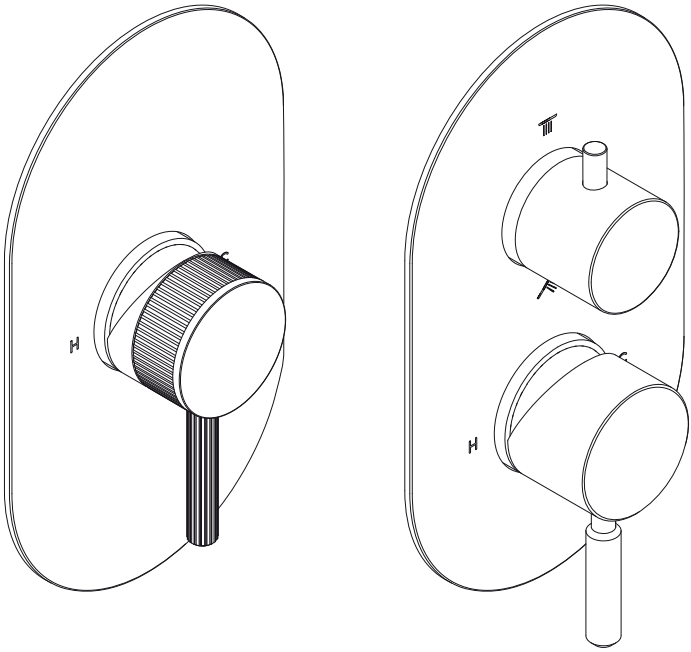
COALBROOK



MANUAL SHOWER VALVE INSTALLATION

3005 | 3006

IMPORTANT INFORMATION

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) which may effect the long term performance of the cartridges. Exterior surfaces should be gently wiped with a dry soft cloth after use to minimise water stains and limescale deposits.

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 cartridge failure.

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

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.

Making connections

Parallel fittings (direct to valve)
Direct connections to the valve inlets and outlets should only be made using G1/2 parallel fittings.

Tapered fittings (use adapters)
Parallel to tapered adapters must be used to convert the connections when using tapered fittings. These should be securely fitted to the valve using a suitable thread sealing compound to make a watertight joint.

Tapered fittings must NOT be connected directly to the valve without the use of adapters.

Securing valve to wall
Secure the valve to the wall using suitable screws and wall plugs. All connections should be pressure tested before the valve is sealed behind the wall.

IMPORTANT INFORMATION

Non-return valves
The shower valve does not contain non-return valves/check valves. If the shower valve is connected to a hand shower with a hose, the water system must be protected by non-return valves/check valves in accordance with local regulations.

Access
It is important to leave suitable clearance and access to the valve and connections for future servicing.

Safety/Anti-scald
This shower valve does not contain a thermostatic control. It is important to operate the valve and check the water temperature before use.

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

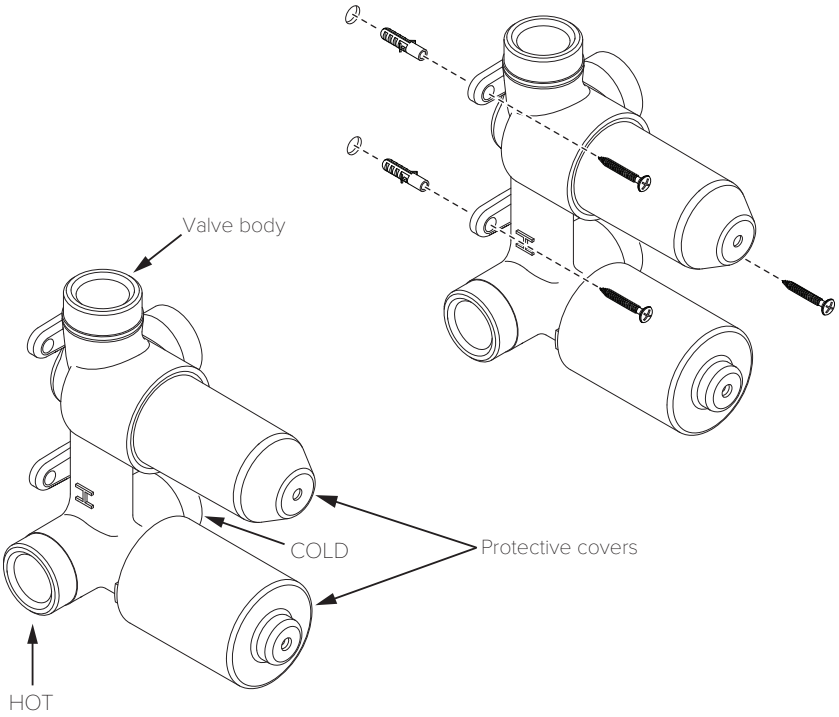
Legislation
Legislation dictates recommendations and guidelines on health and safety, including safe hot water temperatures. The emphasis is on regulatory and design criteria, with responsibility for meeting such guidelines being that of a suitably appointed responsible person.

