

1ST FEBRUARY
2023

MasterFlow

THE NAME YOU CAN TRUST



PRESS FITTINGS PRICE LIST



WWW.MASTERFLOW.UK.COM

 an IBP GROUP company

MasterFlow

THE NAME YOU CAN TRUST

MasterFlow is the name you can trust for plumbing and heating fittings and accessories.

Over the years, MasterFlow has prided itself on supplying a comprehensive portfolio of quality products to the retail and independent markets. The range is comprised of 'M' profile copper fittings for heating, water and gas applications, with a selection of items available in an aesthetically pleasing chrome finish.

'M' Press is the user friendly plumbing solution offering the

advantage of flame-free installation. This saves on time and money whilst eliminating the need for solder, adhesives or additional jointing materials. With this, the range comes fully backed by manufacturer's guarantees and relevant industry approvals, including WRAS.

This price list provides all key details including product specifications, installation instructions and basic technical information. For more information on the product range, please visit masterflow.uk.com or contact your MasterFlow Area Sales Manager.

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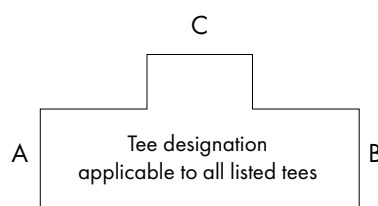
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Gas



MasterFlow

THE NAME YOU CAN TRUST

COPPER
PRESS RANGE
WATER AND HEATING



Copper Fittings: Coupler



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP10150000	15	10	£1.97
MCP10220000	22	10	£3.10
MCP10280000	28	5	£6.46
MCP10350000	35	5	£7.96
MCP10420000	42	2	£14.42
MCP10540000	54	2	£18.45
MCP10670000	66.7	1	£49.01
MCP10760000	76.1	1	£63.44

Copper Fittings: Reduced Coupler



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP10221500	22 x 15	10	£3.91
MCP10281500	28 x 15	5	£6.07
MCP10282200	28 x 22	5	£6.13
MCP10351500	35 x 15	2	£9.06
MCP10352200	35 x 22	2	£9.21
MCP10352800	35 x 28	2	£9.21
MCP10423500	42 x 35	2	£13.62
MCP10544200	54 x 42	2	£21.13

Copper Fittings: Slip Coupler



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP81150000	15	10	£4.13
MCP81220000	22	10	£6.44
MCP81280000	28	5	£9.50
MCP81350000	35	5	£14.50
MCP81420000	42	2	£19.05
MCP81540000	54	2	£33.33

Copper Fittings: 90° Elbow



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP16150000	15	10	£2.23
MCP16220000	22	10	£3.74
MCP16280000	28	5	£7.60
MCP16350000	35	5	£16.27
MCP16420000	42	2	£29.97
MCP16540000	54	2	£40.59
MCP16670000	66.7	1	£77.39
MCP16760000	76.1	1	£122.57

Copper Fittings: 90° Reduced Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP16221500	22 x 15	10	£4.16
MCP16281500	28 x 15	5	£10.44
MCP16282200	28 x 22	5	£6.08



Copper Fittings: 90° Street Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP97150000	15	10	£2.39
MCP97220000	22	10	£4.07
MCP97280000	28	5	£9.38
MCP97350000	35	5	£16.91
MCP97420000	42	2	£32.24
MCP97540000	54	2	£42.18
MCP97670000	66.7	1	£90.38
MCP97760000	76.1	1	£131.97



Copper Fittings: 45° Obtuse Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP93150000	15	10	£2.64
MCP93220000	22	10	£3.95
MCP93280000	28	5	£10.92
MCP93350000	35	5	£16.04
MCP93420000	42	2	£26.01
MCP93540000	54	2	£39.75
MCP93670000	66.7	1	£92.59
MCP93760000	76.1	1	£117.46



Copper Fittings: 45° Obtuse Street Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP95150000	15	10	£2.41
MCP95220000	22	10	£4.14
MCP95280000	28	5	£10.96
MCP95350000	35	5	£16.04
MCP95420000	42	2	£26.07
MCP95540000	54	2	£41.70
MCP95670000	66.7	1	£106.45
MCP95760000	76.1	1	£120.50



Copper Fittings: CxFi 90° Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP18150400	15 x 1/2"	10	£9.94
MCP18220600	22 x 3/4"	10	£14.68
MCP18280800	28 x 1"	5	£23.93

Copper Fittings: CxMi 90° Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP17150400	15 x 1/2"	10	£11.08
MCP17220600	22 x 3/4"	10	£17.50
MCP17280800	28 x 1"	5	£30.73

Copper Fittings: Wallplate Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP19150400	15 x 1/2"	5	£9.41
MCP19220600	22 x 3/4"	2	£34.45

Copper Fittings: CxCxFi Branch Tee

MasterFlow Code	Size (mm) A x B x C	Bag Qty	List GB£
MCP27151504	15 x 15 x 1/2"	10	£10.55
MCP27222204	22 x 22 x 1/2"	10	£15.77
MCP27222206	22 x 22 x 3/4"	10	£18.94
MCP27282804	28 x 28 x 1/2"	5	£24.21
MCP27282806	28 x 28 x 3/4"	5	£30.70
MCP27282808	28 x 28 x 1"	5	£40.23
MCP27353504	35 x 35 x 1/2"	5	£26.63
MCP27353506	35 x 35 x 3/4"	5	£42.99
MCP27353508	35 x 35 x 1"	5	£43.69
MCP27353510	35 x 35 x 1 1/4"	5	£45.59
MCP27424204	42 x 42 x 1/2"	2	£50.13
MCP27424206	42 x 42 x 3/4"	2	£51.43
MCP27424208	42 x 42 x 1"	2	£52.99
MCP27424212	42 x 42 x 1 1/2"	2	£52.99
MCP27545404	54 x 54 x 1/2"	2	£47.03
MCP27545408	54 x 54 x 1"	2	£106.11
MCP27545416	54 x 54 x 2"	2	£152.36



