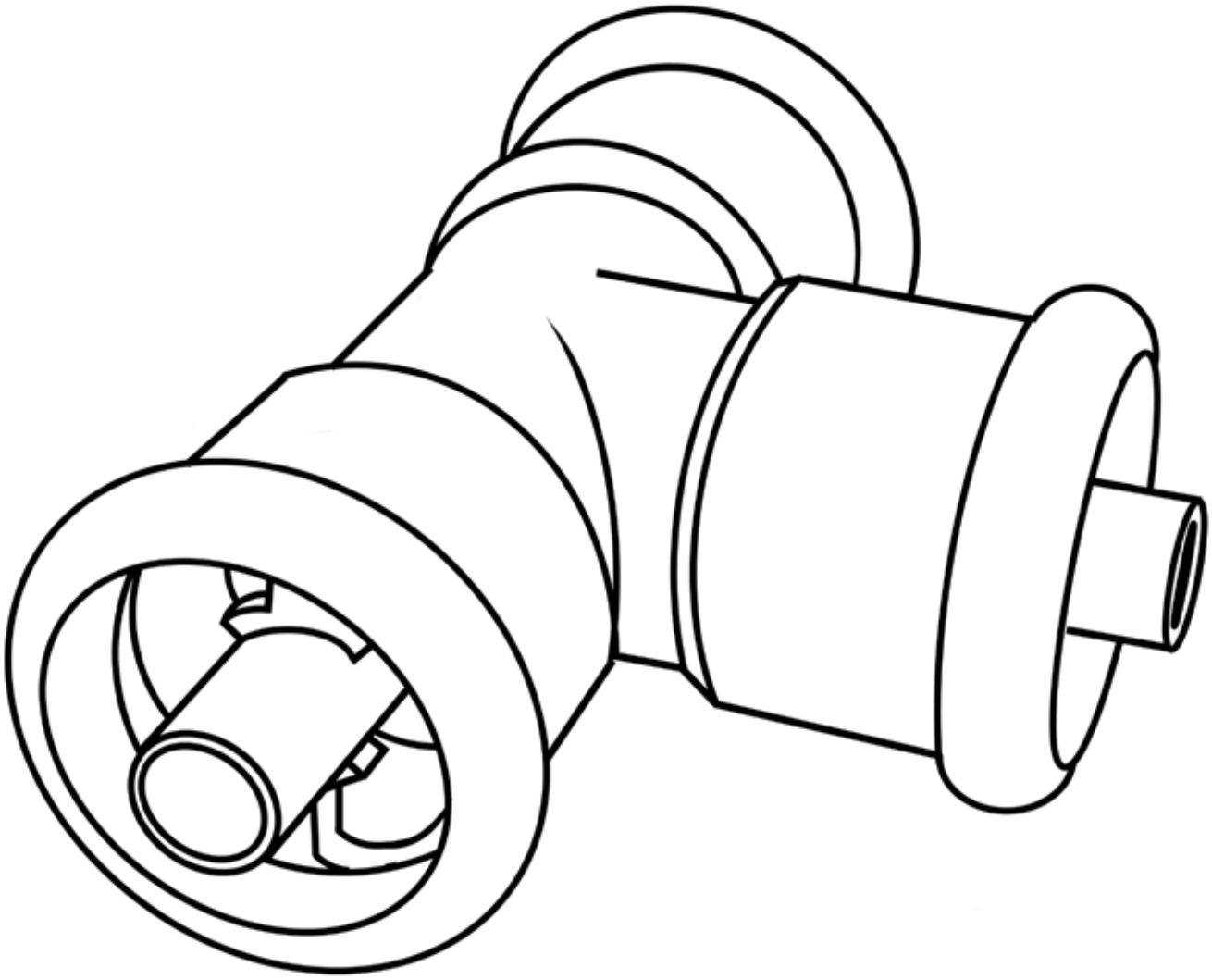
WATERKINETICS



ECODUO

2022 Edition

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Who Are We?

Who?

Water Kinetics is a new and exciting innovative company that has been built on the many years of experience of one of its Founding Directors Maxwell Bridges and its Managing Director Jonathan Waggott. Water Kinetics is a UK based company with the manufacturing and offices located in Scotland. Water Kinetics specialises in bringing innovative change to the plumbing world by applying the research and benefits of science to the all important element of water.

What?

Water Kinetics aims to be the world leader in providing hygienic, safe, low energy hot and cold water within buildings of all types so that users are kept safe whilst delivering cost savings and substantial risk reduction from water-borne pathogens such as Legionella for building owners/operators.

How?

Water Kinetics' patented first product, Eco-Duo is the world's first single pipe recirculation system that can provide potable water in a safe way whilst delivering up to a 50% cost reduction in energy charges.

Water Kinetics works with leading industry experts, professionals and suppliers. Its products are available nationwide through leading builders merchants, so on- going supply is never an issue.

Awards:

CIBSE BUILDING PERFORMANCE AWARDS 2022

NTA National Technology Awards 2021

Institute of Water

NBCA NATIONAL BUILDING & CONSTRUCTION AWARDS 2020

bcia awards 2021

Better Society ENERGY AWARDS 2021

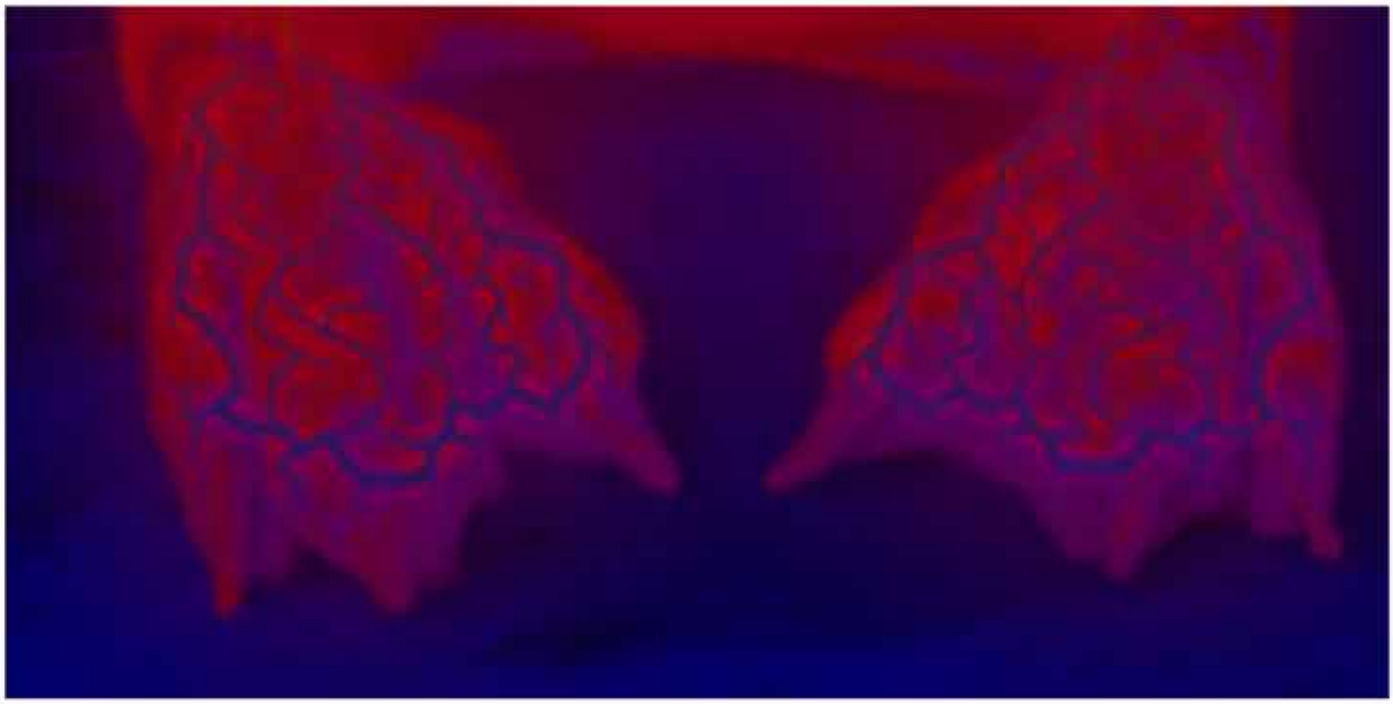
2021 CN AWARDS

The Story Behind Eco-Duo

Water Kinetics are very proud to be part of the amazing story of how the new Eco-Duo system was invented. Maxwell Bridges, one of its founding Directors has always been someone to think about how things can be improved, and how solutions to problems can be found. Maxwell is also a great lover of nature documentaries, and it was whilst watching such a documentary on how penguins in the Antarctic keep warm and prevent their feet from sticking to the ice that a moment of inventive inspiration came upon him.

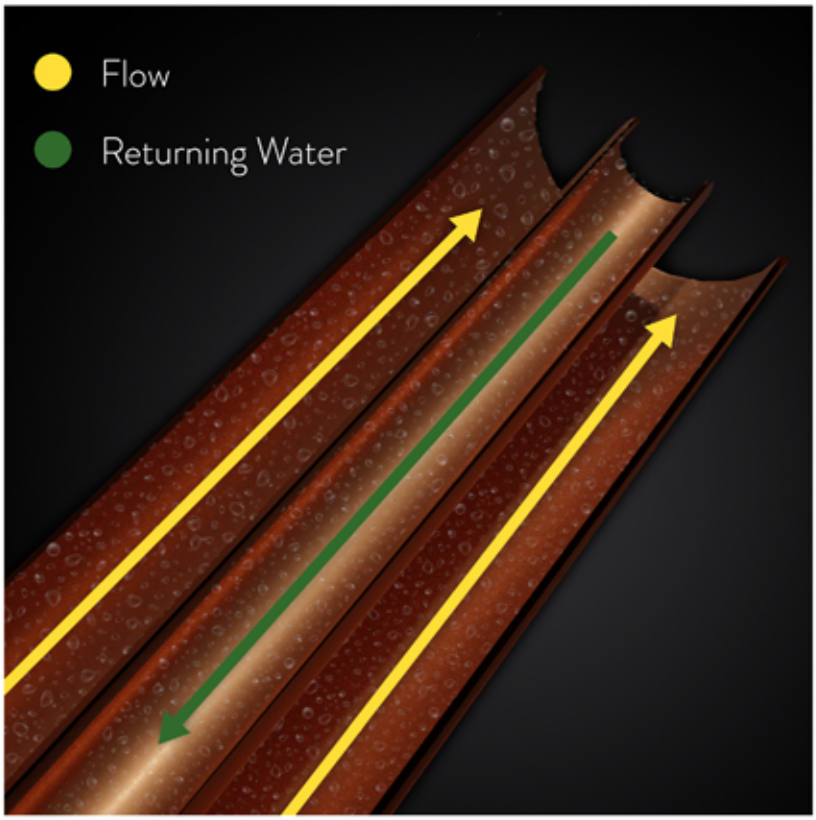
Penguins have an ingenious system working within their feet which creates a counter current heat exchange from the blood travelling to their feet which then warms their blood up as it travels back to their heart. Maxwell thought that if it can work for blood vessels, then it could work for pipework systems.

After much trial and error and testing and thought, the world's first single pipe recirculation system was born. Nature has so much to teach us, and Water Kinetics is sure that there will be many more inventions and innovative products still to be created from its inspiration.



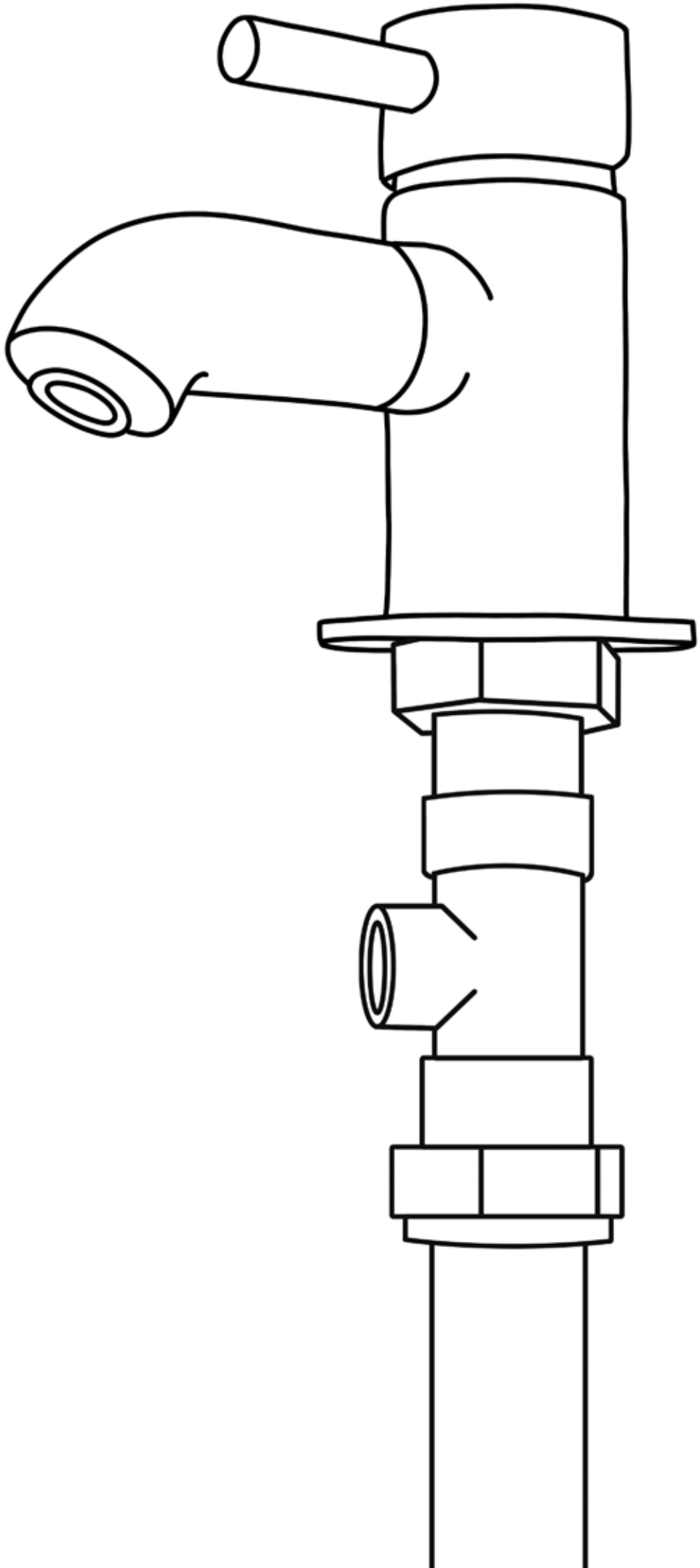
Why should you specify Eco-Duo?