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 ‘safe temperature’ setting of the hot water supply. For specific details please refer to local building regulations, current legislation, relevant standards and codes of practice.

SHOWER VALVE INSTALLATION (STEPS 1 - 5)

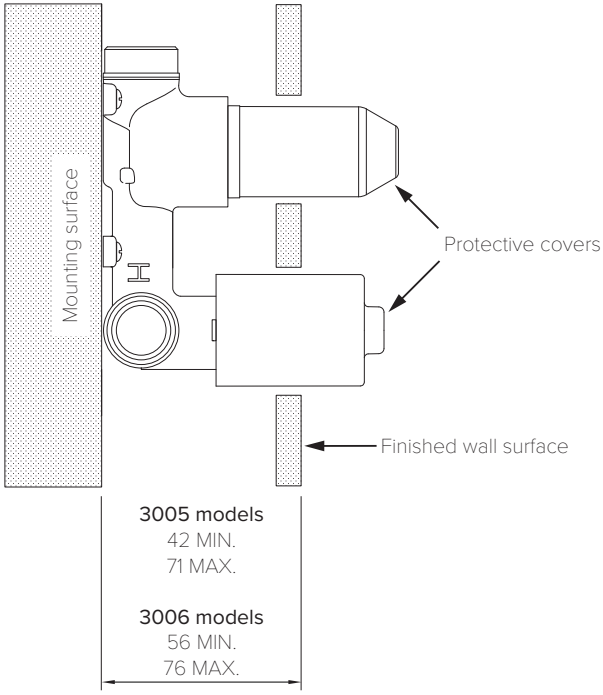
Shown with 3006 model



1. Offer the valve body up to the mounting surface and mark the desired hole locations.
2. Drill holes using a suitably sized drill bit for the required fixings/wall plugs.
3. Using appropriate fixings/screws for the mounting surface, secure the mixer valve in place.
4. Ensure that the water supplies have been flushed before connection is made to the valve. Connect the hot and cold water supplies to the 1/2" BSP inlets of the mixer valve. These are identified by a 'H' & 'C'. The HOT connection must be connected to the left hand port, and the COLD to the right hand port.
5. Check all connections for leaks. Ensure that the protective covers are securely assembled before concealing pipework and continuing installation.

SHOWER VALVE INSTALLATION (STEPS 6 - 9) (mm)

Shown with 3006 model



6. The valve must be installed to comply with the minimum and maximum measurements shown. Please note that the dimensions are from the mounting surface to the finished wall surface.

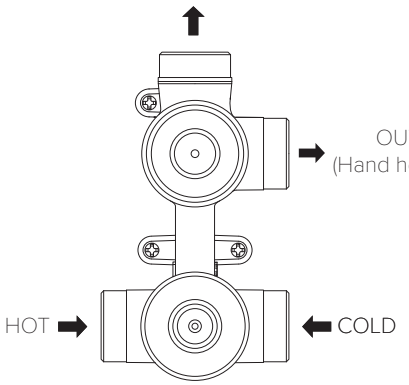
7. Connect G1/2 outlet(s) as required. See making the connection section for details.

8. Check all connections for leaks and ensure the protective covers are in place before concealing pipework and continuing installation. Do not remove the protective covers until wall finishing is complete.

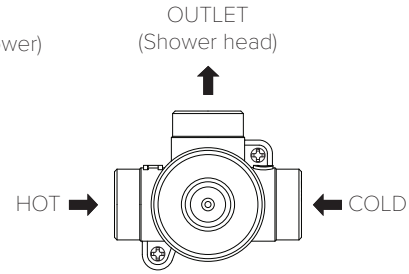
9. The shower valve can now be concealed by the finished wall.