Copper Fittings: Fitting Reducer

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP92221500	22 x 15	10	£2.28
MCP92281500	28 x 15	10	£6.08
MCP92282200	28 x 22	5	£6.29
MCP92352200	35 x 22	5	£7.73
MCP92352800	35 x 28	5	£7.80
MCP92422200	42 x 22	2	£12.80
MCP92422800	42 x 28	2	£12.16
MCP92423500	42 x 35	2	£12.16
MCP92543500	54 x 35	2	£16.46
MCP92544200	54 x 42	2	£16.88
MCP92662800	66.7 x 28	1	£49.52
MCP92663500	66.7 x 35	1	£50.07
MCP92664200	66.7 x 42	1	£50.62
MCP92665400	66.7 x 54	1	£53.75
MCP92763500	76.1 x 35	1	£71.01
MCP92764200	76.1 x 42	1	£74.78
MCP92765400	76.1 x 54	1	£69.20
MCP92766700	76.1 x 67	1	£69.20



Copper Fittings: CxCxC Reducing Tee



MasterFlow Code	Size (mm) A x B x C	Bag Qty	List GB£
MCP20221515	22 x 15 x 15	5	£8.95
MCP20221522	22 x 15 x 22	5	£10.19
MCP20282222	28 x 22 x 22	5	£16.37
MCP20282228	28 x 22 x 28	5	£15.89

Copper Fittings: CxCxC Branch Tee



MasterFlow Code	Size (mm) A x B x C	Bag Qty	List GB£
MCP20222215	22 x 22 x 15	10	£6.89
MCP20282815	28 x 28 x 15	5	£13.07
MCP20282822	28 x 28 x 22	5	£13.28
MCP20353515	35 x 35 x 15	5	£19.09
MCP20353522	35 x 35 x 22	5	£18.83
MCP20353528	35 x 35 x 28	5	£20.99
MCP20424215	42 x 42 x 15	2	£37.58
MCP20424222	42 x 42 x 22	2	£35.68
MCP20424228	42 x 42 x 28	2	£35.38
MCP20424235	42 x 42 x 35	2	£35.93
MCP20545422	54 x 54 x 22	2	£58.52
MCP20545428	54 x 54 x 28	2	£58.86
MCP20545435	54 x 54 x 35	2	£59.40
MCP20545442	54 x 54 x 42	2	£62.87
MCP20666628	66.7 x 66.7 x 28	1	£152.91
MCP20666635	66.7 x 66.7 x 35	1	£152.81
MCP20666642	66.7 x 66.7 x 42	1	£152.81
MCP20666654	66.7 x 66.7 x 54	1	£148.70
MCP20767635	76.1 x 76.1 x 35	1	£187.47
MCP20767642	76.1 x 76.1 x 42	1	£187.47
MCP20767654	76.1 x 76.1 x 54	1	£187.47
MCP20767666	76.1 x 76.1 x 66.7	1	£187.47

Copper Fittings: CxCxC Equal Tee



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP20150000	15	10	£4.22
MCP20220000	22	10	£6.89
MCP20280000	28	5	£11.33
MCP20350000	35	5	£21.16
MCP20420000	42	2	£37.16
MCP20540000	54	2	£48.93
MCP20670000	66.7	2	£152.19
MCP20760000	76.1	1	£216.94

Copper Fittings: CxFi Coupler

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP12150400	15 x 1/2"	10	£8.09
MCP12150600	15 x 3/4"	10	£8.66
MCP12220400	22 x 1/2"	10	£10.26
MCP12220600	22 x 3/4"	10	£10.61
MCP12220800	22 x 1"	10	£11.94
MCP12280600	28 x 3/4"	10	£11.23
MCP12280800	28 x 1"	10	£14.39
MCP12350800	35 x 1"	5	£27.88
MCP12351000	35 x 1 1/4"	5	£27.97
MCP12421200	42 x 1 1/2"	2	£40.03
MCP12541600	54 x 2"	2	£75.51



Copper Fittings: CxMi Coupler

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP11150400	15 x 1/2"	10	£5.77
MCP11150600	15 x 3/4"	10	£7.08
MCP11220400	22 x 1/2"	10	£9.49
MCP11220600	22 x 3/4"	10	£9.20
MCP11220800	22 x 1"	10	£9.79
MCP11280600	28 x 3/4"	10	£14.27
MCP11280800	28 x 1"	10	£11.97
MCP11350800	35 x 1"	5	£21.67
MCP11351000	35 x 1 1/4"	5	£21.67
MCP11421200	42 x 1 1/2"	2	£31.22
MCP11541600	54 x 2"	2	£54.98
MCP11672000	67 x 2 1/2"	1	£123.55
MCP11762400	76 x 3"	1	£157.25

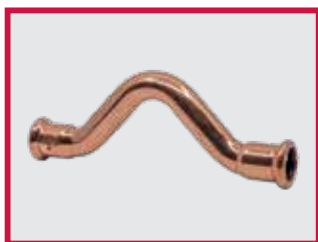


Copper Fittings: Part Crossover Coupler

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP85150000	15	10	£8.64
MCP85220000	22	10	£16.90

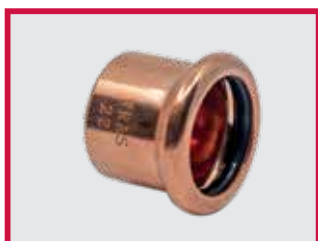


Copper Fittings: Full Crossover Coupler



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP86150000	15	10	£10.09
MCP86220000	22	10	£19.77

Copper Fittings: Cap End



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP15150000	15	20	£4.37
MCP15220000	22	10	£4.84
MCP15280000	28	10	£7.78
MCP15350000	35	10	£10.26
MCP15420000	42	4	£17.67
MCP15540000	54	4	£26.44

