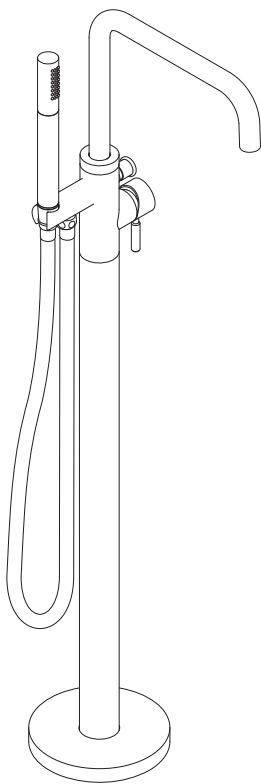




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**FLOOR MOUNTED BATH SHOWER MIXER
INSTALLATION**

Professional installation

We recommend that our products are fitted by a fully qualified professional plumber. They should be installed correctly and in accordance with all local water regulations and the system protected by non-return valves (not supplied). All products should be accessible for routine servicing.

Suits all systems

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

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.

The handspray can operate to a maximum water temperature of 60°C. However, the recommended maximum safe water temperature is 38°C.

Flushing system

It is most important to flush out all pipework thoroughly before connecting the mixer. Failure to do so is the single most common cause of cartridge failure.

Supply connections

The hot water supply must be connected to the left inlet port, and cold water to the right inlet port, as viewed from the front.

Balancing flow

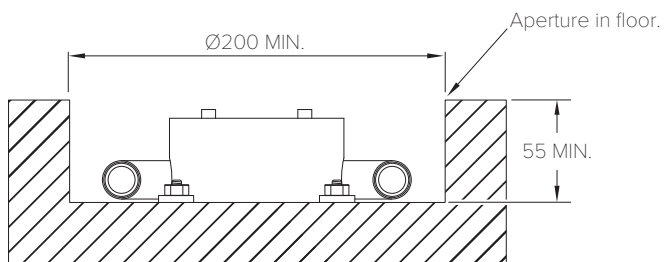
If a significant pressure difference exists between the hot and cold supplies, we advise fitting a 'flow regulator' (not supplied) to the higher or both supplies.

Water quality

In hard water areas, a suitable water treatment system should be provided to prevent limescale deposits (calcium deposits) which may effect the long term performance of the mixer cartridge. Exterior surfaces should be gently wiped with a dry soft cloth after use to minimise water stains and limescale deposits.

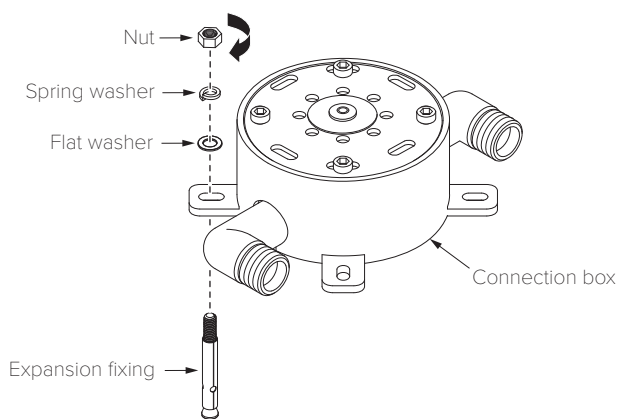
It is important that the outlets/holes in the handspray are kept free of limescale. If limescale is allowed to form, it will reduce water flow and can result in damage. We recommend regular cleaning to prevent the formation of limescale.

CONNECTION BOX INSTALLATION DIAGRAM (STEP 1) (mm)



1. Before installing the connection box, ensure that the aperture provided in the floor follows the dimensional guidelines shown in the diagram above.

