓		✓
Thread Sealant	-50°C to 150°C Designed to exceed pipe bursting pressure point	✓	✓	✓	✓	✓	✓	✓ Up to 150°C
Pipe Sealing Cord	Up to 149°C 1000 bar max pressure	✓	✓		✓	✓		✓
PTFE (Water)	Up to 180°C (continuous) 260°C Intermitant 30 bar max pressure	✓	✓					
PTFE (Gas)	-60°C to 260°C Impermeable to >20bar		✓		✓	✓	✓	
Lead Free Solder Wire	Melting temp 227°C Pressure subject to jointing method	✓	✓		✓	✓		
Hemp	Up to 135°C 200 bar max pressure	✓	✓					

Disclaimer

The information is believed to be correct at the time of publication; however, the document is for guideline use only. For complete accuracy, always check the product with a CORE representative. Missing information was either not available or disclosed. It is your responsibility that any product meets the necessary requirements. Any reliance placed upon this information will be totally at the user's risk.

GENERAL INFORMATION

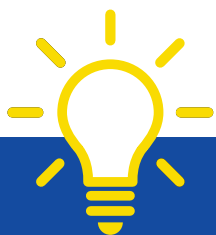
MEP Tool Hire

Smith Brothers have teamed up with MEP Hire, the leading provider of M&E tools. MEP specialise in supporting companies servicing the mechanical, electrical and plumbing industries. The partnership was developed for a sole purpose - to give our customers discounted hire rates while solving any tooling issues.

The discounted rates work on the basis that with 'group buying' through the SBS account, individuals can achieve greater discounts than would usually be available to them. MEP have access to the largest low level access fleet in Europe (covering heights 1.5m to 5.1m) along with a national fleet of MEP mobile service engineers available to minimise customer downtime.

THE BENEFITS OF HIRING THROUGH MEP:

- Largest press tool fleet within the UK
- One of the youngest hire fleets within the sector, continually updated
- Able to offer a comprehensive package of support, sales, hire and repair of HDPE installation equipment
- Including related ancillary items such as TIN 12 specification generators
- With a massive investment strategy, it enables them to grow the hire fleet within a specialist hire market
- Specific tooling specialists 'on hand' to tailor equipment to customer requirements



SCAN ME



Tool Hire
Account Form

HOW TO ORDER



TOOL HIRE ACCOUNT FORMS

Available to download via www.sbs.co.uk, the QR code below, or collect from any Smith Brothers representative.



PHONE

0844 892 1902

Monday to Friday: 07:30 to 17:00

Saturday: 08:00 to 12:00



EMAIL

sbs.hirestation@vpplc.com

To speed up your order, it helps to have the following information to hand before you contact us:

- Details of the equipment you require
- The delivery address (including postcode)
- Contact phone number
- Credit/debit card details or your account number

Press Tools and Jaw Sets

Quick and easy to use, helping you to save time and improve efficiency.



MEP Hire

Mechanical, Electrical & Low Level Access Specialists

HIRE TODAY!

T: 0844 892 1902

E: sbs.hirestation@vpplc.com

CORE COPPER PRESS-FIT TRAINING AVAILABLE



CORE offers **FREE** product installation training on their exclusive Press-Fit Range.

Contact your local branch or account manager for more information.

Notes

[illegible]

[illegible]

GENERAL INFORMATION

T&C's of Sale (SBS)

Smith Brothers Stores Limited (we, us, or SBS) is registered in England and Wales as company number 962846.

Our registered office is at Unit V2 Blaby Industrial Park, Winchester Avenue, Blaby, Leicester, LE8 4GZ.

We do not sell to consumers. Our products are available for purchase by other businesses only.

AGREED TERMS

1. DEFINITIONS

The following definitions apply in this agreement:

Business Day any day other than a Saturday, a Sunday, or a bank holiday in England and Wales.

Contract defined in clause 2.3.

Terms of Sale this document.

2. OUR CONTRACT WITH YOU

2.1 When you place an order with us, you offer to buy the products in your order for the prices we quote to you when you place the order. Each offer is subject to and incorporates these Terms of Sale.

2.2 You warrant to us that you are placing each order on behalf of a business and not as a consumer.

2.3 Your order, read together with these Terms of Sale, becomes a legally binding Contract only if we accept the order by:

- (a) delivering to you at least one of the products in your order; or
- (b) confirming in writing our acceptance of your order.