Copper Fittings: Straight Swivel Connector CU x Fi



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP13150400	15 x 1/2"	10	£9.29
MCP13150600	15 x 3/4"	10	£12.84
MCP13220600	22 x 3/4"	10	£11.45
MCP13220800	22 x 1"	10	£12.41
MCP13281000	28 x 1 1/4"	5	£20.73

Copper Fittings: Male Union Coupler



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCPU1504M	15 x 1/2" Mi	2	£16.32
MCPU2206M	22 x 3/4" Mi	2	£18.77
MCPU2808M	28 x 1" Mi	2	£28.05

Copper Fittings: Isolation Valve



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP3015000	15	5	£6.52
MCP3022000	22	5	£10.35

Copper Fittings: Lever Ball Valve C x C

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP69150000	15	1	£15.66
MCP69220000	22	1	£23.39
MCP69280000	28	1	£37.23
MCP69350000	35	1	£54.29
MCP69420000	42	1	£84.69
MCP69540000	54	1	£130.28



Copper Fittings: Lever Ball Valve C x Fi

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP69150400	15 x 1/2"	1	£14.89
MCP69220600	22 x 3/4"	1	£22.96
MCP69280800	28 x 1"	1	£38.48
MCP69351000	35 x 1 1/4"	1	£60.79
MCP69421200	42 x 1 1/2"	1	£101.12
MCP69541600	54 x 2"	1	£155.72



Copper Fittings: Copper Press Bucket

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCPFITPK0001	Coupler - 20x15mm & 10x22mm Equal Tee - 20x15mm & 10x22mm 90° Elbow - 20x15mm & 10x22mm Reducer - 10x22mm x 10x15mm	1	£327.12



Features and benefits

- WRAS approved.
- Quick installation.
- No need for flame.
- Marked for full traceability.
- Suitable for HVAC and hot and cold drinking water applications.
- For use with hard, half-hard and soft copper tube manufactured in accordance with EN 1057.
- Specially designed O-ring with leak detection indicators (up to 54 mm).
- Highly resistant to corrosion and oxidation with anti-microbial properties.
- Full product guarantee.

Applications & Technical Information

Copper Fittings

Applications	HVAC and hot & cold drinking water applications
Available sizes	15 mm to 76 mm
Wall thickness	Copper fittings: minimum 1.20 mm Brass fittings: minimum 1.40 mm
Operating parameters	Hydrostatic water pressure up to 16 bar
Materials	Copper fittings: CW024A Brass fittings: CW511L
O-ring	EPDM (Black) Ethylene rubber
Operating temperatures	-35 °C to 110 °C

MasterFlow

THE NAME YOU CAN TRUST

COPPER
PRESS CHROME RANGE
WATER AND HEATING



Chrome Fittings: Coupler

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP10150000P	15	10	£4.17

**Chrome Fittings:** Slip Coupler

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP81150000P	15	10	£6.92

**Chrome Fittings:** Equal Tee

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP20150000P	15	10	£8.46



Chrome Fittings: 90° Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP16150000P	15	10	£4.96

Chrome Fittings: 90° Street Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP97150000P	15	10	£5.02

Chrome Fittings: 45° Obtuse Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP93150000P	15	10	£5.64

Chrome Fittings: 45° Street Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP95150000P	15	10	£5.45



Features and benefits

- Quick installation.
- No need for flame.
- Marked for full traceability.
- Suitable for HVAC and hot and cold drinking water applications.
- For use with hard, half-hard and soft copper tube manufactured in accordance with EN 1057.
- Specially designed O-ring with leak detection indicators.
- Highly resistant to corrosion and oxidation with anti-microbial properties.
- Full product guarantee.
- Fully WRAS approved

Applications & Technical Information

Copper Chrome Fittings

Applications	HVAC and hot & cold drinking water applications
Available sizes	15 mm
Wall thickness	Copper fittings: minimum 1.20 mm Brass fittings: minimum 1.40 mm
Operating parameters	Hydrostatic water pressure up to 16 bar
Materials	Copper fittings: CW024A Brass fittings: CW511L
O-ring	EPDM (Black) Ethylene rubber
Operating temperatures	-35 °C to 110 °C

MasterFlow

THE NAME YOU CAN TRUST

COPPER
PRESS RANGE
GAS



Gas Copper Fittings: Coupler

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP10150000GAS	15	10	£2.55
MCP10220000GAS	22	10	£4.07
MCP10280000GAS	28	5	£8.11
MCP10350000GAS	35	2	£10.26
MCP10420000GAS	42	1	£18.15
MCP10540000GAS	54	1	£23.18



Gas Copper Fittings: Reduced Coupler

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP10221500GAS	22 x 15	10	£4.78
MCP10281500GAS	28 x 15	5	£7.41
MCP10282200GAS	28 x 22	5	£7.47
MCP10351500GAS	35 x 15	2	£11.07
MCP10352200GAS	35 x 22	2	£11.24
MCP10352800GAS	35 x 28	2	£11.24
MCP10423500GAS	42 x 35	2	£16.62
MCP10544200GAS	54 x 42	2	£25.77



Gas Copper Fittings: 90° Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP16150000GAS	15	10	£2.81
MCP16220000GAS	22	10	£4.71
MCP16280000GAS	28	5	£10.19
MCP16350000GAS	35	2	£20.31
MCP16420000GAS	42	1	£37.46
MCP16540000GAS	54	1	£51.94



Gas Copper Fittings: 90° Reduced Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP16221500GAS	22 x 15	10	£4.82
MCP16281500GAS	28 x 15	5	£11.11
MCP16282200GAS	28 x 22	5	£6.51