CONNECTION BOX INSTALLATION DIAGRAM (STEPS 2 - 6)

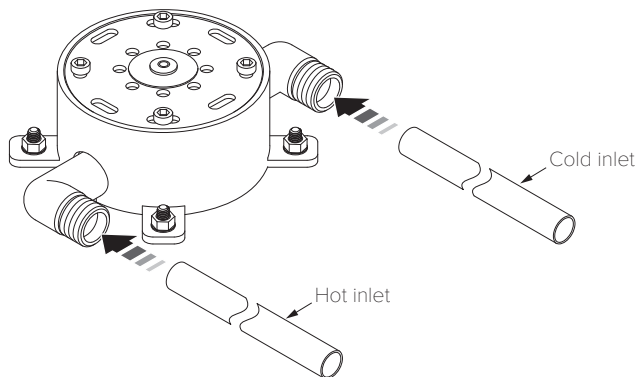


2. The inlet elbows can be rotated through 360°. Remove the inlet elbows, apply suitable sealant and position as required.
3. Place the connection box in its desired location, ensure that it is level using the spirit level on the top face of the connection box, then mark the four fixing locations.
4. Remove the connector box and drill four suitable sized holes for the expansion fixings. The holes should be deep enough to take the complete body length of the expansion fixings.
5. Remove the nuts and washers from the tops of the four expansion fixings. Locate the expansion fixings, washers and nuts as shown above. Do not tighten the nuts at this stage.
6. With the expansion fixings in place, Place the connection box back in its desired location, ensuring that the expansion fixings are located into the holes in the floor. Again, check that the unit is level using the spirit level on the top face of the connection box. Secure in place using a suitable socket/spanner.

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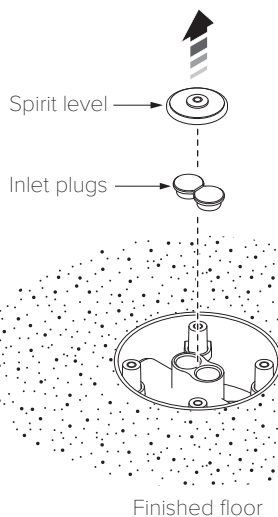
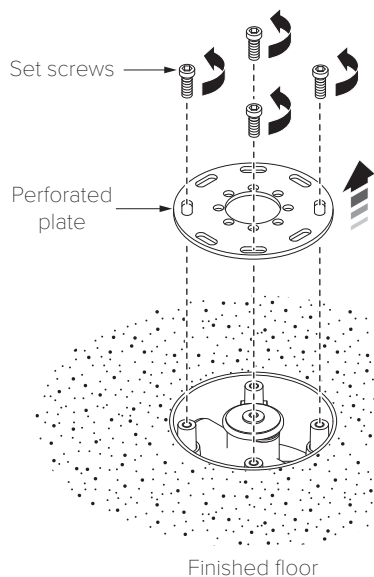
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CONNECTION BOX INSTALLATION DIAGRAM (STEPS 7 - 8)



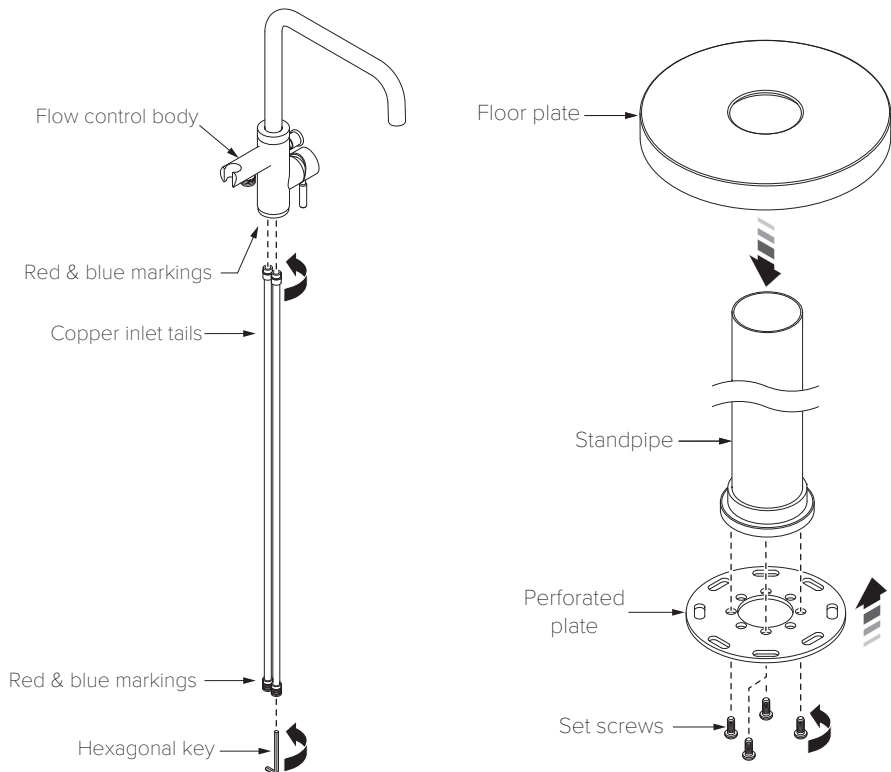
7. With the connection box secured, the hot and cold water connections can be made at the inlet elbows.
8. The inlets are capped within the connection box using inlet plugs. Check all connections for leaks before concealing pipework and continuing with the bath shower mixer installation.

