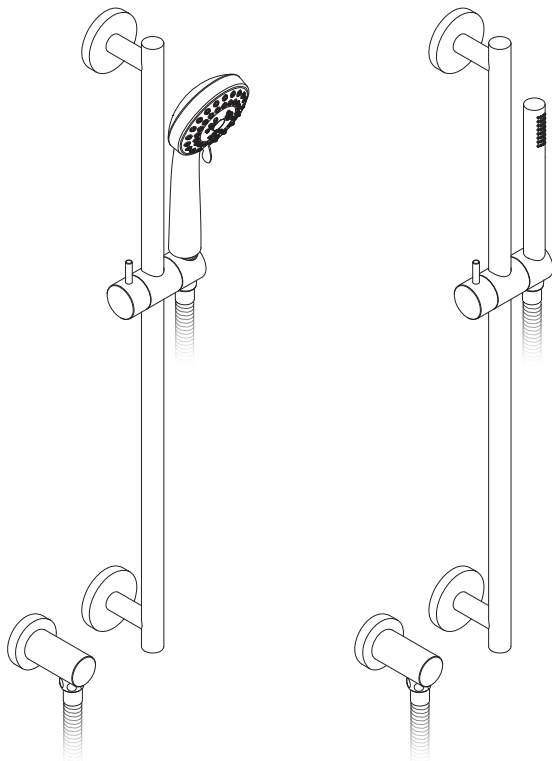




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**RISER RAIL & SHOWER HEAD
INSTALLATION**

Installation

We recommend that Coalbrook products are fitted by a fully qualified professional plumber. They should be installed correctly and in accordance with all local water regulations. All products and connections should be accessible for routine servicing.

System suitability

This Coalbrook product is potentially suitable for every possible application, type of boiler and water supply pressure. However, for full 'power' shower performance it is advisable to fit a water pump if the supply pressure is below 1 bar. For systems with combination boilers, it is not advisable to fit pumps (refer to boiler manufacturer).

Recommended supply temperatures

HOT - See duty of care section

COLD - 10/15°C

Water quality

In hard water areas, a suitable water treatment system should be provided to prevent limescale deposits (calcium deposits). Exterior surfaces should be gently wiped with a dry soft cloth after use to minimise water stains and limescale deposits.

It is important that the outlets/holes in the handshower are kept free of limescale. If limescale is allowed to form, it will reduce water flow and can result in damage. We recommend regular cleaning to prevent the formation of limescale.

Flushing system

It is most important to flush out all pipework thoroughly before connecting the product. Failure to do so is the single most common cause of water restriction.

Balancing flow

If there is a significant difference in water pressures between hot & cold supplies, we recommend an in-line flow suppressor/regulator (not supplied) be fitted. This should be fitted to whichever has the greater flow rate, in an accessible position close to the valve.

Supply temperature safety notice

A thermostatic mixing valve (TMV) should be fitted (not supplied) to the hot supply to restrict the temperature to a safe working/maximum temperature to comply with local building regulations, current legislation, relevant standards and codes of practice. Maximum allowed temperatures vary subject to type of installation or specification of building.

Duty of care

Legislation

Legislation dictates recommendations and guidelines on health and safety, including safe hot water temperatures. The emphasis is on regulatory and design criteria, with responsibility for meeting such guidelines being that of a suitably appointed responsible person.

How hot water temperatures affect the skin

65°C – A partial thickness burn in about 2 seconds

60°C – A partial thickness burn in about 5 seconds

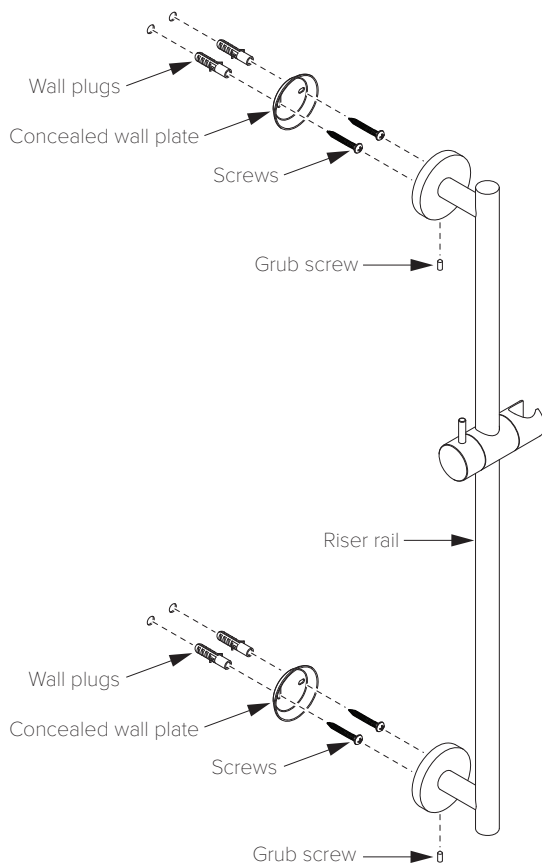
55°C – A partial thickness burn in about 15 seconds

50°C – A partial thickness burn in about 90 seconds

Safe temperature

The age, mental and physical capabilities of persons occupying the property will effect the setting of the hot water supply. For specific details please refer to local building regulations, current legislation, relevant standards and codes of practice.