Water Kinetics' Eco-Duo system is truly a game changer in the world of potable water plumbing technology. Not only does the system save 50% of energy costs, but it also halves all the pipework fittings, insulation and the time and costs of installation.



As it is a one pipe system, it is simpler and easier to install and any requirement to cut the piping once it is installed is done using the traditional methods employed by plumbers.

Unlike most systems, Eco-Duo brings the circulating water right up to the point of use, completely eliminating the possibility of dead legs in the system, resolving one of the main causes of water-borne pathogens within potable water systems today. This benefit, added to the stability of temperature goes a long way in the fight against water-borne pathogens including Legionella.



Sustainability

As a company, Water Kinetics recognises its responsibility to take care of the environment. To demonstrate, Water Kinetics only sources their copper from companies who utilise a high degree of recyclable material within the metals they supply.

The copper, brass and stainless steel Water Kinetics use can be 100% recycled, and all packaging that is used within the Water Kinetics factory for Eco-Duo is made from recycled materials and where possible all energy used within the premises comes from carbon neutral suppliers.

One of the greatest features of the Eco-Duo system is the energy saving achieved through its usage. It also requires half the pipework fittings, half the insulation, and half the delivery costs and therefore reduces the impact on the environment significantly in comparison to traditional copper pipe systems.

"Water Kinetics saves a high degree of energy whilst keeping temperatures constant to keep water safe"

Dr. Paul McDermott - World Infection Control Practitioner and Microbiologist

Features &

Impressive Safety

Eco-Duo is proven to reduce the risk of waterborne pathogens like Legionella and Pseudomonas Aerugionsa, keeping hot water hot and cold water cold and eliminating dead legs, protecting people who visit properties safe from infection.

Temperature Retention

Eco-Duo's unique pipe-within-a-pipe design translates into an extremely efficent system, with virtually no reduction in temperature from a heater to the outlet, saving up to 50% in energy costs.

Cuts Insulation and Pipe Fixings by 50%

With Eco-Duo's revolutionary pipe within-a-pipe system, we've been able to reduce the materials needed for insulation, without comprosing on its effectiveness.

High Quality, Low Price

In comparison to market leaders, Eco-Duo is not only more efficient, but also lower cost, in installation and ongoing expenses. With half the insulation and pipework fixings needed, we can assure you:
Eco-Duo will never be beaten on price.

& Benefits

Faster Installation and Lower Material Costs

With Eco-Duo's unique pipe-within-a pipe system, installation times, component costs, pipe-work fixings, and duct space is halved!

Reduction in Energy Costs and CO2e

Impressive temperature retention contributes to a decrease in energy consumption, with savings reaching up to 50%. Over a projected 5 year period, Eco-Duo is forecast to save over 2.4 million tonnes of CO2e - the equivalent to 985 million average car journeys.

Sustainability

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WRAS and KIWA

Eco-Duo is also WRAS and KIWA certified, ensuring that Eco-Duo conforms to the Water Supply regulations and is fit for use with UK plumbing systems. Full details of both certifications are available on the Water Kinetics website.

Bristol University Case Study

Installation In Four Storey Building

A four storey installation of Water Kinetics' Eco-Duo was installed in 2017 into Bristol University to monitor the energy saving potential of the pipework system. It was this installation that began to really identify the extent to which Eco-Duo saves energy. The energy consumption reduced by 50% and because there was virtually no reduction in temperature from the heater to the outlet, a previously persistent problem with Legionella within the pipework system was completely eradicated, and has never returned since.

Eco-Duo is still installed within the University and is continuing to bring the university significant cost savings and safety benefits.

BRE Study

Details of the Testing

Water Kinetics have undertaken a comprehensive study with BRE in Watford during 2019. The study focused on a comparison of a traditional potable water re-circulation system versus the Water Kinetics Eco-Duo system.

The type of pipework, fittings, pump, insulation and heater used was identical for the two tests. The results proved to be very conclusive and mirrored the ongoing testing at Bristol University. It showed that Eco-Duo does in fact save up to 50% of ongoing energy costs. It also demonstrated how effective the system is in keeping hot water hot with an outgoing water temperature of 61°C and a return temperature of 60°C.

If you would like more information on this study and the energy savings then please contact us and we can arrange for one of our representatives to contact you and present the results in more detail.

Technical Information

Water Kinetics want to make specifying Eco-Duo as simple as possible, and so have uploaded a wealth of information to their website, such as:

Installation Instructions

In order to ensure installation is as easy as possible, Water Kinetics have full installation instructions available, allowing viewers to understand how the pipework fittings connect with one another, along with QR codes on all packaging that will take plumbers to how-to videos.

BIM Files

In a world that is growing ever more technologically advanced, Water Kinetics makes sure to keep with the times, and so, Building Information Modelling (BIM) files are available upon request.

National Building Specifications (NBS) Clauses

NBS clauses are available on the Water Kinetics website for all Eco-Duo products, allowing specifiers to copy and paste the information into specifications, streamlining the process.

Data Sheets

Data Sheets are also viewable, giving a full overview of Eco-Duo products, elaborating on the dimensions available for each pipe fitting, along with features and benefits.

Flow and Pressure Charts

Flow and Pressure Charts that enable prospective specifiers the chance to measure up Eco-Duo and compare and contrast with traditional plumbing systems.

Continuing Professional Development (CPD) Courses

Water Kinetics also offers a CPD course, which covers the challenges that are faced in order to keep plumbing systems safe. The course is titled “Controlling WaterBorne Pathogens in Hot and Cold Water Systems.”

Now, more than ever it is imperative for architects, engineers, and more to understand the importance of being able to keep plumbing systems pathogen-free.

The course will help give insight in:

- The challenge of keeping systems safe.
- Common problems and issues that systems face.
- Current guidance and how it aids in managing systems correctly.
- System design and how to improve upon it moving forward.

Wras and Kiwa Certifications

Eco-Duo is also WRAS and Kiwa certified - ensuring that Eco-Duo conforms to the Water Supply regulations and is fit for use with UK plumbing systems. Full details of both certifications are available on the Water Kinetics site.

CERTIFICATE

kiwa

Certificate number: 2009746

Kiwa UK Regulation 4 (KUKreg4) Approval

Issued by Kiwa Watertec (UK)

Manufacturer: Water-Kinetics Ltd

Certificate issued to:

kiwa approved

UK WATER REGULATION 4

WRAS APPROVED PRODUCT

This certifies that

WATER-KINETICS

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

RANGE OF ECO DUO COPPER PRESS FITTINGS

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

October 2025

Certificate No.

2010342

Ian Hughes,
WRAS Approvals Manager

Associations

Made in Britain

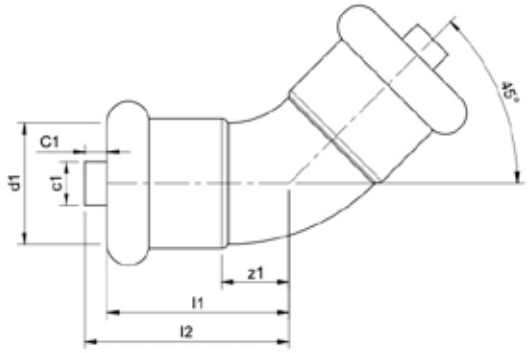
Water Kinetics is also a proud member of Made In Britain, given that Eco-Duo is 100% manufactured in Great Britain, in order to deliver a reliable, dependable and local product.