CONNECTION BOX INSTALLATION DIAGRAM (STEPS 9 - 11)



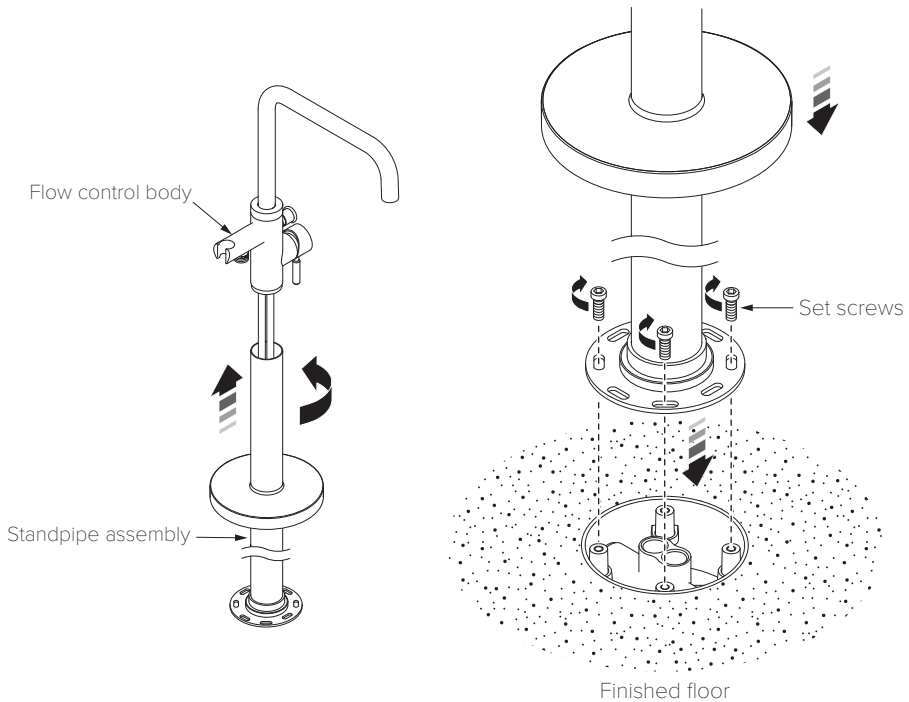
9. The connection box plumbing can now be concealed, leaving the top face exposed. Take precaution in keeping this area clean and free from debris.
10. Remove the perforated plate by unscrewing the four set screws using a suitable hexagonal key (supplied). Do not dispose of the perforated plate and set screws as these will be required.
11. The spirit level and inlet plugs can now be removed from the connection box.

FLOOR MOUNTED BATH SHOWER MIXER INSTALLATION (STEPS 1 - 3)



1. Begin the bath shower mixer installation by screwing both copper inlet tails into the flow control body using a suitable hexagonal key (supplied). The openings in the underside of the mixer body are marked with red and blue spots. The copper tails have red and blue rings at the bottom. Ensure that the copper tail colours match those of the spots. If an 'O' ring is damaged during installation there are four spares supplied.
2. Using the set screws supplied, secure the perforated plate to the underside of the standpipe using a suitable hexagonal key (supplied).
3. Locate the floor plate onto the standpipe.