MAKING THE CONNECTIONS

3006 (2 OUTLET)



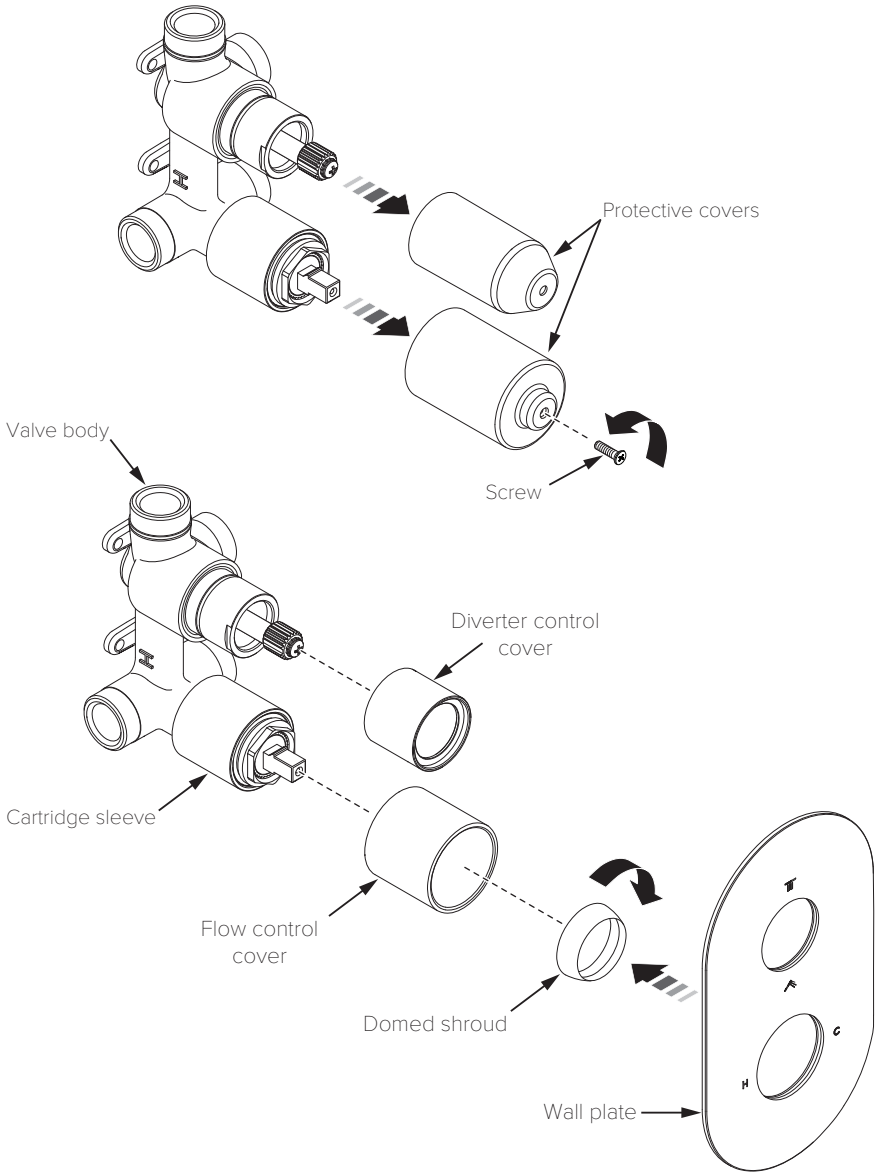
3005 (1 OUTLET)



1. The above shows the input and output locations for the shower valves.
2. Check all connections for leaks.

CONTROL COVERS & WALL PLATE INSTALLATION DIAGRAM (3005 & 3006)