Gas Copper Fittings: 90° Street Elbow



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP97150000GAS	15	10	£2.84
MCP97220000GAS	22	10	£4.95
MCP97280000GAS	28	5	£12.56
MCP97350000GAS	35	2	£21.10
MCP97420000GAS	42	1	£40.28
MCP97540000GAS	54	1	£53.60

Gas Copper Fittings: 45° Obtuse Elbow



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP93150000GAS	15	10	£3.33
MCP93220000GAS	22	10	£4.63
MCP93280000GAS	28	5	£13.89
MCP93350000GAS	35	2	£19.62
MCP93420000GAS	42	1	£32.48
MCP93540000GAS	54	1	£54.84

Gas Copper Fittings: 45° Obtuse Street Elbow



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP95150000GAS	15	10	£2.81
MCP95220000GAS	22	10	£4.63
MCP95280000GAS	28	5	£14.49
MCP95350000GAS	35	2	£20.94
MCP95420000GAS	42	1	£32.60
MCP95540000GAS	54	1	£54.37

Gas Copper Fittings: Fitting Reducer



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP92221500GAS	22 x 15	10	£3.03
MCP92281500GAS	28 x 15	5	£7.78
MCP92282200GAS	28 x 22	5	£8.07
MCP92352200GAS	35 x 22	2	£9.66
MCP92352800GAS	35 x 28	2	£10.38
MCP92422200GAS	42 x 22	1	£16.02
MCP92422800GAS	42 x 28	1	£15.35
MCP92423500GAS	42 x 35	1	£15.22
MCP92543500GAS	54 x 35	1	£21.08
MCP92544200GAS	54 x 42	1	£21.08

Gas Copper Fittings: Gas Pressure Test Nipple

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP1N15	15	1	£18.37



Gas Copper Fittings: CxCxC Branch Tee

MasterFlow Code	Size (mm) A x B x C	Bag Qty	List GB£
MCP20222215GAS	22 x 22 x 15	5	£7.50
MCP20282815GAS	28 x 28 x 15	2	£27.09
MCP20282822GAS	28 x 28 x 22	2	£16.75
MCP20353515GAS	35 x 35 x 15	1	£28.97
MCP20353522GAS	35 x 35 x 22	1	£32.70
MCP20353528GAS	35 x 35 x 28	1	£30.45
MCP20424215GAS	42 x 42 x 15	1	£46.98
MCP20424222GAS	42 x 42 x 22	1	£44.63
MCP20424228GAS	42 x 42 x 28	1	£44.72
MCP20424235GAS	42 x 42 x 35	1	£44.82
MCP20545422GAS	54 x 54 x 22	1	£73.59
MCP20545428GAS	54 x 54 x 28	1	£73.82
MCP20545435GAS	54 x 54 x 35	1	£71.24
MCP20545442GAS	54 x 54 x 42	1	£71.52



Gas Copper Fittings: CxCxC Equal Tee

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP20150000GAS	15	5	£4.39
MCP20220000GAS	22	5	£8.01
MCP20280000GAS	28	2	£13.71
MCP20350000GAS	35	1	£26.84
MCP20420000GAS	42	1	£54.42
MCP20540000GAS	54	1	£64.29



Gas Copper Fittings: Cap End (Female)

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP15150000GAS	15	5	£5.38
MCP15220000GAS	22	5	£5.86
MCP15280000GAS	28	2	£9.92



Gas Copper Fittings: C x Fi Coupler



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP12150400GAS	15x1/2	10	£9.39
MCP12150600GAS	15x3/4	10	£10.05
MCP12220400GAS	22x1/2	10	£11.91
MCP12220600GAS	22x3/4	10	£12.33
MCP12220800GAS	22x1	10	£13.86
MCP12280600GAS	28x3/4	10	£13.04
MCP12280800GAS	28x1	10	£16.72
MCP12350800GAS	35x1	5	£32.37
MCP12351000GAS	35x1.1/4	5	£32.48
MCP12421200GAS	42x1.1/2	2	£46.48
MCP12541600GAS	54x2	2	£87.67

Gas Copper Fittings: C x Mi Coupler



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP11150400GAS	15x1/2	10	£6.70
MCP11150600GAS	15x3/4	10	£8.24
MCP11220400GAS	22x1/2	10	£11.02
MCP11220600GAS	22x3/4	10	£10.68
MCP11220800GAS	22x1	10	£11.36
MCP11280600GAS	28x3/4	10	£16.56
MCP11280800GAS	28x1	10	£13.90
MCP11350800GAS	35x1	5	£25.15
MCP11351000GAS	35x1.1/4	5	£25.15
MCP11421200GAS	42x1.1/2	2	£36.25
MCP11541600GAS	54x2	2	£63.84

Gas Copper Fittings: C x Fi Elbow



MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP18150400GAS	15x1/2	10	£11.74
MCP18220600GAS	22x3/4	10	£13.67
MCP18280800GAS	28x1	5	£20.70

Gas Copper Fittings: C x Mi Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP17150400GAS	15x1/2"	10	£6.99
MCP17220600GAS	22x3/4	10	£13.03
MCP17280800GAS	28x1"	5	£20.64



Gas Copper Fittings: Wallplate Elbow

MasterFlow Code	Size (mm)	Bag Qty	List GB£
MCP19150400GAS	15x1/2"	5	£12.02



Features and benefits

- Quick installation.
- No need for flame.
- Marked for full traceability.
- For use with hard, half-hard and soft copper tube manufactured in accordance with EN 1057.
- Incorporates a high quality HNBR (Hydrogenated Nitrile Butadiene Rubber) O-ring with no pre-press leak indicator for safety reasons.
- Suitable for natural gas / LPG and compressed air applications.
- Manufactured to and comply with the requirements of the following standards:
 - BS8537: 2010 copper and copper alloys. Plumbing fittings – Specification for press ends of plumbing fittings for use with copper tubes.
 - European draft standard pr EN1254-7 copper and copper alloys. Plumbing fittings – Part 7 fittings with press ends for metallic tubes.