FLOOR MOUNTED BATH SHOWER MIXER INSTALLATION (STEPS 4 - 7)

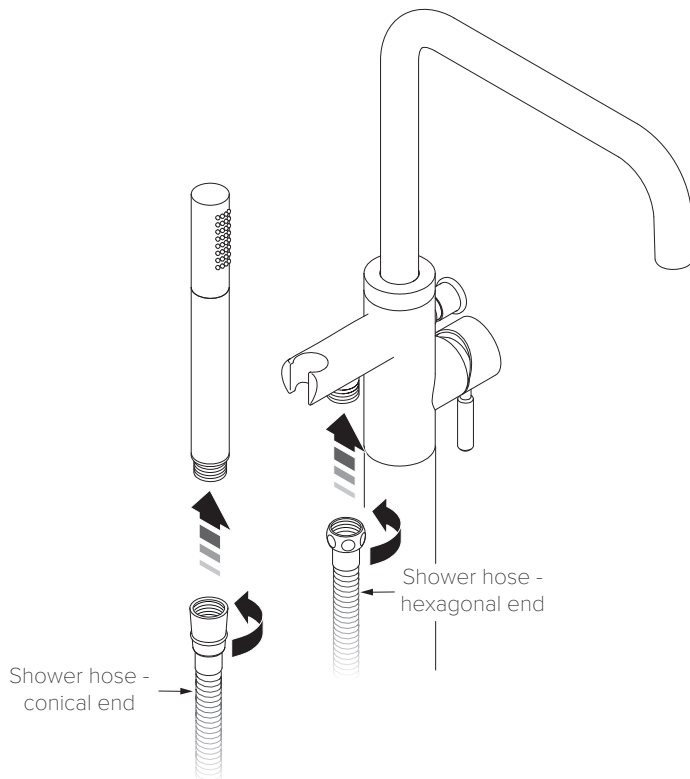


4. Screw the standpipe assembly onto the threaded end of the flow control body, ensure no gap is left at the joint.
5. Locate the copper tails at the bottom of the mixer assembly into the two centre holes on the connection box. 'H' & 'C' are marked on the inside of the connection box. Ensure that the copper tail colours match the corresponding 'H' (hot/red) & 'C' (cold/blue). If an 'O' ring is damaged during installation there are four spares supplied.
6. Secure the assembly in place using the set screws previously removed using a suitable hexagonal key (supplied).
7. Once the mixer has been secured, slide the floor plate down the standpipe to hide the perforated plate and connection box. Use a suitable sealant if necessary.