Shown with 3006 Decca model

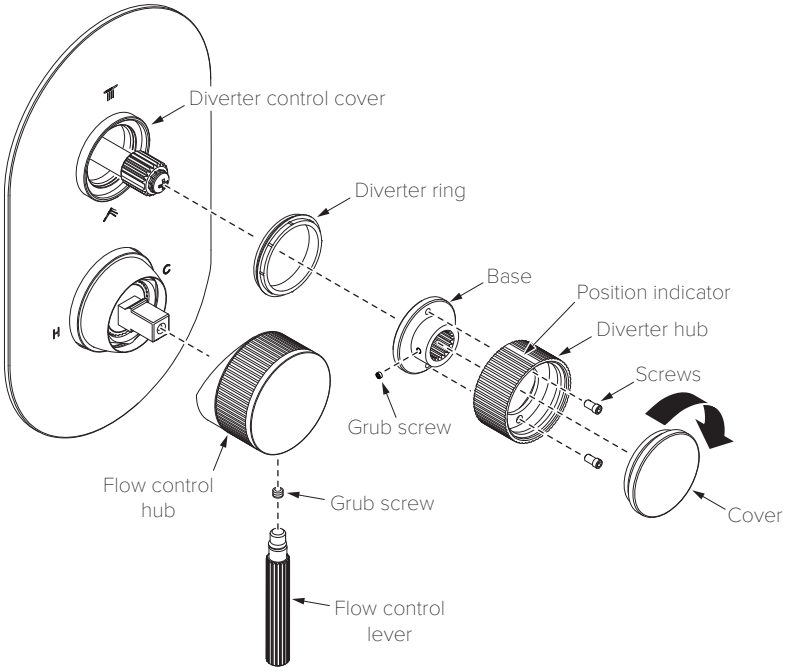


CONTROL COVERS & WALL PLATE INSTALLATION (3005 & 3006)

1. Remove any protective covers. Disposed of any screws used for securing protective covers.
2. Slide the flow control cover onto the cartridge sleeve.
3. Screw the domed shroud in place.
4. 3006 models only - Locate and gently push the diverter control cover until it comes to a stop.
5. Ensure that 'O' ring(s) are assembled into the groove(s) of the hole(s) in the wall plate before assembly. Install the wall plate by removing the backing from the adhesive strips on the back face and locating it over the control cover(s). Use suitable sealant if necessary.

DECCA TRIM INSTALLATION (3005 & 3006)

Shown with 3006 Decca model



1. Locate the flow control hub onto the flow control cartridge and secure using the supplied grub screw and a suitable hexagonal key. The wider section of the flow control hub should be facing downward when in the OFF position. Screw the flow control lever into the bottom of the flow control hub. The lever should be facing downward when in a OFF position.

3006 models only -

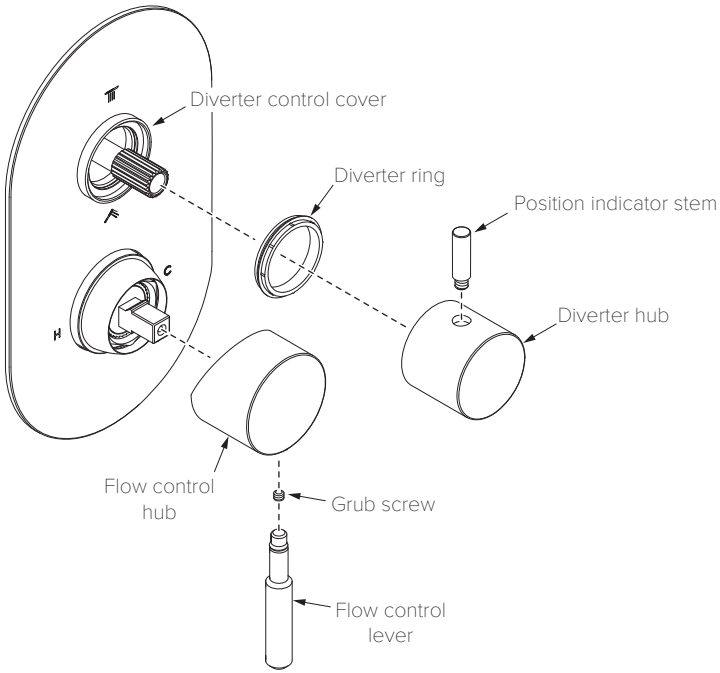
2. Locate the diverter ring into the diverter control cover. Rotate the diverter handle base until the two small holes are vertical and the grub screw hole is to the left. Locate the base onto the splines of the diverter cartridge and secure using the provided grub screw and a suitable hexagonal key.

3. Rotate the diverter hub so that the position indicator is at the top. Secure the diverter hub to the base using the provided screws.