Applications & Technical Information

Gas Copper Fittings	
Applications	Natural gas, LPG and compressed air applications.
Available sizes	15 mm to 54 mm
Operating parameters	Maximum operating pressure up to 5 bar
Materials	Copper fittings: CW024A Brass fittings: CW511L
O-ring	Yellow (no leak before press indicator), HNBR (Hydrogenated Nitrile Butadiene Rubber)
Operating temperatures	-20 °C to 70 °C

Installation Instructions: All Ranges



1. Cut tube at right angles to length.



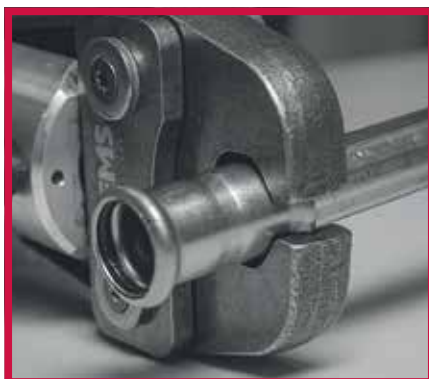
2. Deburr tube both internally and externally to prevent damage to the fitting seal on assembly.



3. Ensure that the fitting O-ring is seated correctly. Add a small amount of appropriate lubricant to the O-ring if required.



4. Rotate the tube and fully locate tube into the fitting and mark as shown for reference.



5. Place the correct press fitting jaw into the machine and insert the fastening bolt. Open the jaw at right angles to the fitting and activate the machine to pressfit.



6. Correctly pressed fitting.

MASTERFLOW PRODUCTS LIMITED TERMS AND CONDITIONS OF SUPPLY**1. General**

All quotations must be given and all contracts must be concluded by MasterFlow Products Limited (Company) in writing, or in electronic form through the Company's Electronic Data Interchange (EDI). These terms and conditions shall apply to all quotations and contracts for the sale or supply of goods (Goods) made between the Company and the recipient of the Goods (Purchaser) unless expressly varied or excluded in writing signed by one of the Company Directors. These terms and conditions and any quotation given constitute the entire agreement between the parties (Contract). If any of these conditions or any part thereof is rendered void or unenforceable by any legislation to which it is subject, it shall be so void and unenforceable to that extent and not further.

2. Acceptance

- 2.1 All orders are subject to the Company's written acknowledgement and are accepted on the understanding that these terms and conditions apply to the exclusion of all other terms and conditions which the Purchaser may purport to apply under any purchase order, confirmation of order or similar document.
- 2.2 Orders accepted cannot be cancelled without the Company's written consent and on terms which will indemnify the Company for all direct, indirect and consequential loss, damage, costs and expenses as a result of such cancellation.
- 2.3 Orders made through the EDI shall only become binding upon acknowledgement or receipt of order given by the Company and these terms and conditions shall apply.

3. Delivery

- 3.1 Time of delivery shall not be of essence and any dates expressed in the Contract or quotation are given subject to this condition. The Company shall not be liable for any direct, indirect or consequential loss, damage costs or expenses incurred or suffered by the Purchaser as a result of any delay in despatch or delivery howsoever caused.
- 3.2 Delivery of the Goods shall take place:
 - (a) where the Company transports the Goods, at the time the Goods are unloaded from the Company's vehicle or any third party carrier at the station, port or location specified by the Purchaser, or
 - (b) where the Purchaser transports the Goods at the Company's premises or other pre-arranged location.

4. Prices

- 4.1 Unless otherwise stated in the Contract, all prices in quotations and contracts are exclusive of VAT and apply to Goods packed in standard packs.
- 4.2 Orders to the value of £150 sterling or more will be supplied carriage paid to any premises of the Purchaser in the United Kingdom. Carriage of the Goods by the Company to any premises other than the Purchaser's premises are subject to the Customer's surcharge to cover carriage costs, such surcharge is a minimum charge of £35 sterling. No allowance will be made for carriage costs where Goods are collected by the Purchaser, or his agents from the Company's premises.
- 4.3 The Company reserves the right to impose a minimum order charge of £25 sterling on any order placed with a value less than £150 sterling to cover minimum administration and carriage costs to the Purchaser's premises in the UK.
- 4.4 Goods may be supplied by passenger train, special carrier service or air freight at the Customer's request subject to additional charges agreed with the Company.
- 4.5 Where FOB orders are valued at less than £750 sterling the Company reserves the right to impose additional charges for packing and delivery.
- 4.6 The Company reserves the right to refuse orders CFR or CIF to the value of less than £1,500 sterling. All CIF and CFR prices are based on the current freight rates and the Company reserves the right to amend the charges in the event of changes in freight rates at the time of shipment.
- 4.7 All prices are subject to alteration without prior notice and all orders are accepted on the understanding that they will be invoiced at prices ruling at the day of despatch. The Purchaser will pay such prices as so invoiced.
- 4.8 Any matter apart from the supply of Goods such as special packing tests or inspections, samples or other impositions shall be charged extra to the Purchaser.
- 4.9 All quotations made in currencies other than sterling are based on current exchange rates and the Company reserves the right to amend these in the event of changes in the rates of exchange.
- 4.10 All packing specifications are estimated and subject to possible alteration in the event of an order.
- 4.11 The terms FOB, CIF and CFR are as defined by Incoterms 2000 (as amended from time to time).

5. Payment

- 5.1 Unless otherwise agreed, payment of the price for the Goods is due in pounds sterling and shall be payable not later than 30 days after the last day of the month in which the Company delivers the Goods. Time for payment is of the essence of the Contract. If payment is not made by the due date the Company reserves the right to suspend deliveries on this or any other contract with the Purchaser.
- 5.2 Where the contract is may be fulfilled in separate instalments deliveries or parts, payment for each such instalment, delivery or part shall be made under sub-clause 5.1 above as if the same constituted a separate contract.
- 5.3 Should the Purchaser fail punctually to comply with the terms of payment, the Company shall be entitled to interest on any amount outstanding from the due date until the actual date of payment at the rate of 4% above the Barclays Bank Base Rate in force from time to time unless otherwise stated by the Company in writing at the time of ordering.