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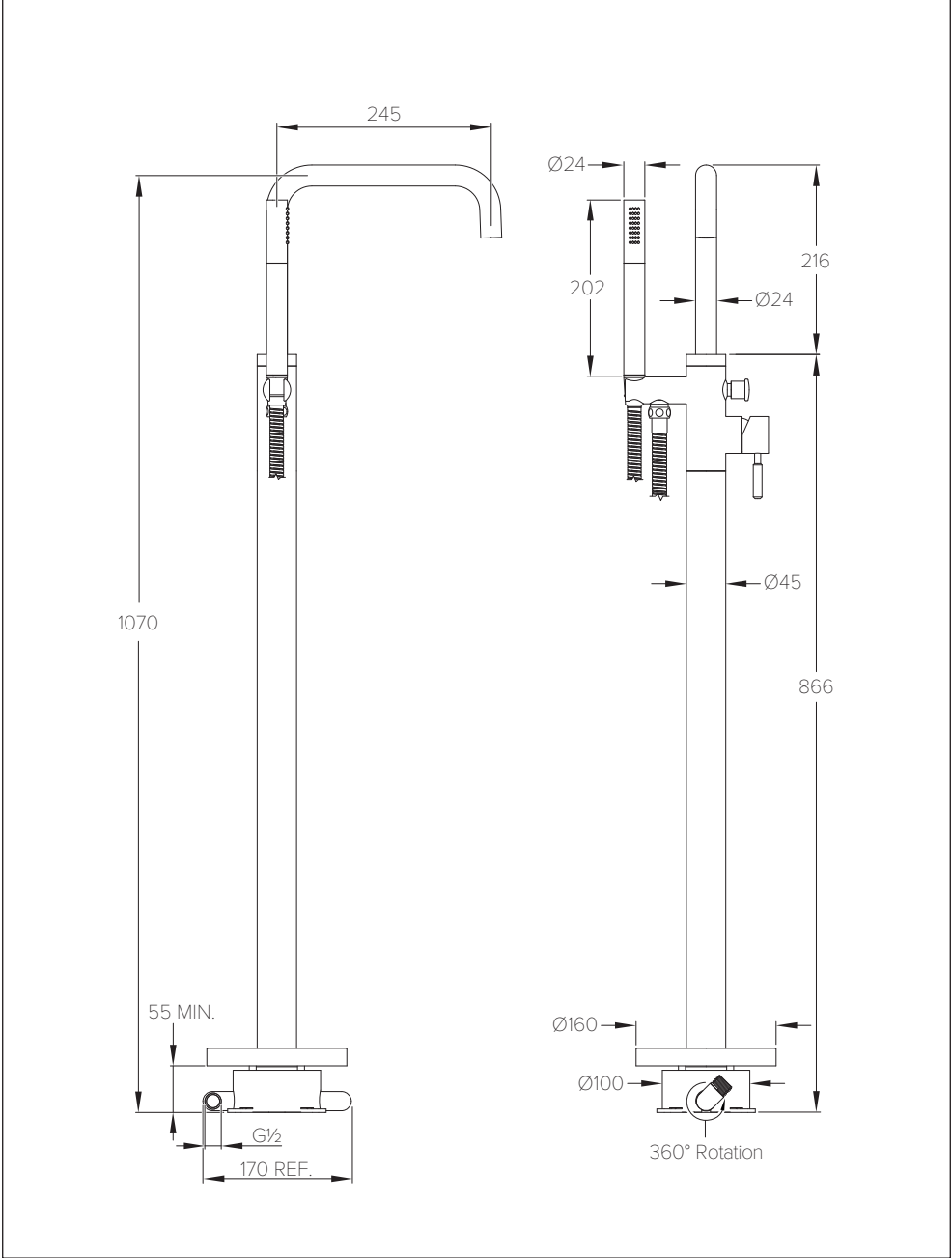
MAKING HOSE CONNECTIONS DIAGRAM (STEPS 1 - 3)



1. Use the provided shower hose to connect the handspray to the flow valve body. The conical end of the hose should be screwed onto the threaded end of the handspray. Screw the hexagonal end of the shower hose onto the outlet port on the flow valve body.
2. Check the operation of the mixer and handspray.
3. Check for leaks.