2.4 We do our best to make sure the prices we quote to you are correct. However, mistakes happen. If you place an order for a product that we have mispriced, the pricing error is obvious, and you should reasonably have recognised the price as mistaken, then we may cancel your order and refund you in full.

3. OUR PRODUCTS

3.1 Any product images in our print and online catalogues are for illustrative purposes only. The packaging and colour of the products you receive could differ from those images.

3.2 We may change the specification of any products you order if required by any applicable statutory or regulatory requirement.

4. PRICING AND PAYMENT

4.1 All prices exclude VAT. Unless stated otherwise in the product Size or on the order form, prices also exclude delivery.

4.2 If we quote you a price in orally or in writing, the quote is valid for 30 days only.

4.3 We require payment in full when you place an order, subject to clause 4.4.

4.4 In our discretion, we may accept your order on credit and issue an invoice to you instead of requiring immediate payment. Payment of each such invoice is due at the end of the month following the date of the invoice.

5. DELIVERY, RISK, AND TITLE

5.1 We cannot guarantee delivery dates. If we provide a delivery date, it is an estimate only. We are not liable to you for any losses due to late delivery of products in an order, and the time of delivery is not of the essence in any Contract.

5.2 Risk in all products transfers from us to you upon delivery. A product is deemed to be delivered by us to you once either:

- (a) we (or a carrier contracted by us) delivers it to you at the delivery address agreed in the Contract; or
- (b) you (or a carrier contracted by you) collect it from us.

5.3 Notwithstanding delivery and the passing of risk, property in and title to the goods remains with us until we receive payment of the full price of:

- (a) all Goods and Services in the Contract and
- (b) all other goods and services supplied by us to you under any contract whatsoever. Payment of the full price includes, without limitation, the amount of any interest or other sum payable under the terms of this and all other contracts between us and you.

5.4 Until title to goods in a Contract passes from us to you under clause 5.2, you must:

- (a) store the goods so that it's obvious they belong to us;
- (b) not remove, deface, or obscure any labels or identifying marks on the goods;
- (c) keep the goods in good and substantial repair, and keep them insured against all risks on our behalf for the full value of those goods using an insurer that is reasonably acceptable to us; and
- (d) inform us, upon reasonable request, about the condition of the Equipment and any risk that your business may become insolvent.

6. WARRANTIES

6.1 As a buyer working in a skilled trade, you are solely responsible for making sure the goods you order from us are suitable for your purposes. We will not advise you on the correct use of the goods, and we do not warrant that the goods you buy from us are fit for your purposes.

6.2 We promise that upon delivery all goods we sell you will:

- (a) conform with their Size, subject to clause 3; and
- (b) be free from material defects in design, material, and workmanship.

6.3 You must inspect the goods promptly after delivery. If we deliver defective goods to you, then you must:

- (a) notify us in writing within three Business Days after delivery;
- (b) give us a reasonable opportunity to examine the defective goods; and
- (c) return the goods to us at your cost if we ask you to.

6.4 If you comply with clause 6.3, then at our option we must either:

- (a) repair or replace the defective goods; or
- (b) fully refund the price (plus VAT) you paid us for the defective goods.

6.5 To the fullest extent permitted by law, each Contract excludes all conditions or warranties that would otherwise be implied by law.

6.6 These Terms of Sale also apply to any repaired or replacement goods we supply to you.

7. RETURNS

- 7.1 All sales are final, subject to clause 7.2.
- 7.2 You may request to return non-defective goods to us in a resalable condition in exchange for a credit on your account. We may accept or refuse the return of goods in our sole discretion. All returns are subject to a restocking charge of at least 25% (we will quote the restocking charge on an item-by-item basis before accepting any return). Title in any returned goods passes from you to us once we credit your account with the purchase price less the restocking charge.

8. LIMITS OF LIABILITY

- 8.1 The restrictions on liability in this clause 8 apply to every liability arising under or in connection with a Contract, including liability in contract, negligence, tort, or delict.
- 8.2 Our total liability to you under each Contract cannot exceed the larger of either £100,000 or the total value of the goods purchased under that Contract, plus reasonable legal costs.
- 8.3 We are not liable to you for:
- (a) indirect or consequential losses;
 - (b) special damages; or
 - (c) damages for loss of contracts or lost profits.
- 8.4 Nothing in these Terms of Sale limits any party's liability for death, personal injury, fraud, or fraudulent misrepresentation.