4. Screw the cover onto the diverter hub.

DOMO TRIM INSTALLATION (3005 & 3006)

Shown with 3006 Domo model



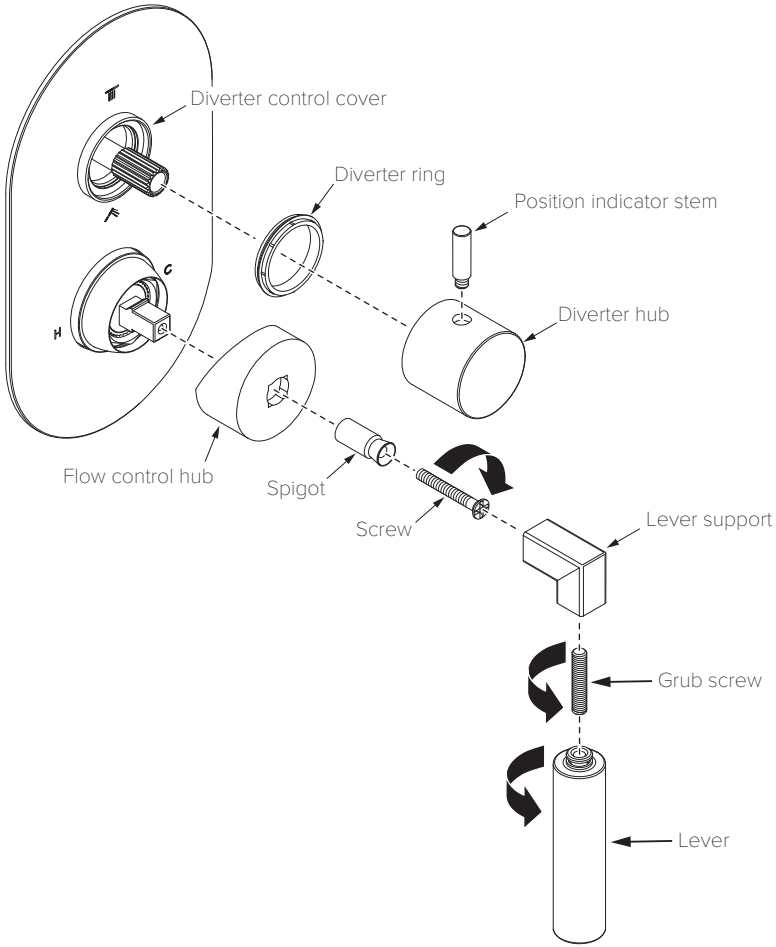
1. Locate the flow control hub onto the flow control cartridge and secure using the supplied grub screw and a suitable hexagonal key. The wider section of the flow control hub should be facing downward when in the OFF position. Screw the flow control lever into the bottom of the flow control hub. The lever should be facing downward when in a OFF position.

3006 models only -

2. Locate the diverter ring into the diverter control cover. Locate the diverter hub onto the splines of the diverter cartridge and secure by screwing the position indicator stem into the top of the diverter hub.

ZURICH TRIM INSTALLATION DIAGRAM (3005 & 3006)

Shown with 3006 Zurich model



ZURICH TRIM INSTALLATION (3005 & 3006)

1. Locate the flow control hub onto the flow control cartridge. The wider section of the flow control hub should be facing downward when in the OFF position.

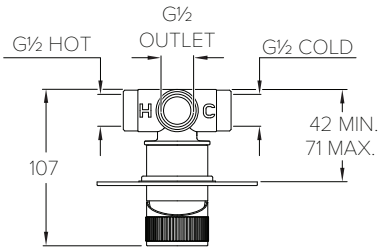
2. Pass the spigot through the flow control hub and secure using the provided screw.

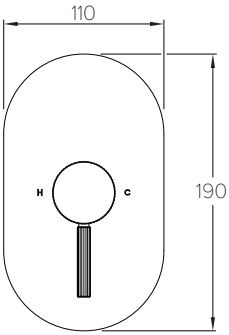
3. Slide the longer section of the lever support over the spigot until in contact with the flow control hub. Secure using the grub screw and a suitable hexagonal key. Screw the lever onto the thread of the grub screw. The lever should be facing downward when in a OFF position.

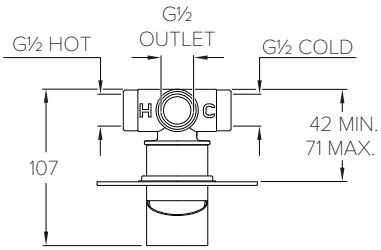
3006 models only -

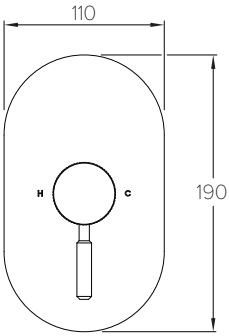
4. Locate the diverter ring into the diverter control cover. Locate the diverter hub onto the splines of the diverter cartridge and secure by screwing the position indicator stem into the top of the diverter hub.