Royal Society for Public Health (RSPH)

Water Kinetics is also a member of the Royal Society for Public Health (RSPH). The aims of the RSPH also align with those of Water Kinetics. The company wishes to create healthier environments, improve and also protect the public's health, which is made possible with Eco-Duo's ability to drastically reduce levels of water-borne pathogens including Legionella.

45 Degree Elbow

ECODUO



SIZES

Eco-Duo 45 Degree Elbow for 15mm *	W8329 CP	0.27kg
Eco-Duo 45 Degree Elbow for 22mm *	W8330 CP	0.29kg
Eco-Duo 45 Degree Elbow for 28mm *	W8331 CP	0.32kg
Eco-Duo 45 Degree Elbow for 35mm *	W8332 CP	0.58kg
Eco-Duo 45 Degree Elbow for 42mm *	W8333 CP	0.66kg
Eco-Duo 45 Degree Elbow for 54mm	W1560 CP	1.30kg
Eco-Duo 45 Degree Elbow for 66.7mm	W1561 CP	1.47kg
Eco-Duo 45 Degree Elbow for 76.1mm	W1562 CP	1.50kg
Eco-Duo 45 Degree Elbow for 108mm	W1654 CP	2.75kg

** Only available in packs of 10*

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
Maintains temperatures across the whole building.
Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

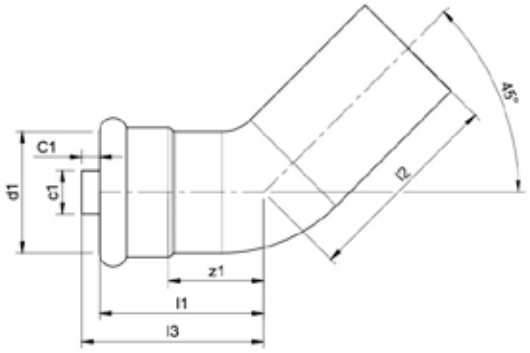
FINISHING OPTIONS

Copper CP

SKU	DESC	l1	l2	d1	z1	c1	C1
W1525 CP	15mm	26	31	15	8	6	5
W1526 CP	22mm	35	40	22	11	8	5
W1527 CP	28mm	41	46	28	14	10	5
W1528 CP	35mm	50	55	35	18	15	5
W1529 CP	42mm	59	64	42	21	15	5
W1560 CP	54mm	70	75	54	28	22	5
W1561 CP	66.7mm	82	87	66.7	34	22	5
W1562 CP	76.1mm	89	94	76.1	39	28	5
W1654 CP	108mm	124	129	108	55	28	5

45 Degree Street Elbow

ECODUO



SIZES

Eco-Duo 45 Degree Street Elbow for 15mm *	W8334 CP	0.34kg
Eco-Duo 45 Degree Street Elbow for 22mm *	W8335 CP	0.37kg
Eco-Duo 45 Degree Street Elbow for 28mm *	W8336 CP	0.40kg
Eco-Duo 45 Degree Street Elbow for 35mm *	W8337 CP	0.59kg
Eco-Duo 45 Degree Street Elbow for 42mm *	W8338 CP	0.66kg
Eco-Duo 45 Degree Street Elbow for 54mm	W1530 CP	0.96g
Eco-Duo 45 Degree Street Elbow for 66.7mm	W1531 CP	1.39kg
Eco-Duo 45 Degree Street Elbow for 76.1mm	W1532 CP	1.65kg
Eco-Duo 45 Degree Street Elbow for 108mm	W1654 CP	2.37kg

** Only available in packs of 10*

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
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MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

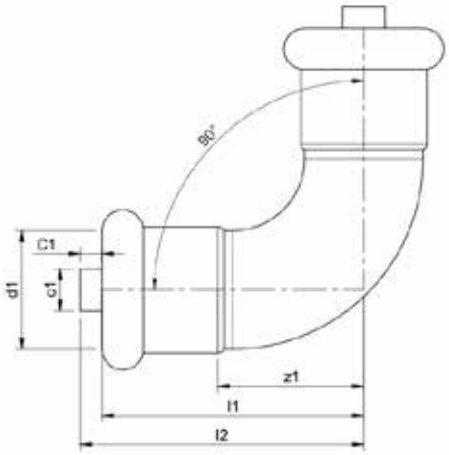
FINISHING OPTIONS

Copper CP

SKU	DESC	l1	l2	l3	d1	z1	c1	C1
W1525 CP	15mm	26	34	39	15	8	6	5
W1526 CP	22mm	35	44	49	22	11	8	5
W1527 CP	28mm	41	49	54	28	15	5	5
W1528 CP	35mm	50	58	63	35	18	15	5
W1529 CP	42mm	59	74	79	42	21	15	5
W1530 CP	54mm	70	85	90	54	27	22	5
W1531 CP	66.7mm	82	100	105	66.7	34	22	5
W1532 CP	76.1mm	88	105	110	76.1	38	28	5
W1654 CP	108mm	125	145	150	108	55	28	5

90 Degree Elbow

ECODUO



SIZES

Eco-Duo 90 Degree Elbow for 15mm *	W8319 CP	0.27kg
Eco-Duo 90 Degree Elbow for 22mm *	W8320 CP	0.35kg
Eco-Duo 90 Degree Elbow for 28mm *	W8321 CP	0.38kg
Eco-Duo 90 Degree Elbow for 35mm *	W8322 CP	0.62kg
Eco-Duo 90 Degree Elbow for 42mm *	W8323 CP	0.70kg
Eco-Duo 90 Degree Elbow for 54mm	W1514 CP	1.03kg
Eco-Duo 90 Degree Elbow for 66.7mm	W1515 CP	1.48kg
Eco-Duo 90 Degree Elbow for 76.1mm	W1516 CP	1.76kg
Eco-Duo 90 Degree Elbow for 108mm	W1650 CP	2.40kg

** Only available in packs of 10*

FEATURES AND BENEFITS

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Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

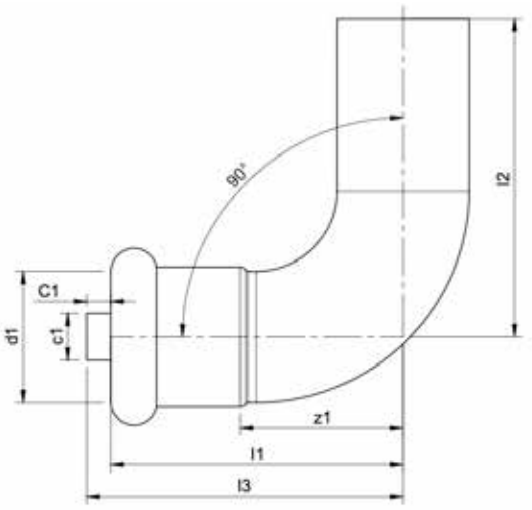
FINISHING OPTIONS

Copper CP

SKU	DESC	l1	l2	d1	z1	c1	c1
W1509 CP	15mm	36	41	15	18	6	5
W1510 CP	22mm	50	55	22	27	8	5
W1511 CP	28mm	61	66	28	34	10	5
W1512 CP	35mm	75	80	35	43	15	5
W1513 CP	42mm	89	94	42	51	15	5
W1514 CP	54mm	108	113	54	65	22	5
W1515 CP	66.7mm	129	134	66.7	81	22	5
W1516 CP	76.1mm	142	147	76.1	92	28	5
W1650 CP	108mm	200	205	108	131	28	5