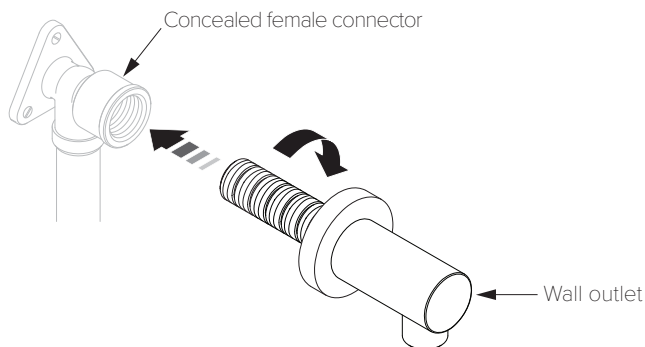
RISER RAIL INSTALLATION



1. Offer the concealed wall plates to the mounting surface and mark the hole positions in accordance with the centres shown on the specification diagram. Use a spirit level to check that the holes are horizontally and vertically aligned.
2. Drill holes using a suitably drill bit.
3. Insert the wall plugs into the holes, then secure the concealed wall plates with the screws provided.
4. Locate the riser rail over the concealed wall plates and secure from the underside using grub screws provided and a suitable hexagonal key.

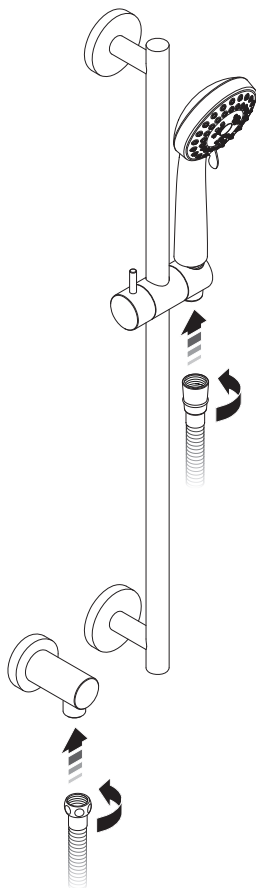
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1. The wall outlet requires a recessed 1/2" BSP female connector in place.
2. Measure the depth required for the wall plate to finish flush with the mating wall surface. Cut the threaded tail to the required length.
3. Apply a suitable sealant or sealing tape to the threaded tail.
4. Screw the wall outlet into the female connector. Ensure that the threaded hose connector is facing downward.

HOSE & HANDSHOWER INSTALLATION

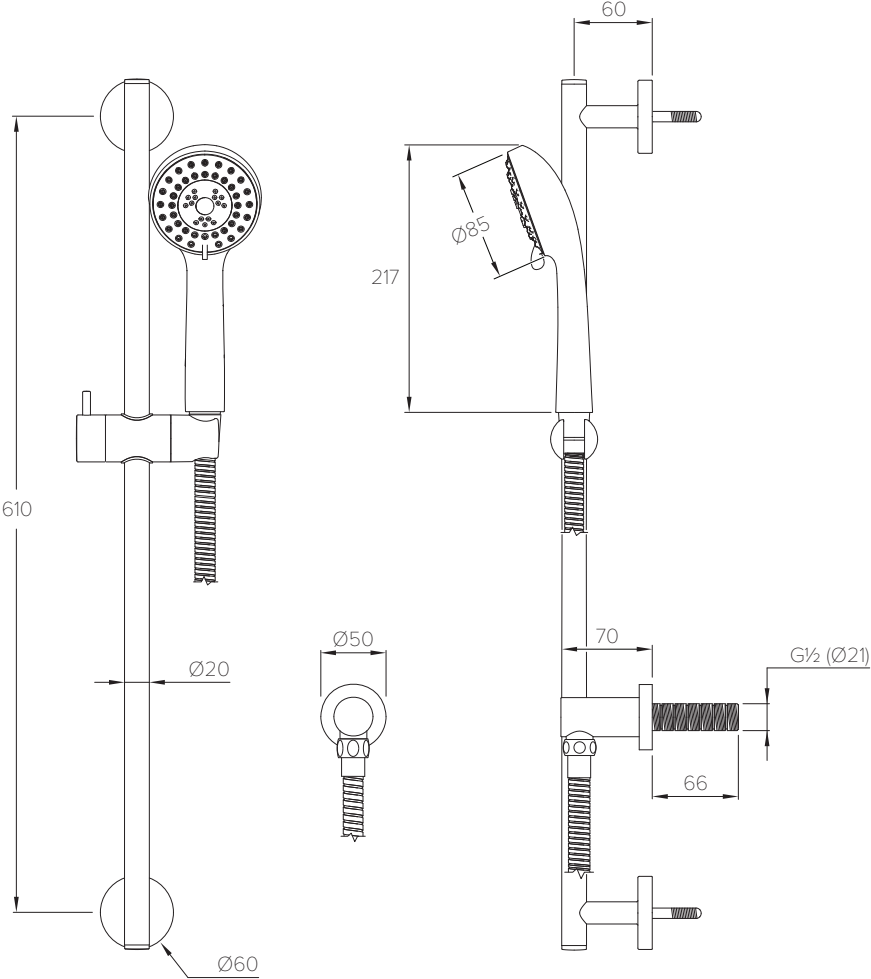


1. Screw the conical end of the provided shower hose on to the threaded end of the handshower.
2. Screw the hexagonal end of the shower hose on to the threaded section of the wall outlet.
3. Locate the handshower in to the riser cradle.