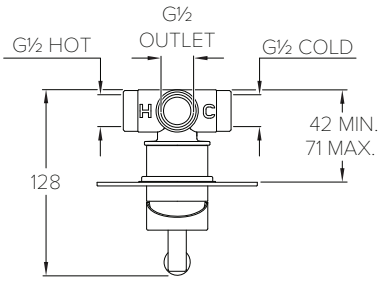
SPECIFICATION DRAWINGS (3005) (mm)

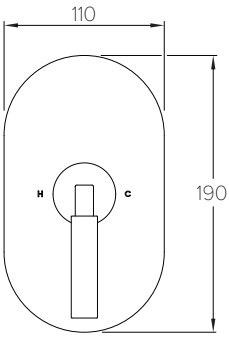




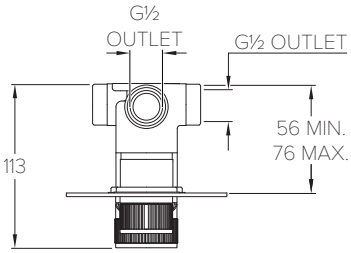


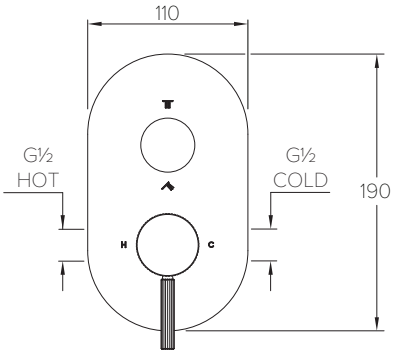


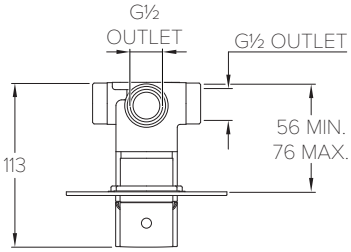


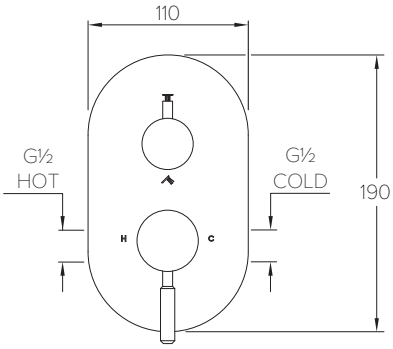


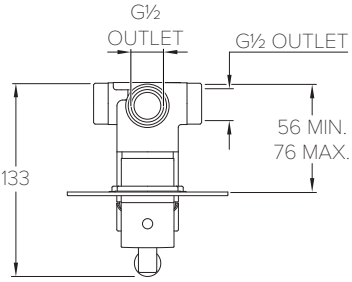
SPECIFICATION DRAWINGS (3006) (mm)

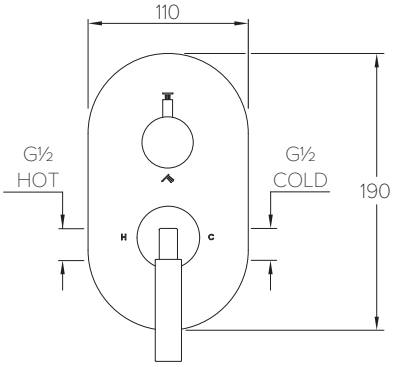






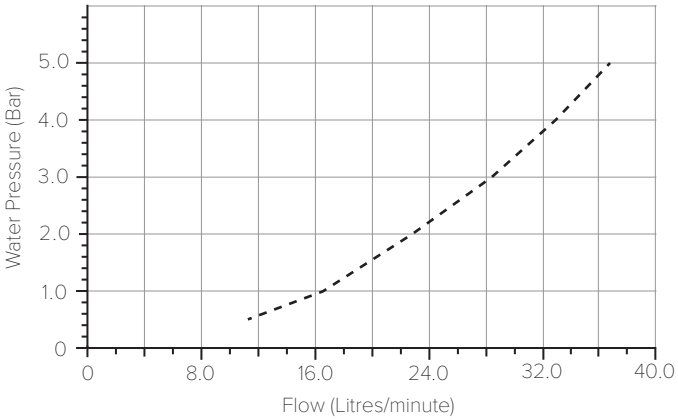






TYPICAL FLOW RATES (3005)