6. Risk and property in the Goods

- 6.1 Risk of damage to or loss of the Goods shall pass to the Purchaser at the time of delivery by the Company or collection by the Purchaser or, if the Purchaser fails to take delivery of the Goods, the time when the Company has tendered delivery of the Goods.
- 6.2 Notwithstanding delivery and passing of risk in Goods, or any other provision of these conditions, the property in any Goods shall not pass to the Purchaser until the Company has received payment in full of:
 - 6.2.1 the price of those Goods; and
 - 6.2.2 the price of all other Goods agreed to be sold by the Company to the Purchaser for which payment in full has not been received by the Company, in cash or cleared funds.
- 6.3 Until such time as the property in the Goods passes to the Purchaser, the Purchaser shall, at its own cost, hold the Goods as the Company's fiduciary agent and bailee, and shall keep the Goods separate from those of the Purchaser and third parties and properly stored, protected and insured and identified as the Company's property. The Purchaser shall be entitled to re-sell or use the Goods in the ordinary course of business.
- 6.4 Until such time as the property in the Goods passes to the Purchaser, (and provided the Goods are still in existence and have not been re-sold), the Company shall be entitled at any time to require the Purchaser to deliver up such Goods to the Company and, if the Purchaser fails to do so forthwith, to enter upon any premises of the Purchaser or any third party where the Goods are stored and re-possess either
 - 6.4.1 the Goods unpaid for, or
 - 6.4.2 other Goods which are the property of the Company up to the value of those unpaid for
- 6.5 The Purchaser shall not make any modifications to the Goods or their packaging or alter, remove or tamper with any marks, numbers or other means of identification on or in relation to the Goods.
- 6.6 The Purchaser shall account to the Company for the proceeds of sale or otherwise the Goods whether tangible or intangible, including insurance proceeds and shall keep all such proceeds of sale or otherwise on trust for the Company and hold separate from any monies or property of the Purchaser and third parties and in the case of tangible proceeds properly stored, protected and insured provided that the Purchaser will have no authority to enter into any contract of sale or other contract on behalf of the Company and any such contract shall accordingly be concluded in the name of the Purchaser.
- 6.7 The Purchaser shall not be entitled to pledge or in any way charge by way of security for any indebtedness any of the Goods which remain the property of the Company, but if the Purchaser does so all monies owing by the Purchaser to the Company shall (without prejudice to any other right or remedy of the Company) forthwith become due and payable.

7. Insolvency of the Purchaser

- 7.1 Where any of the following occurs, without prejudice to any other right or remedy available to the Company, the Company shall be entitled to cancel the Contract or suspend any further deliveries under the Contract without any liability to the Purchaser. If any of the Goods have been delivered to the Purchaser but not paid for, the price shall become immediately due and payable notwithstanding any previous agreement or arrangement to the contrary:
 - (a) the Purchaser makes any agreement or composition with its creditors or if a bankruptcy petition is presented or if the Purchaser enters into liquidation whether compulsorily or voluntarily; or
 - (b) an encumbrancer takes possession, or a receiver is appointed over the whole or any part of the Purchaser's assets or undertaking; or
 - (c) an administrator has been appointed to manage its affairs, business and property or if the Purchaser takes or suffers any similar action in consequence of debt; or
 - (d) the Purchaser ceases or threatens to cease to carry on business, suspends payments of its debts or is unable to pay its debts; or
 - (e) the Company reasonably apprehends that any of the events mentioned above is about to occur in relation to the Purchaser and notifies the Purchaser accordingly; or
 - (f) the Purchaser is subject to any event analogous to (a) or (e) in any other jurisdiction in which the Purchaser operates; where any of the events set out in (a) to (f) shall be defined as an Act of Insolvency

8. Undertaking and exclusion of liability

- 8.1 The Company warrants that on delivery and for a period of 365 days from the date of delivery, the Goods shall be of satisfactory ability within the meaning of the Sale of Goods Act 1979. The Purchaser shall give notice to the Company in writing of any breach of this warranty and shall give the Company reasonable opportunity to examine such Goods. The Company shall not be liable for any breach of this warranty if:
 - (a) the Purchaser makes any further use of such Goods after giving such notice; or
 - (b) the defect arises because the Purchaser failed to follow the Company's instruction as to the storage, installation, use or maintenance of the Goods; or
 - (c) the Purchaser alters or repairs such Goods without the Company's written consent
- 8.2 In the event of any Goods (or parts thereof) in place acknowledged by the Company to be defective, the Company shall repair the Goods, or at the Company's option supply free of charge new Goods (or parts thereof) and the Company shall have no further liability in respect of such defective Goods (or parts thereof).