9. GENERAL

- 9.1 Entire agreement. Each Contract contains the entire agreement between you and us about the sale and purchase of the items listed in the corresponding order. A Contract can only be amended by a further written agreement between you and us that contains an express term stating an intention to amend that Contract.
- 9.2 Third party rights. Nothing in a Contract is enforceable by anyone except you and us.
- 9.3 Assignment. We may assign any of our rights under a Contract to a third party. You may not assign any of your rights under
- (a) Contract to a third party without our consent.

10. GOVERNING LAW AND JURISDICTION

- 10.1 If delivery of the goods occurs in Scotland, the Contract is governed by Scots law, and the parties must submit to the exclusive jurisdiction of the Scottish Courts to resolve any disputes arising under or in connection with the Contract.
- 10.2 If delivery of the goods occurs in Northern Ireland, the Contract is governed by Northern Irish law, and the parties must submit to the exclusive jurisdiction of the Courts of Northern Ireland to resolve any disputes arising under or in connection with the Contract.
- 10.3 If delivery of the goods occurs anywhere other than Scotland or Northern Ireland, the Contract is governed by English law, and the parties must submit to the exclusive jurisdiction of the Courts of England & Wales to resolve any disputes arising under or in connection with the Contract.

[View T&C's & all our Distribution Partners Policies online](#)

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GENERAL INFORMATION

Distribution Partner Approvals

Our distribution partner SBS are constantly looking for ways to improve their operation. One way they do this is by teaming up with reputable industry accreditation organisations to ensure the business promotes the best industry practice.

Accreditations are often from external organisations that set standards for a business to adhere to, whether this be an activity or to hold and retain a certain status.



Smith Brothers are ISO 9001 certified. ISO 9001 is the world's most recognised quality management system standard, established by the International Organisation for Standardisation (ISO). ISO 9001 helps organisations implement clear, repeatable processes to maintain a quality service for their customers every time.

SBS have an internal taskforce dedicated to maintaining this key accreditation as we continue down the path of self improvement.



SBS are a BESA affiliate member. As a trade body and membership organisation, BESA helps members and their customers specify and deliver better building engineering services within a better-built environment. BESA also provides a wide range of support services, from training courses and advice to sharing best practices and opportunities to network and secure new business. Their wider group also provide essential business services to help companies operate smoothly.



The BMTFA (British Metal Tubes and Fittings Association) is a Trade Association proud to represent the interests of its members involved in manufacturing and distributing metal tubes and fittings in the UK. They aim to provide a dedicated, representative voice for the metal tubes and fittings industry. By engaging with partners and stakeholders on behalf of their members, they aim to ensure that the industry works as effectively as possible in the interests of our members and their customers. SBS Managing Director Steve Smith is a volunteer BMTFA panellist, offering his knowledge and expertise to support the wider industry.



Gold FORS accreditation is awarded to operators who maintain their Silver & Bronze accreditation and are able to demonstrate that all driver licence and endorsements are verified through a service that directly accesses the DVLA data. All vehicles over 3.5 tonnes must be equipped with a left turn audible warning system and are fitted with blind spot minimisation devices.



ISO 14001 is the globally recognised standard for environmental management systems (EMS). It provides a framework for companies like Smith Brothers to implement an EMS that continuously improves environmental performance. This is a significant milestone that reflects our commitment to environmental responsibility and sustainability.



Cyber Essentials is a UK government-backed certification that helps businesses protect against common cyber threats. It outlines basic security measures, including secure configuration, firewalls, access control, patch management, and malware protection. Achieving the certification shows a commitment to cybersecurity and reassures customers and partners that the business takes steps to protect data and systems.



The Institution of Occupational Safety and Health is the world's chartered body for safety and health professionals. They were formed in 1945 and have since grown into a leader in the health and safety profession. They aim to transform the world of work, making it safer and healthier every day. After a rigorous application process, which involved demonstrating extensive health & safety (H&S) knowledge, experience and qualifications. The SBS H&S team was approved to deliver the market-leading course, IOSH Managing Safely.

GENERAL INFORMATION

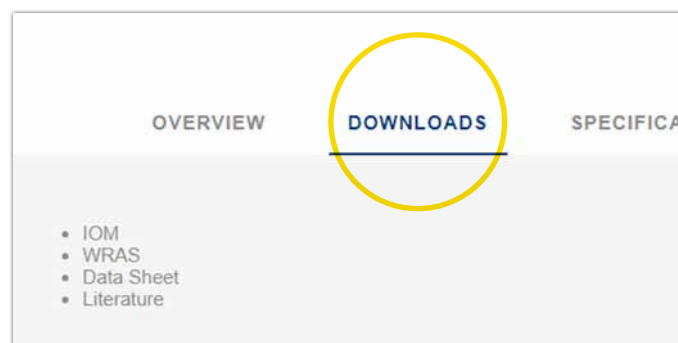
Online Product Information

Our exclusive distribution partner not only stocks all CORE product nationwide, but also houses all product technical details online, including stock location information.