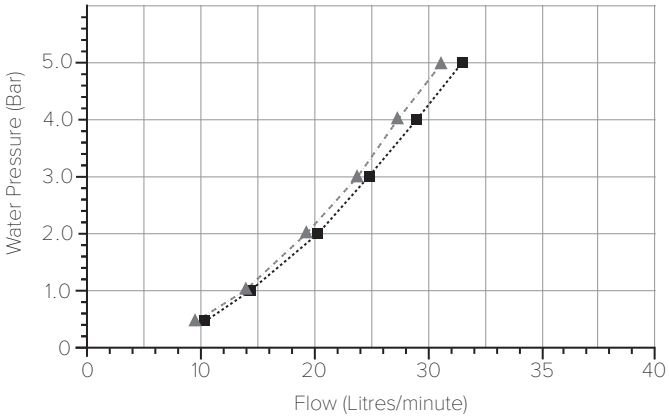
Flow rates shown are free-flowing and may vary subject to restrictions created by installation, pipework layout or application.



Water Pressure (Bar)	Outlet (Litres/minute)
0.5	11.4
1.0	16.3
2.0	22.8
3.0	28.2
4.0	32.9
5.0	36.9

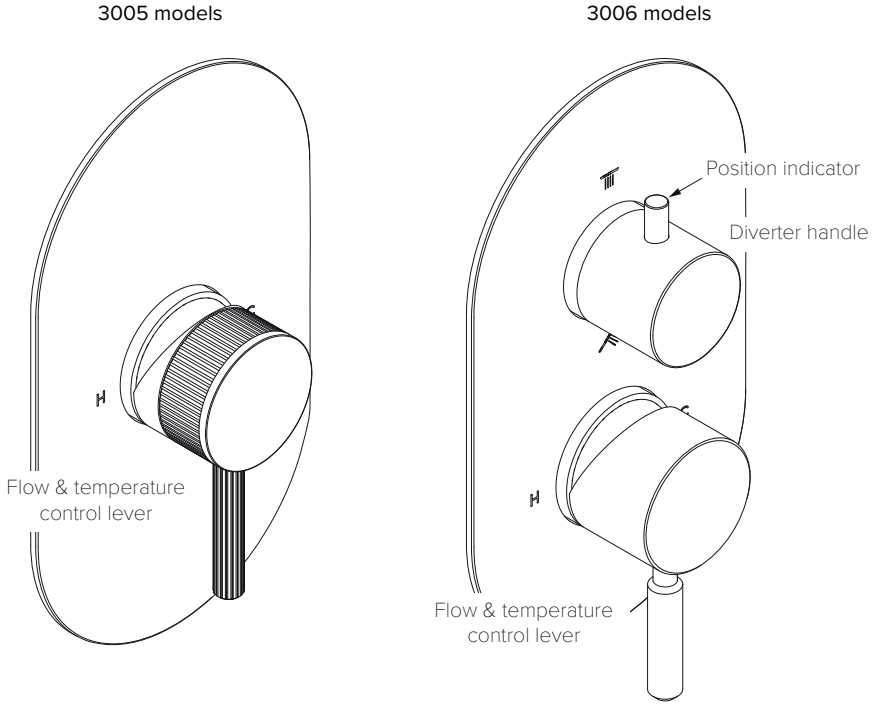
TYPICAL FLOW RATES (3006)

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



Water Pressure (Bar)	Shower head (Litres/minute) ■	Hand held shower (Litres/minute) ▲
0.5	10.1	9.7
1.0	14.2	14.0
2.0	20.1	19.3
3.0	24.8	23.9
4.0	28.9	27.4
5.0	32.4	31.2

OPERATING THE MIXER VALVE



Flow & Temperature control lever.
Water flow - Gently pull the lever forward to control the flow of water. Gently push the lever back to stop the flow of water.

Water temperature - Rotating the flow control lever to the left will increase water temperature, rotating it to the right will reduce water temperature.

Diverter handle (3006 models only).
Shower head - With the position indicator at the top, water will flow from the shower head. The position indicator will be a stem at the top of the handle or a smooth area in the textured finish.

Hand held shower - With the position indicator at the bottom, water will flow from the hand held shower.

NOTES

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