90 Degree Street Elbow

ECODUO



SIZES

Eco-Duo 90 Degree Street Elbow for 15mm *	W8324 CP	0.28kg
Eco-Duo 90 Degree Street Elbow for 22mm *	W8325 CP	0.31kg
Eco-Duo 90 Degree Street Elbow for 28mm *	W8326 CP	0.35kg
Eco-Duo 90 Degree Street Elbow for 35mm *	W8327 CP	0.64kg
Eco-Duo 90 Degree Street Elbow for 42mm *	W8328 CP	0.72kg
Eco-Duo 90 Degree Street Elbow for 54mm	W1522 CP	1.05kg
Eco-Duo 90 Degree Street Elbow for 66.7mm	W1523 CP	1.45kg
Eco-Duo 90 Degree Street Elbow for 76.1mm	W1524 CP	1.77kg
Eco-Duo 90 Degree Street Elbow for 108mm	W1653 CP	2.92kg

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MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

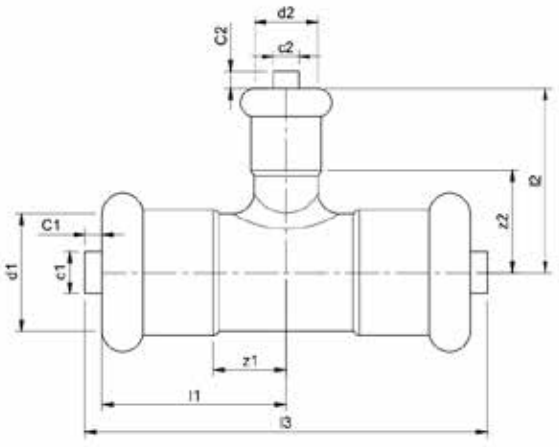
FINISHING OPTIONS

Copper CP

SKU	DESC	l1	l2	l3	d1	z1	c1	C1
W1517 CP	15mm	36	44	41	15	18	6	5
W1518 CP	22mm	50	58	55	22	27	8	5
W1519 CP	28mm	61	68	66	28	34	10	5
W1520 CP	35mm	75	81	80	35	43	15	5
W1521 CP	42mm	89	103	94	42	51	15	5
W1522 CP	54mm	108	123	113	54	65	22	5
W1523 CP	66.7mm	129	147	134	66.7	81	22	5
W1524 CP	76.1mm	142	160	147	76.1	92	28	5
W1653 CP	108mm	200	227	205	108	131	28	5

Reduced Tee Branch

ECODUO



SIZES

Eco-Duo Reduced Tee Branch for 22x15x22mm *	W1635 CP	0.36kg
Eco-Duo Reduced Tee Branch for 28x15x28mm *	W1636 CP	0.41kg
Eco-Duo Reduced Tee Branch for 28x22x28mm *	W1637 CP	0.42kg
Eco-Duo Reduced Tee Branch for 35x15x35mm *	W1638 CP	0.67kg
Eco-Duo Reduced Tee Branch for 35x22x35mm *	W1639 CP	0.67kg
Eco-Duo Reduced Tee Branch for 35x28x35mm *	W1640 CP	0.70kg
Eco-Duo Reduced Tee Branch for 42x15x42mm *	W1641 CP	0.73kg
Eco-Duo Reduced Tee Branch for 42x22x42mm *	W1642 CP	0.65kg
Eco-Duo Reduced Tee Branch for 42x28x42mm *	W1643 CP	0.84kg
Eco-Duo Reduced Tee Branch for 54x22x54mm	W1645 CP	1.10kg
Eco-Duo Reduced Tee Branch for 54x28x54mm	W1646 CP	1.08kg
Eco-Duo Reduced Tee Branch for 54x35x54mm	W1647 CP	1.11kg
Eco-Duo Reduced Tee Branch for 54x42x54mm	W1648 CP	1.22kg
Eco-Duo Reduced Tee Branch for 108x54x108mm	W1594 CP	3.05kg
Eco-Duo Reduced Tee Branch for 108x66.7x108mm	W1595 CP	3.23kg
Eco-Duo Reduced Tee Branch for 108x76.1x108mm	W1596 CP	3.23kg

** Only available in packs of 10*

MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

FINISHING OPTIONS

Copper CP

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
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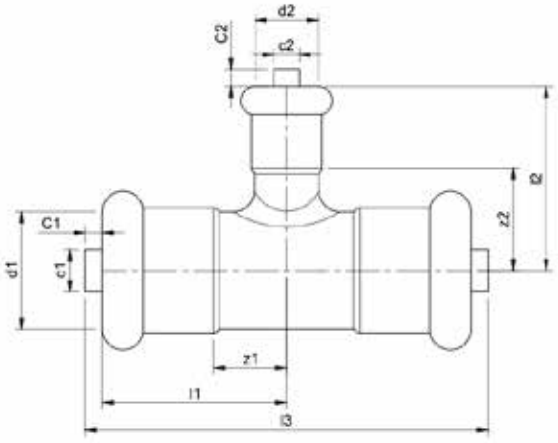
SKU	DESC	l1	l2	l3	d1	d2	z1	z2	c1	c1	c2	c2
W1635 CP	22x15x22	34	31	78	22	15	10	13	8	5	6	5
W1636 CP	28x15x28	37	34	84	28	15	10	16	10	5	6	5
W1637 CP	28x22x28	40	40	90	28	22	14	16	10	5	8	5
W1638 CP	35x15x35	43	47	98	35	15	11	29	15	5	6	5
W1639 CP	35x22x35	46	44	102	35	22	14	20	15	5	8	5
W1640CP	35x28x35	49	47	108	35	38	17	21	15	5	10	5
W1641 CP	42x15x42	49	52	108	42	15	11	34	15	5	6	5
W1642 CP	42x22x42	53	48	108	42	22	15	24	15	5	8	5
W1643 CP	42x28x42	56	52	116	42	28	18	25	15	5	10	5

Reduced Tee Branch

ECODUO



SIZES

Eco-Duo Reduced Tee Branch for 22x15x22mm *	W1635 CP	0.36kg
Eco-Duo Reduced Tee Branch for 28x15x28mm *	W1636 CP	0.41kg
Eco-Duo Reduced Tee Branch for 28x22x28mm *	W1637 CP	0.42kg
Eco-Duo Reduced Tee Branch for 35x15x35mm *	W1638 CP	0.67kg
Eco-Duo Reduced Tee Branch for 35x22x35mm *	W1639 CP	0.67kg
Eco-Duo Reduced Tee Branch for 35x28x35mm *	W1640 CP	0.70kg
Eco-Duo Reduced Tee Branch for 42x15x42mm *	W1641 CP	0.73kg
Eco-Duo Reduced Tee Branch for 42x22x42mm *	W1642 CP	0.65kg
Eco-Duo Reduced Tee Branch for 42x28x42mm *	W1643 CP	0.84kg
Eco-Duo Reduced Tee Branch for 54x22x54mm	W1645 CP	1.10kg
Eco-Duo Reduced Tee Branch for 54x28x54mm	W1646 CP	1.08kg
Eco-Duo Reduced Tee Branch for 54x35x54mm	W1647 CP	1.11kg
Eco-Duo Reduced Tee Branch for 54x42x54mm	W1648 CP	1.22kg
Eco-Duo Reduced Tee Branch for 108x54x108mm	W1594 CP	3.05kg
Eco-Duo Reduced Tee Branch for 108x66.7x108mm	W1595 CP	3.23kg
Eco-Duo Reduced Tee Branch for 108x76.1x108mm	W1596 CP	3.23kg