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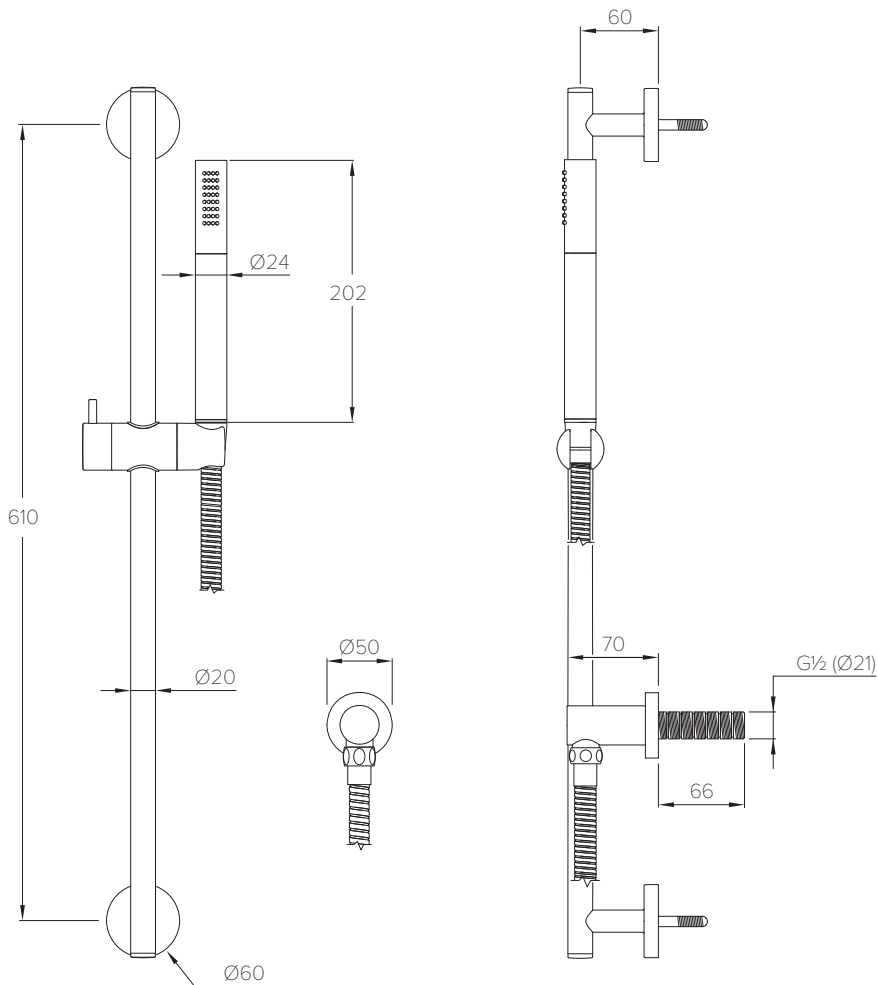
SPECIFICATION DIAGRAM (4002) (mm)



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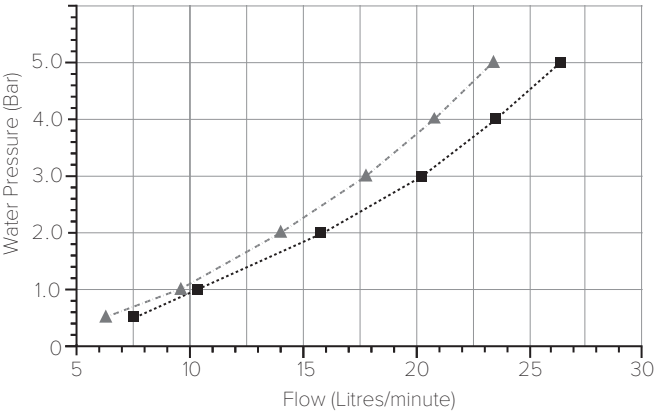
SPECIFICATION DIAGRAM (4012) (mm)



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TYPICAL FLOW RATES

Flow rates shown are free-flowing and may vary subject to restrictions created by installation, pipework layout or application



Water Pressure (Bar)	4002 (Litres/minute)	4012 (Litres/minute)
	■	▲
0.5	7.5	6.25
1.0	10.6	9.2
2.0	15.8	14.0
3.0	20.2	17.8
4.0	23.5	20.8
5.0	26.3	23.3



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