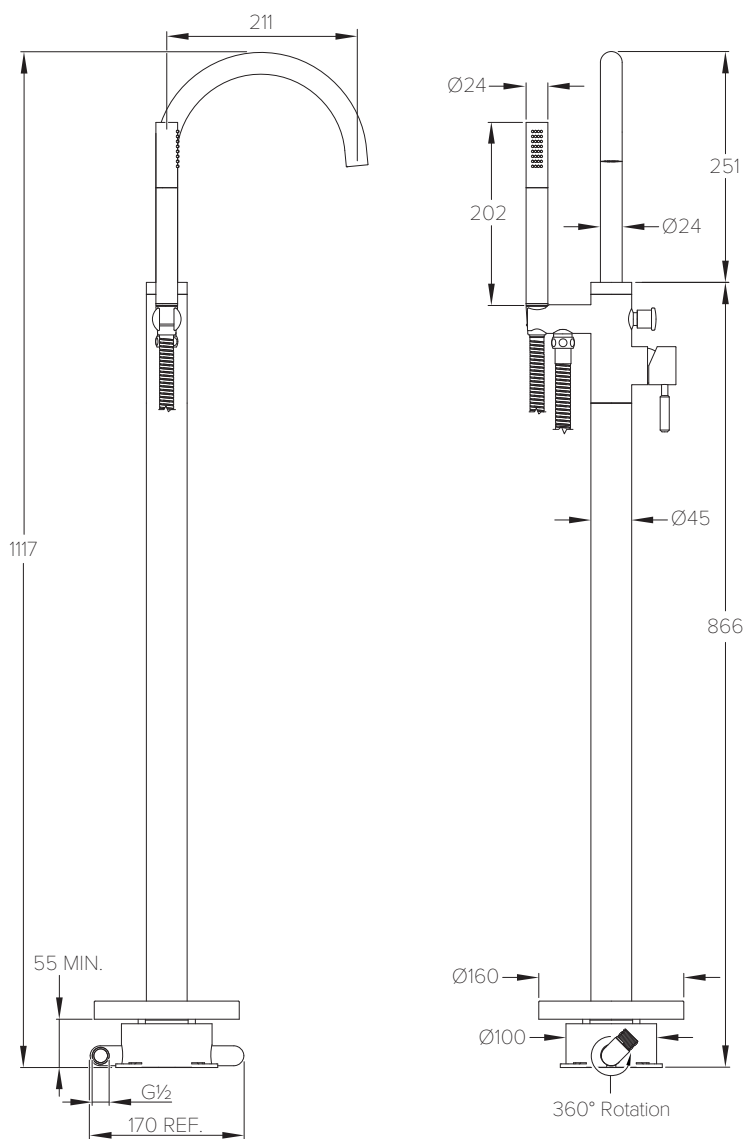
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SPECIFICATION DIAGRAM (mm) FOR 2001



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SPECIFICATION DIAGRAM (mm) FOR 2009

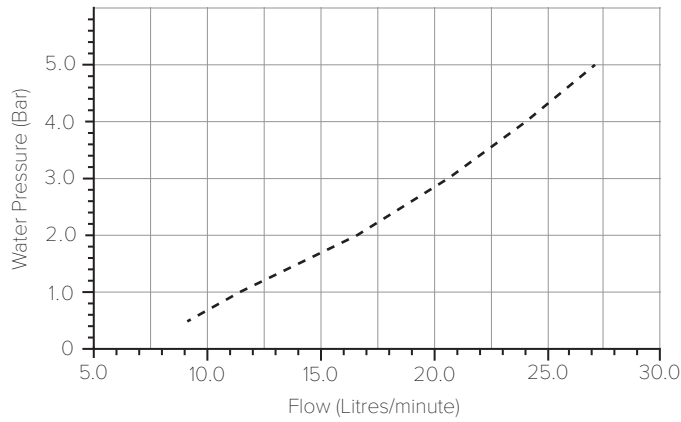


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TYPICAL FLOW RATES (SPOUT)

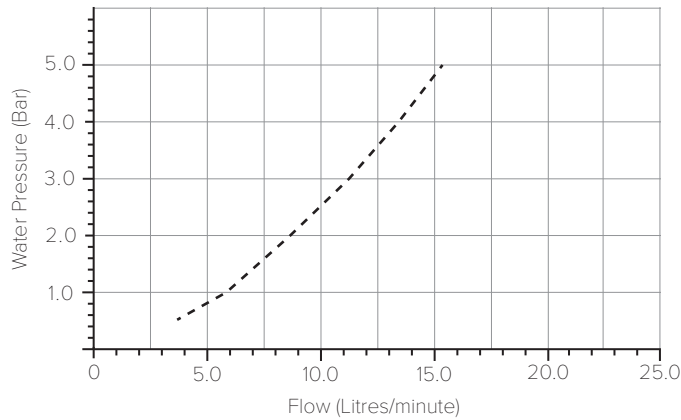
Flow rates shown are free-flowing and may vary subject to restrictions created by installation, pipework layout or application.



Water Pressure (Bar)	Outlet (Litres/minute)
0.5	8.1
1.0	11.4
2.0	16.7
3.0	20.8
4.0	24.0
5.0	27.1

TYPICAL FLOW RATES (HANDSPRAY)

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



Water Pressure (Bar)	Outlet (Litres/minute)
0.5	3.8
1.0	5.9
2.0	8.8
3.0	11.2
4.0	13.3
5.0	15.2



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