** Only available in packs of 10*

MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

FINISHING OPTIONS

Copper CP

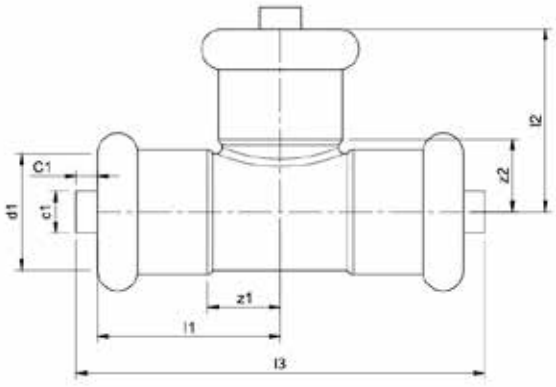
FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
Maintains temperatures across the whole building.
Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

SKU	DESC	l1	l2	l3	d1	d2	z1	z2	c1	c1	c2	c2
W1635 CP	22x15x22	34	31	78	22	15	10	13	8	5	6	5
W1636 CP	28x15x28	37	34	84	28	15	10	16	10	5	6	5
W1637 CP	28x22x28	40	40	90	28	22	14	16	10	5	8	5
W1638 CP	35x15x35	43	47	98	35	15	11	29	15	5	6	5
W1639 CP	35x22x35	46	44	102	35	22	14	20	15	5	8	5
W1640CP	35x28x35	49	47	108	35	38	17	21	15	5	10	5
W1641 CP	42x15x42	49	52	108	42	15	11	34	15	5	6	5
W1642 CP	42x22x42	53	48	108	42	22	15	24	15	5	8	5
W1643 CP	42x28x42	56	52	116	42	28	18	25	15	5	10	5

Equal Tee

ECODUO



SIZES

Eco-Duo Equal for 15mm *	W8364 CP	0.510kg
Eco-Duo Equal for 22mm *	W8365 CP	0.761kg
Eco-Duo Equal for 28mm *	W8366 CP	0.912kg
Eco-Duo Equal for 35mm *	W8367 CP	1.584kg
Eco-Duo Equal for 42mm *	W8368 CP	1.819kg
Eco-Duo Equal for 54mm	W1546 CP	2.422kg
Eco-Duo Equal for 66.7mm	W1547 CP	2.848kg
Eco-Duo Equal for 76.1mm	W1548 CP	3.779kg
Eco-Duo Equal for 108mm	W1656 CP	5.601kg

** Only available in packs of 10*

MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

FINISHING OPTIONS

Copper CP

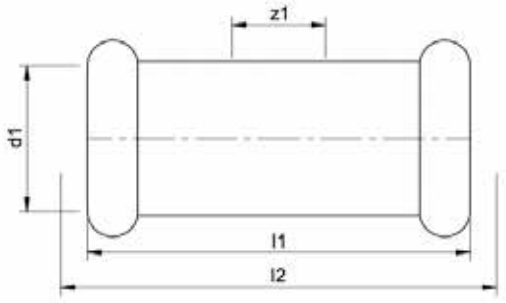
FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
Maintains temperatures across the whole building.
Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

SKU	DESC	l1	l2	l3	d1	z1	z2	c1	C1
W1541 CP	15mm	34	28	79	15	16	7.5	6	5
W1542 CP	22mm	39	37	91	22	15	11	8	5
W1543 CP	28mm	43	43	98	28	17	14	10	5
W1544 CP	35mm	53	53	116	35	21	17.5	15	5
W1545 CP	42mm	63	63	136	42	25	21	15	5
W1546 CP	54mm	73	73	159	54	31	27	22	5
W1547 CP	66.7mm	89	100	188	66.7	41	33.35	22	5
W1548 CP	76.1mm	97	106	204	76.1	47	38.05	28	5
W1656 CP	108mm	135	145	280	108	65	54	28	5

Press Slip Coupling

ECODUO



SIZES

Eco-Duo Press Slip Coupling for 15mm *	W8334 CP	0.05kg
Eco-Duo Press Slip Coupling for 22mm *	W8335 CP	0.08kg
Eco-Duo Press Slip Coupling for 28mm *	W8336 CP	0.11kg
Eco-Duo Press Slip Coupling for 35mm *	W8337 CP	0.15kg
Eco-Duo Press Slip Coupling for 42mm *	W8338 CP	0.22kg
Eco-Duo Press Slip Coupling for 54mm	W1589 CP	0.32kg
Eco-Duo Press Slip Coupling for 66.7mm	W1590 CP	0.44kg
Eco-Duo Press Slip Coupling for 76.1mm	W1591 CP	0.59kg
Eco-Duo Press Slip Coupling for 108mm	W1659 CP	1.12kg

** Only available in packs of 10*

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
Maintains temperatures across the whole building.
Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

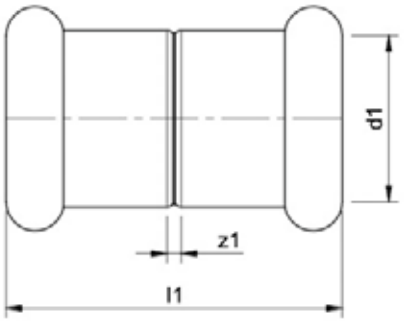
FINISHING OPTIONS

Copper CP

SKU	DESC	l1	l2	d1	z1
W1584 CP	15mm	47	57	15	11
W1585 CP	22mm	64	74	22	16
W1586 CP	28mm	72	82	28	18
W1587 CP	35mm	88	98	35	24
W1588 CP	42mm	104	114	42	28
W1589 CP	54mm	119	129	54	33
W1590 CP	66.7mm	112	122	66.7	16
W1591 CP	76.1mm	119	126	76.1	16
W1659 CP	108mm	153	163	108	16

Straight Coupling

ECODUO



SIZES

Eco-Duo Straight Coupling for 15mm *	W8364 CP	0.03kg
Eco-Duo Straight Coupling for 22mm *	W8365 CP	0.05kg
Eco-Duo Straight Coupling for 28mm *	W8366 CP	0.06kg
Eco-Duo Straight Coupling for 35mm *	W8367 CP	0.09kg
Eco-Duo Straight Coupling for 42mm *	W8368 CP	0.13kg
Eco-Duo Straight Coupling for 54mm	W1572 CP	0.19kg
Eco-Duo Straight Coupling for 66.7mm	W1573 CP	0.44kg
Eco-Duo Straight Coupling for 76.1mm	W1575 CP	0.19kg
Eco-Duo Straight Coupling for 108mm	W1658 CP	1.26kg

** Only available in packs of 10*

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
Maintains temperatures across the whole building.
Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

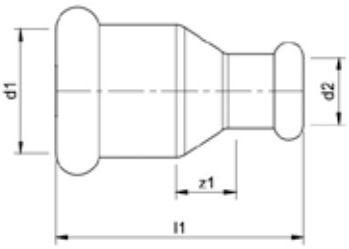
FINISHING OPTIONS

Copper CP

SKU	DESC	l1	d1	z1
W1567 CP	15mm	38	15	2
W1568 CP	22mm	49	22	2
W1569 CP	28mm	55	28	2
W1570 CP	35mm	66	35	2
W1571 CP	42mm	79	42	3
W1572 CP	54mm	66	54	3
W1573 CP	66.7mm	113	66.7	17
W1574 CP	76.1mm	117	76.1	17
W1658 CP	108mm	156	108	17