- 8.3 The warranty given in condition 8.1 shall apply to any repaired or replaced Goods provided hereunder for the duration of the unexpired portion or the 365-day period applicable to the Goods for which the repair or replacement has been performed.
- 8.4 Subject as expressly provided in these conditions and except where the Goods are sold to a person dealing as a consumer (within the meaning of the Unfair Contract Terms Act 1977) all warranties, conditions or other terms which apart from this condition would be implied by statute or common law are excluded to the fullest extent permitted by law. Where the Goods are sold to a person dealing as a consumer (within the meaning of the Unfair Terms Act 1977) the statutory rights of the Purchaser are not affected by these conditions.
- 8.5 Neither the Company nor its officers, employees and agents shall (except in respect of death or personal injury caused by the negligence of the Company its officers, employees or agents and any liability which cannot be excluded under part 1 Consumer Protection Act 1987) be liable to the Purchaser by reason of any representation or implied warranty condition or other terms or any duty at common law, or under the express terms of the Contract, for any injury and/or loss, and/or damage of any kind whatsoever and howsoever arising or arisen whether direct, indirect, consequential or special and howsoever caused (whether occasioned by the negligence of the Company or its officers, employees or agents or otherwise and inducing without limitation any loss arising out of the liability of the Purchaser to any third party by virtue of part 1 Consumer Protection Act 1987) resulting from or arising out of or in connection with the Goods (including without limitation any defect therein end/or any act or omission of the Company in connection therewith, except as expressly provided in these conditions).
- 8.6 In no event will the Company be liable under any terms of or otherwise in connection with the contract for lost profits or any indirect or consequential damages.
- 8.7 The Purchaser shall indemnify the Company in full against any liability whatsoever (but excluding any liability based on the negligence of the Company its officers, employees or agents) which it may incur resulting from any claim made against the Company by a third party in respect of any matter for which liability to the Purchaser is excluded by the foregoing provisions of this condition 8.
- 8.8 Accordingly it shall be for the Purchaser to insure against any liability arising as a result of these conditions (including without limitation the operation of conditions (*) to 8* - above).

9. Checking Goods

Unless the Purchaser gives written notice to the Company within 14 days from the date of arrival of the Goods at the Purchaser's premises or the destination agreed by the parties as the case may be that the Goods are not in conformity with the Contract, the Purchaser shall be deemed to have accepted the Goods and shall be bound to make payment thereof on the due date.

10. Special Goods

Where the Company supplies Goods to the special requirement of the Purchaser the specification or description of which is outside the Company's usual range as set out in its catalogues the Company shall be entitled to supply the Purchaser 10% more or less of the entity of such Goods and to be paid for the quantity actually delivered. Any drawings supplied by the Purchaser shall become the property of the Company. Where part cost dies and tools are charged they are kept for the Purchaser's own use, but they remain the property of the Company and the Purchaser has no property in them. The Company reserves the right to consider obsolete, and to destroy, dies and tools from which no Goods have been ordered for a period of three years.

11. Inspection

If tests are required to the Purchaser's own specification, such tests are to be carried out at the Company's premises and are to be final there, although if desired arrangements can be made for a representative of the Purchaser to observe such tests and inspection.

12. Returns

Goods once despatched may not be returned without the Company's consent in writing. Where such consent is given, credit will only be allowed at the price at which the Goods were originally charged less a minimum of 20% to cover re-stocking, clerical and other expenses. Goods returned must be in good condition, adequately packed and identified and sent carriage paid. If transport is arranged by the Company either on its own vehicles or carriers the cost will be deducted from the credit.

13. Notification of damage, partial loss, etc

- 13.1 If the Goods or part thereof be damaged in transit or having been placed in transit have not been delivered to the Purchaser or as the Purchaser directed in writing:
 - (a) damage or partial loss from a consignment must be notified to the Company and the carrier, other than on a delivery document, immediately after delivery and confirmed in writing within 3 days;
 - (b) non-delivery of a consignment must be notified to the Company and the carrier in writing within 14 days of the date of despatch shown on the Company's invoice/advance note, whichever is the earlier, otherwise we reserve the right to charge for the costs ensuing from the delayed investigation;
 - (c) non-delivery of a consignment despatched to a destination outside the United Kingdom must be notified to the Company and the carrier in writing within 60 days of the date of despatch shown on the Company's invoice, otherwise we reserve the right to charge for costs ensuing from delayed investigation;
 - (d) the Company is not responsible for any damage to or loss of non-delivery of the Goods if by reason of the Purchaser's failure to give notice of damage or loss of non-delivery the Company is thereby prevented from recovering compensation for such damage or loss or non-delivery from the carrier or its agent. In the event the Company shall only be liable to pay such compensation as it receives from the carrier;
 - (e) where the Company has arranged marine insurance on behalf of the Purchaser, in the event of loss or damage, the terms and conditions stated on the insurance certificate must be strictly complied with.

14. Indemnity

The Company shall not be liable for and the Purchaser shall indemnify and hold the Company harmless against all claims by any person for infringement or alleged infringement of patents trademarks copyright or registered designs or otherwise arising directly or indirectly in connection with Goods manufactured by or with work done by the Company on Goods in accordance with Purchasers specifications or with the siting or installation of Goods.

15. Health and safety at work

It is the responsibility of the Purchaser to take such steps as are necessary to ensure that appropriate information relevant to the Goods is made available to any person to whom the Purchaser supplies them.

16. Termination

- 16.1 Without prejudice to its other rights, the Company may by giving written notice to the Purchaser elect to determine the contract forthwith on the happening of any of the following events:
 - (a) if the Purchaser shall commit a breach of this or any other contract with the Company;
 - (b) if the Purchaser shall commit or be subject to an Act of Insolvency (as defined in condition 7);
 - (c) if any sum owing to the Company from the Purchaser on any account whatsoever shall be unpaid after the due date for payment (in which event the Company shall have a general lien for any sum on all or any property of the Purchaser in its possession);
 - (d) if the Purchaser shall refuse to take delivery of or collect any of the Goods in accordance with the terms of the Contract.

17. Descriptive matter

Descriptive matter, illustrations, estimates of performance, dimensions and weights contained in documents issued by the Company are to be regarded as being for guidance only and are not binding on the Company in any way. The Company's policy is one of continuous improvement and the right to change designs at any time without notice is reserved. Claims of compliance with any relevant standards whether printed in catalogues or marked on Goods, are to be interpreted as type test compliance required by those relevant standards. Where any such details are important to the Purchaser the Purchaser should request the Company to confirm them expressly before placing an order.