This is all done through www.sbsonline.net



A few screenshot examples are highlighted below to demonstrate what information is available online.



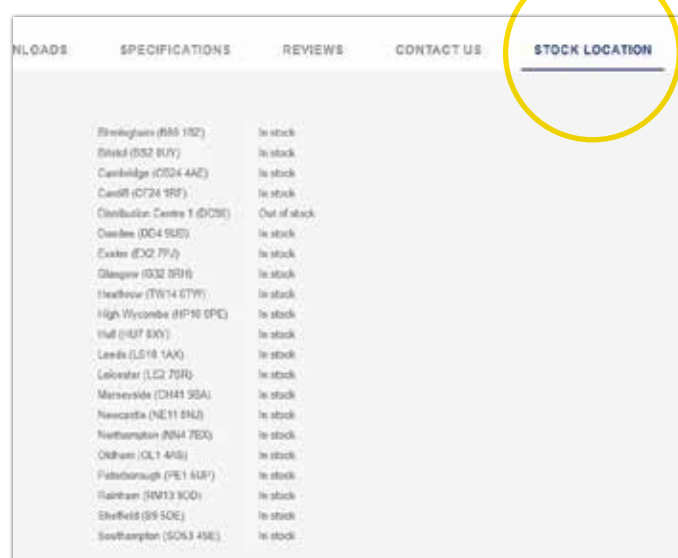
The screenshots show how product is displayed online:

In Stock: Top right highlights the stock status companywide at Smith Brothers

Short Description: A brief product description is given to explain the main product details

Downloads: This tab provides supporting documentation for the product, such as important files like data sheets and WRAS certificates

Stock Location: If the product is in stock (top right), the location tab highlights every SBS branch which holds stock at present



GENERAL INFORMATION

SBS Branch Network

LOCATION	OPENING TIMES	LOCATION	OPENING TIMES
ABERDEEN Unit 1 Forties Industrial Centre Hareness Circle Aberdeen AB12 3LY T: 01224 963 533 E: aberdeen@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 7am to 5pm	EXETER Units B1-B3 Sanderling Court Sowton Industrial Estate Exeter EX2 7PJ T: 0139 234 3210 E: exeter@sbs.co.uk	Monday to Friday Trade Counter: 6:30am to 5pm Sales Office: 7am to 5pm
BIRMINGHAM Unit 4 Alpha Park Bevan Way Smethwick West Midlands B66 1BZ T: 0121 555 1900 E: birmingham@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm	GLASGOW Unit 501 Clyde Gateway East London Road Glasgow G32 8RH T: 0141 739 0060 E: glasgow@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm
BRISTOL Unit B St Vincents Trading Estate Feeder Road Bristol BS2 0UY T: 0117 947 1111 E: bristol@sbs.co.uk	Monday to Friday Trade Counter: 6.30am to 5pm Sales Office: 8am to 5pm	GLOUCESTER Unit A Chancel Close Industrial Estate Eastern Avenue Gloucester GL4 3SN T: 0145 292 0300 E: gloucester@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm
CAMBRIDGE Unit 20 Buckingway Business Park Anderson Road Swavesey, Cambridge CB24 4AE T: 0122 362 0926 E: cambridge@sbs.co.uk	Monday to Friday Trade Counter: 6:30am to 5pm Sales Office: 8am to 5pm	HEATHROW Unit 2 Pier Road Feltham Greater London TW14 0TW T: 0203 856 5620 E: heathrow@sbs.co.uk	Monday to Friday Trade Counter: 6am to 5pm Sales Office: 7am to 5pm
CARDIFF Unit 2 Dominion Way Industrial Estate Newport Road Cardiff CF24 1RF T: 0292 167 1250 E: cardiff@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm	HIGH WYCOMBE Unit B, 2 Thomas Road Wooburn Industrial Park Wooburn Green High Wycombe HP10 0PE T: 0149 432 6926 E: highwycombe@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm
DUNDEE Unit R Claverhouse Industrial Park Charles Bowman Avenue Dundee DD4 9UB T: 0138 221 3600 E: dundee@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 7am to 5pm	HULL Unit 1 Stockholm Road Hull HU7 0XY T: 0148 242 4333 E: hull@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm

GENERAL INFORMATION

SBS Branch Network

LOCATION	OPENING TIMES	LOCATION	OPENING TIMES
LEEDS Unit 1 Quantum Business Park Pontefract Road Stourton, Leeds LS10 1AX T: 0113 201 4222 E: leeds@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm Saturday 8am to 11:30am Trade Counter Only	OLDHAM Units A & B Vulcan Business Park Derker Street Oldham OL1 4AS T: 0161 621 6288 E: oldham@sbs.co.uk	Monday to Friday Trade Counter: 7:30am to 5pm Sales Office: 8am to 5pm Saturday 7:30am to 11am Trade Counter Only
LEICESTER 99 Commercial Square Freemen's Common Industrial Estate Leicester LE2 7SR T: 0116 222 7355 E: leicester@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm	PETERBOROUGH Empson Road Eastern Industry Peterborough PE1 5UP T: 0173 331 1711 E: peterborough@sbs.co.uk	Monday to Friday Trade Counter: 7:30am to 5pm Sales Office: 7:30am to 5pm
MERSEYSIDE Unit 2 Derby Road Off Juniper Street Liverpool L20 8EL T: 0151 541 6440 E: merseyside@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm	RAINHAM Unit 3 Avocet Park Ferry Lane North Rainham Essex RM13 9DD T: 0170 868 9900 E: london@sbs.co.uk	Monday to Friday Trade Counter: 6:30am to 5pm Sales Office: 8am to 5pm
NEWCASTLE Unit C11 The Avenues Eleventh Avenue North Team Valley Gateshead NE11 0NJ T: 0191 917 9922 E: newcastle@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm	SHEFFIELD Units 4 & 5 Tinsley Park Close Sheffield South Yorkshire S9 5DE T: 0114 553 6500 E: sheffield@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 8am to 5pm
NORTHAMPTON Unit 3 Reynoldston Close Brackmills Industrial Estate Northampton NN4 7BX T: 0160 476 3621 E: northampton@sbs.co.uk	Monday to Friday Trade Counter: 7:30am to 5pm Sales Office: 8am to 5pm	SOUTHAMPTON Unit F Omega Enterprise Park, Electron Way Chandlers Ford Eastleigh, Southampton SO53 4SE T: 0238 062 3070 E: southampton@sbs.co.uk	Monday to Friday Trade Counter: 6:30am to 5pm Sales Office: 8am to 5pm
NOTTINGHAM Unit 5 Freeston Drive Blenheim Industrial Estate Nottingham NG6 8UZ T: 0115 822 3696 E: nottingham@sbs.co.uk	Monday to Friday Trade Counter: 7am to 5pm Sales Office: 7:30am to 5pm	Interactive Branch Locator SCAN ME 	

GENERAL INFORMATION

Product Support

During the sales journey, Smith Brothers aims to provide the installer with all the service and support they require on every CORE product, making the purchasing journey easier than ever. While our objective is to give all the resources available pre-sale, we understand aftersales care is just as important, which is why CORE and SBS are integrated throughout their processes.

Support

Information



Technical documents published
online viewable 24/7
sbscore.co.uk/technical-documents

Product codes provided
to make it easy to order with SBS

Product selectors to help choose
correct product within the range

Aftersales



**SBS have ISO 9001 approved
product failure reporting**
As CORE is exclusive to
Smith Brothers, it means any product
issues experienced will be fully
investigated and promptly resolved

**CORE & SBS are integrated
throughout their operation:**
Personnel from both CORE and SBS
can perform on-site visits to resolve
any issues, or provide additional
support if required



GENERAL INFORMATION

Social Media

Keep up to date with the latest news on CORE via our LinkedIn and media channels.



ONLINE 'SBSCORE.CO.UK'

Always get the latest information, literature and developments via our website.



LINKEDIN 'CORE BY SBS'

Get inside information regarding product developments and operational improvements.



ONLINE 'SBSONLINE.NET'

Order online and view account pricing and branch stock availability.



DOWNLOAD AREA

Head to www.sbscore.co.uk/downloads to view and download Brochures, product selectors and videos.





Vision Statement

Ultimately, the CORE range aspires to be at the forefront of every HVAC installation project within the UK.



Digital Copy



www.sbscore.co.uk



CORE by SBS