Coupling Reducer

ECODUO



SIZES

Eco-Duo Coupling Reducer for 22mm x 15mm *	W8350 CP	0.05kg
Eco-Duo Coupling Reducer for 28mm x 22mm *	W8351 CP	0.07kg
Eco-Duo Coupling Reducer for 28mm x 15mm *	W8352 CP	0.07kg
Eco-Duo Coupling Reducer for 35mm x 28mm *	W8353 CP	0.09kg
Eco-Duo Coupling Reducer for 42mm x 35mm *	W8354 CP	0.14kg
Eco-Duo Coupling Reducer for 54mm x 42mm	W1652 CP	0.21kg

** Only available in packs of 10*

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
Maintains temperatures across the whole building.
Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

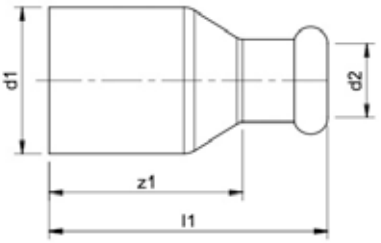
FINISHING OPTIONS

Copper CP

SKU	DESC	l1	d1	d2	z1
W1549 CP	22x15mm	48	22	15	3
W1550 CP	28x22mm	56	28	22	6
W1649 CP	28x15mm	54	28	15	10
W1650 CP	35x28mm	65	35	28	7
W1651 CP	42x35mm	77	42	35	7
W1652 CP	54x42mm	90	54	42	9

Coupling Street Reducer

ECODUO



SIZES

Eco-Duo Coupling Street Reducer for 28mm x 22mm *	W8344 CP	0.05kg
Eco-Duo Coupling Street Reducer for 35mm x 22mm *	W8345 CP	0.07kg
Eco-Duo Coupling Street Reducer for 35mm x 28mm *	W8346 CP	0.09kg
Eco-Duo Coupling Street Reducer for 42mm x 22mm *	W8347 CP	0.11kg
Eco-Duo Coupling Street Reducer for 42mm x 28mm *	W8348 CP	0.12kg
Eco-Duo Coupling Street Reducer for 42mm x 35mm *	W8349 CP	0.12kg
Eco-Duo Coupling Street Reducer for 54mm x 35mm	W1557 CP	0.16kg
Eco-Duo Coupling Street Reducer for 54mm x 42mm	W1558 CP	0.19kg
Eco-Duo Coupling Street Reducer for 66.7mm x 28mm	W1559 CP	0.97kg
Eco-Duo Coupling Street Reducer for 66.7mm x 35mm	W1560 CP	0.97kg
Eco-Duo Coupling Street Reducer for 66.7mm x 42mm	W1561 CP	0.97kg
Eco-Duo Coupling Street Reducer for 66.7mm x 54mm	W1562 CP	1.99kg
Eco-Duo Coupling Street Reducer for 76.1mm x 35mm	W1563 CP	1.07kg
Eco-Duo Coupling Street Reducer for 76.1mm x 42mm	W1564 CP	1.07kg
Eco-Duo Coupling Street Reducer for 76.1mm x 54mm	W1565 CP	1.08kg
Eco-Duo Coupling Street Reducer for 76.1mm x 66.7mm	W1566 CP	1.16kg
Eco-Duo Coupling Street Reducer for 108mm x 42mm	W8386 CP	0.93kg
Eco-Duo Coupling Street Reducer for 108mm x 54mm	W8387 CP	0.94kg
Eco-Duo Coupling Street Reducer for 108mm x 66.7mm	W8389 CP	1.05kg
Eco-Duo Coupling Street Reducer for 108mm x 76.1mm	W8390 CP	1.10kg

** Only available in packs of 10*

MATERIALS

Body: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

FINISHING OPTIONS

Copper CP

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
Maintains temperatures across the whole building.
Halves installation time and costs
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No special installation required
Pipework can be cut as normal
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Can be used on hot and cold potable water systems

Pipework - 3m

ECODUO

SIZES

Eco-Duo 3m Pipework for 15mm	W1501 CP	0.510kg
Eco-Duo 3m Pipework for 22mm	W1502 CP	0.768kg
Eco-Duo 3m Pipework for 28mm	W1503 CP	0.912kg
Eco-Duo 3m Pipework for 35mm	W1504 CP	1.584kg
Eco-Duo 3m Pipework for 42mm	W1505 CP	1.819kg
Eco-Duo 3m Pipework for 54mm	W1506 CP	2.422kg
Eco-Duo 3m Pipework for 66.7mm	W1507 CP	2.848kg
Eco-Duo 3m Pipework for 76.1mm	W1508 CP	3.779kg
Eco-Duo 3m Pipework for 108mm	W1649 CP	5.601kg

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
Maintains temperatures across the whole building.
Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

Copper Tube to BS EN 1057 - R250/ R290
15mm - 54mm = Half Hard
66.7 - 108mm = Hard
Spirals - 316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

Only for use with potable water
Only for use with pumped recirculated water

FINISHING OPTIONS

Copper CP

Pipe Spiral

ECODUO

SIZES

Eco-Duo 15mm Pipe Spiral (Pack of 20)	W8425 SS	0.4kg
Eco-Duo 22mm Pipe Spiral (Pack of 20)	W8426 SS	0.8kg
Eco-Duo 28mm Pipe Spiral (Pack of 20)	W8428 SS	1.2kg
Eco-Duo 35mm Pipe Spiral (Pack of 20)	W8429 SS	2.0kg
Eco-Duo 42mm Pipe Spiral (Pack of 20)	W8430 SS	2.4kg
Eco-Duo 54mm Pipe Spiral (Pack of 20)	W8431 SS	2.8kg
Eco-Duo 66.7mm Pipe Spiral (Pack of 20)	W8432 SS	3.2kg
Eco-Duo 76.1mm Pipe Spiral (Pack of 20)	W8433 SS	3.6kg
Eco-Duo 108mm Pipe Spiral (Pack of 20)	W8434 SS	3.8kg

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
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Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

316 Stainless Steel

MAX PRESSURE

16 Bar

NOTES

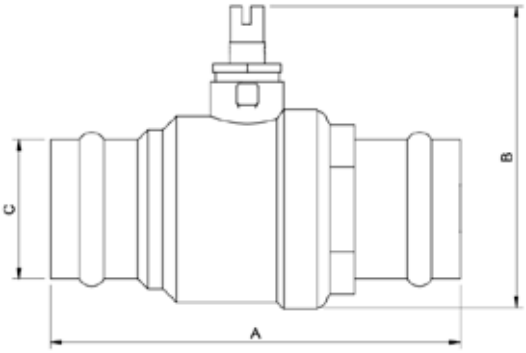
Only for use with potable water
Only for use with pumped recirculated water

FINISHING OPTIONS

Stainless Steel SS

Commissioning Fitting

ECODUO



SIZES

Eco-Duo Commissioning Fitting for 22mm	W1605 BR	0.45kg
Eco-Duo Commissioning Fitting for 28mm	W1606 BR	0.69kg
Eco-Duo Commissioning Fitting for 35mm	W1607 BR	0.89kg
Eco-Duo Commissioning Fitting for 42mm	W1608 BR	1.62kg

MATERIALS

Body: Brass
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
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50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
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NOTES