18. Force Majeure

In the event of the Company being delayed from performing the contract by any cause beyond its reasonable control including (but without limitation) shortage of materials, or power, delays in transit, strikes or lockouts or other industrial disputes, whether at the Company's premises or those of its suppliers, or accidents at the Company's premises, whether or not the same was or might have been foreseen when the contract was concluded, performance by the Company shall be suspended during the period of delay, provided always that if such delays shall exceed 6 months, after the Company or the Purchaser may give written notice terminating the contract as to further deliveries or work.

19. Waiver and set-off

- 19.1 No failure or delay on the part of the Company to exercise any of its rights under the contract shall operate as a waiver thereof nor shall any single or partial exercise of any such right preclude any other or further exercise thereof. Any waiver by the Company or any breach by the Purchaser of any of the Purchaser's obligations under the contract shall not affect the rights of the Company in the event of any further or additional breach or breaches.
- 19.2 Any liability of the Company under the contract shall be subject to and conditional upon the due performance and observance by the Purchaser of all its obligations under these conditions and subject to these conditions the Purchaser shall not be entitled to withhold or delay payment or exercise any right of set-off whatsoever or howsoever arising which might otherwise be available to it.

20. English law

All contracts for sale and these conditions shall in all respects be construed and operate in accordance with English Law and the Purchaser hereby submits to the non-exclusive jurisdiction of the English courts but without prejudice to the right of the Company to bring proceedings in any jurisdiction it thinks fit.

21. Miscellaneous

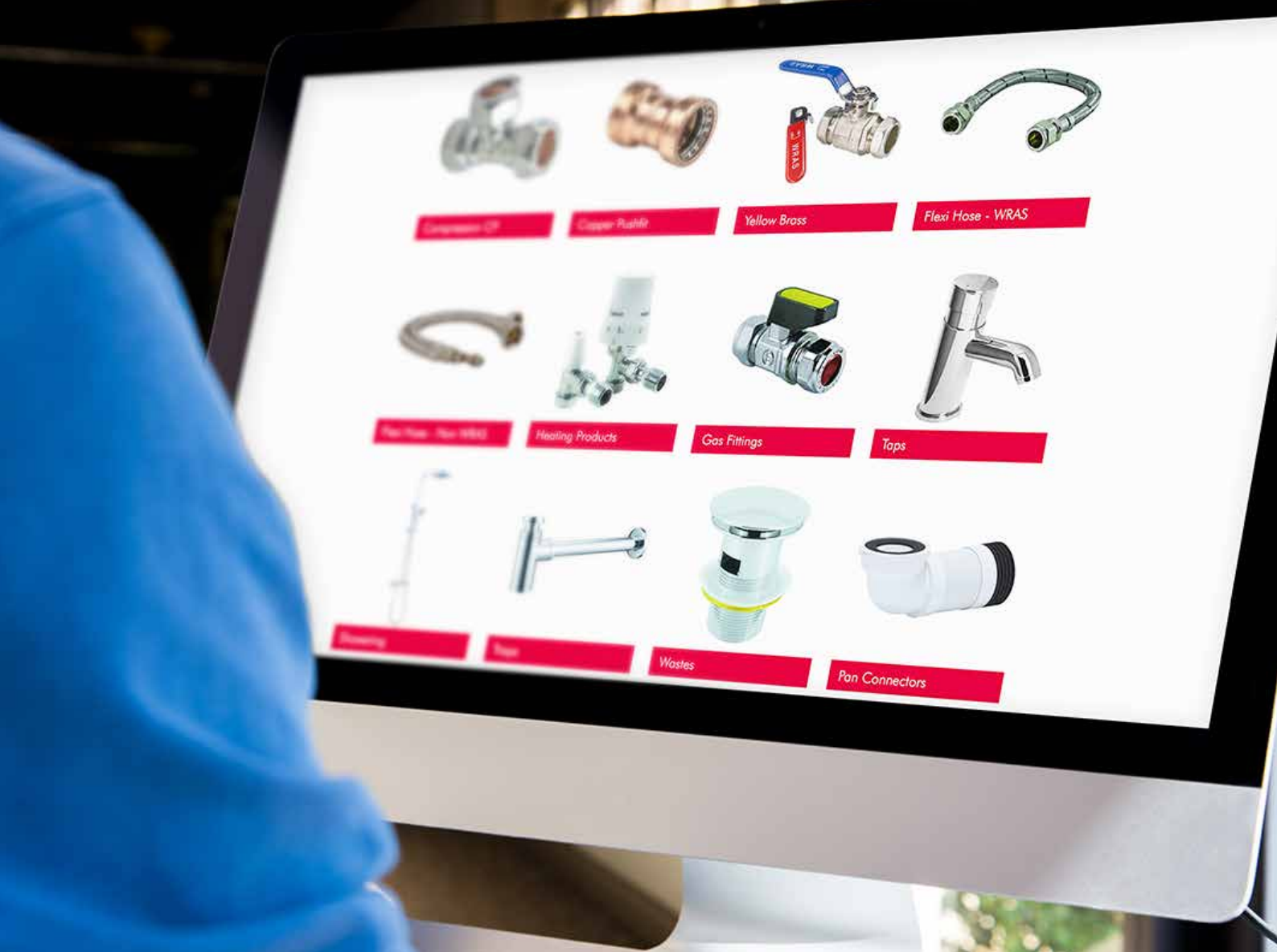
If any of the foregoing provisions shall be invalid or unenforceable such invalidity of unenforceability shall not affect the remaining provisions.

22. Privacy notice

We take your privacy very seriously and will only use your personal data to administer your account and provide the products and services you have requested from us.

Please refer to the privacy notice on our websites to understand what data we collect from you, why we collect it and how we will use it.

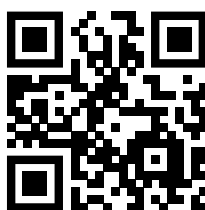
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