Only for use with potable water
Only for use with pumped recirculated water

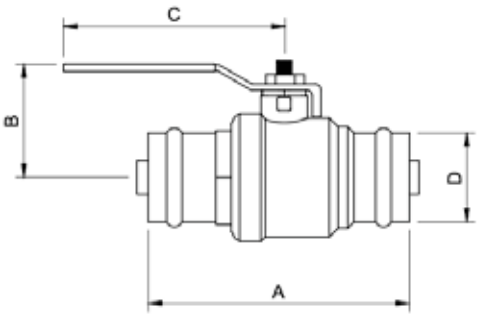
FINISHING OPTIONS

Brass BR

SKU	DESC	A	B	C
W1605 BR	22mm	101	65	22
W1606 BR	28mm	116	71	28
W1607 BR	35mm	136	80	35
W1608 BR	42mm	150	100	42

Continuous Isolation Valve - Blue Handle

ECODUO



SIZES

Eco-Duo Continuous Isolation Valve for 15mm	W1599 BL	0.30kg
Eco-Duo Continuous Isolation Valve for 22mm	W1600 BL	0.40kg
Eco-Duo Continuous Isolation Valve for 28mm	W1601 BL	0.70kg
Eco-Duo Continuous Isolation Valve for 35mm	W1602 BL	0.90kg
Eco-Duo Continuous Isolation Valve for 42mm	W1603 BL	1.10kg
Eco-Duo Continuous Isolation Valve for 54mm	W1604 BL	1.80kg

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
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No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

Main Body: Brass
Pipes: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar up to 30°C

NOTES

Only for use with potable water
Only for use with pumped recirculated water

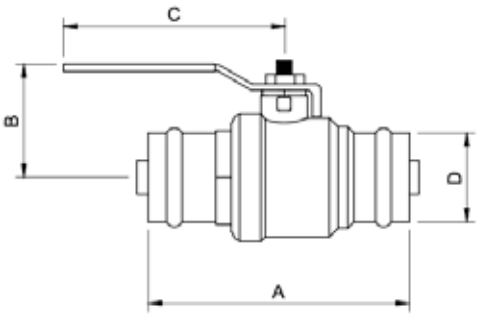
FINISHING OPTIONS

Copper CP

SKU	DESC	A	B	C	D
W1599 BL	15mm	78	46	90	15
W1600 BL	22mm	85	54	95	22
W1601 BL	28mm	100	57	110	28
W1602 BL	35mm	120	62	110	35
W1603 BL	42mm	135	77	140	42
W1604 BL	54mm	160	84	140	54

Continuous Isolation Valve - Red Handle

ECODUO



SIZES

Eco-Duo Continuous Isolation Valve for 15mm	W1599 RD	0.30kg
Eco-Duo Continuous Isolation Valve for 22mm	W1600 RD	0.40kg
Eco-Duo Continuous Isolation Valve for 28mm	W1601 RD	0.70kg
Eco-Duo Continuous Isolation Valve for 35mm	W1602 RD	0.90kg
Eco-Duo Continuous Isolation Valve for 42mm	W1603 RD	1.10kg
Eco-Duo Continuous Isolation Valve for 54mm	W1604 RD	1.80kg

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
Maintains temperatures across the whole building.
Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

Main Body: Brass
Pipes: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar up to 30°C

NOTES

Only for use with potable water
Only for use with pumped recirculated water

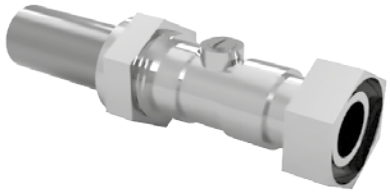
FINISHING OPTIONS

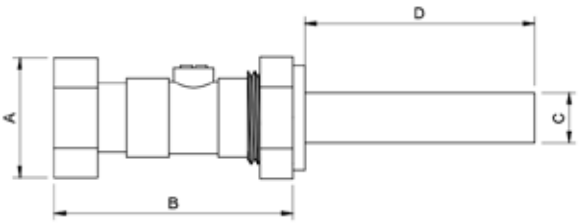
Copper CP

SKU	DESC	A	B	C	D
W1599 RD	15mm	78	46	90	15
W1600 RD	22mm	85	54	95	22
W1601 RD	28mm	100	57	110	28
W1602 RD	35mm	120	62	110	35
W1603 RD	42mm	135	77	140	42
W1604 RD	54mm	160	84	140	54

1/2 ” BSP Tap Connector Female - 15mm

ECODUO





SIZES

Eco-Duo 1/2 ” BSP Tap Connector Female 70mm	W1597 BL	0.10kg
Eco-Duo 1/2 ”BSP Tap Connector Female 90mm	W1598 BL	0.10kg
Eco-Duo 1/2 ” BSP Tap Connector Female 100mm	W1617 BL	0.10kg
Eco-Duo 1/2 ” BSP Tap Connector Female 130mm	W1618 BL	0.10kg
Eco-Duo 1/2 ” BSP Tap Connector Female 150mm	W1619 BL	0.10kg

FEATURES AND BENEFITS

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Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

Main Body: Brass
Pipes: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar up to 30°C

NOTES

Only for use with potable water
Only for use with pumped recirculated water

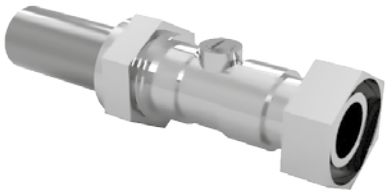
FINISHING OPTIONS

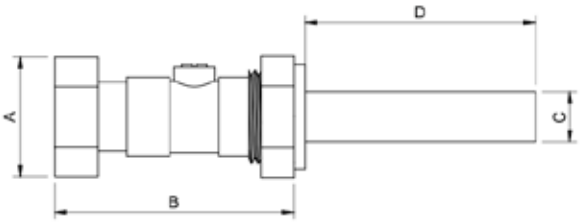
Copper CP

SKU	DESC	A	B	C	D
W1597 BL	70mm	25	50	15	70
W1598 BL	90mm	25	50	15	90
W1617 BL	100mm	25	50	15	100
W1618 BL	130mm	25	50	15	130
W1619 BL	150mm	25	50	15	150

3/4 ” BSP Tap Connector Female - 22mm

ECODUO





SIZES

Eco-Duo 3/4 ” BSP Tap Connector Female 70mm	W1620 CP	0.30kg
Eco-Duo 3/4 ” BSP Tap Connector Female 90mm	W1621 CP	0.30kg
Eco-Duo 3/4 ” BSP Tap Connector Female 100mm	W1622 CP	0.30kg
Eco-Duo 3/4 ” BSP Tap Connector Female 130mm	W1623 CP	0.30kg
Eco-Duo 3/4 ” BSP Tap Connector Female 150mm	W1624 CP	0.30kg

FEATURES AND BENEFITS

Patented Pipe-in-a-pipe technology
Saves 50% energy costs (tested by BRE)
Maintains temperatures across the whole building.
Halves installation time and costs
50% reduction in pipe fixings and insulation
No special installation required
Pipework can be cut as normal
Helps to reduce the risk of Legionella and other water borne pathogens
Can be used on hot and cold potable water systems

MATERIALS

Main Body: Brass
Pipes: Copper
Separators: 316 Stainless Steel

MAX PRESSURE

16 Bar up to 30° C

NOTES

Only for use with potable water
Only for use with pumped recirculated water

FINISHING OPTIONS

Copper CP

SKU	DESC	A	B	C	D
W1620 CP	70mm	35	85	22	70
W1621 CP	90mm	35	85	22	90
W1622 CP	100mm	35	85	22	100
W1623 CP	130mm	35	85	22	130
W1624 CP	150mm	35	85	22	150

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