

CERALINE

Single Lever & Dual Control Bathroom Fittings

INSTALLATION INSTRUCTIONS

BC184AA – Basin Pillar Tap (Pair)

BC185AA – One Hole Mini Basin Mixer

BC186AA – One Hole Basin Mixer
with Clicker Waste

BC187AA – Bath Pillar Tap (Pair)

BC188AA – Two Hole Bath Filler

BC189AA – Two Hole Bath Shower Mixer

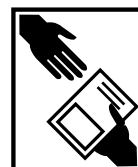
BC190AA – One Hole Bath Filler

BC191AA – One Hole Bath Shower Mixer

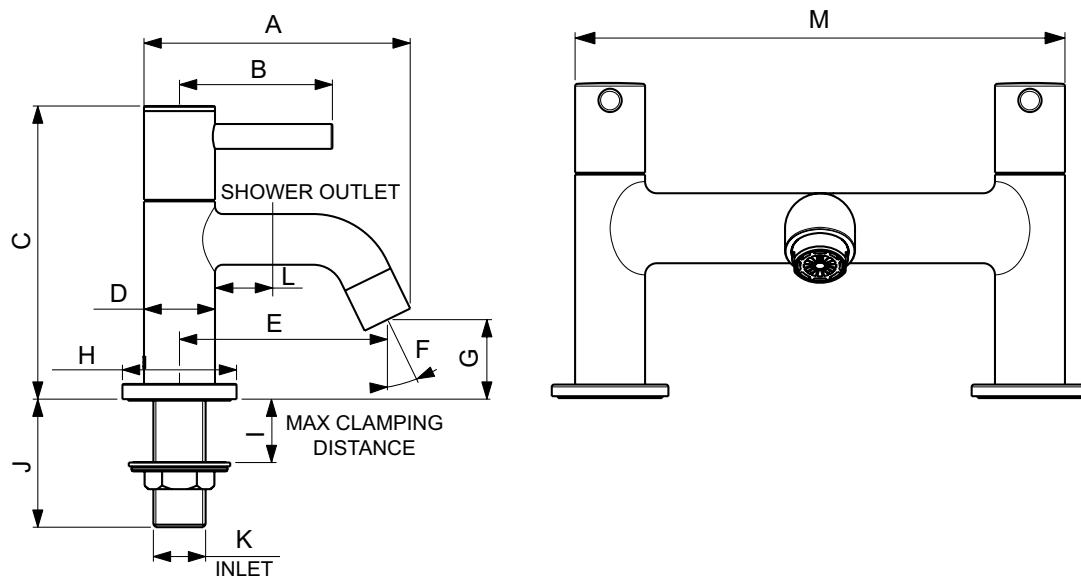


IMPORTANT
BEFORE CONNECTION, FLUSH WATER THROUGH PIPEWORK TO REMOVE
ALL DEBRIS ETC. WHICH COULD DAMAGE THE VALVE MECHANISM

INSTALLER: After installation please pass this instruction booklet to user



2 PRODUCT DIMENSIONS & INFORMATION



| SKU | BC184AA | BC185AA | BC186AA | BC187AA | BC188AA | BC189AA | BC190AA | BC191AA |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| Dim (mm) | | | | | | | | |
| A | 105 | 111 | 131 | 110 | 138 | 138 | 186 | 186 |
| B | 60 | 84 | 84 | 81 | 40 | 40 | 85 | 85 |
| C | 116 | 139 | 147 | 127 | 134 | 134 | 158 | 158 |
| D | Ø 28 | Ø42 | Ø42 | Ø34 | Ø30 | Ø30 | Ø47 | Ø47 |
| E | 82 | 80 | 100 | 82 | 114 | 114 | 154 | 154 |
| F | 26° | 40° | 40° | 24° | 40° | 40° | 40° | 40° |
| G | 27 | 68 | 76 | 29 | 56 | 56 | 68 | 68 |
| H | Ø45 | Ø50 | Ø50 | Ø51 | Ø50 | Ø50 | - | - |
| I | 30 | 30 | 30 | 30 | 40 | 40 | 40 | 40 |
| J | 51 | 350 | 350 | 51 | 49 | 49 | 350 | 350 |
| K | G1/2 | G3/8 | G3/8 | G3/4 | G3/4 | G3/4 | G1/2 | G1/2 |
| L | - | - | - | - | - | 60 | - | - |
| M | - | - | - | - | 180 | 180 | - | - |

| SKU | MIN. OPERATING PRESSURE (bar) | FLOW STRAIGHTENER FITTED | PCA 5L/min FITTED | INLET PIPE CONNECTION TYPE | FLEXIBLE TAILS |
|---------|-------------------------------|--------------------------|-------------------|----------------------------|----------------|
| BC184AA | 0.2 | ✓ | - | 15 mm | - |
| BC185AA | 0.2 | In the box | ✓ | 15 mm | ✓ |
| BC186AA | 0.2 | In the box | ✓ | 15 mm | ✓ |
| BC187AA | 0.5 | ✓ | - | 22 mm | - |
| BC188AA | 0.2 | ✓ | - | 22 mm | - |
| BC189AA | 0.2 | ✓ | - | 22 mm | - |
| BC190AA | 1.0 | ✓ | - | 15 mm | ✓ |
| BC191AA | 1.0 | ✓ | - | 15 mm | - |

Back Flow prevention

Hot & cold water supply pressures should be reasonably balanced, however, when installing mixers, check valves must be installed on hot & cold water supply to prevent the possibility of back flow under any conditions.

Inline service valves

Service valves should be fitted into hot & cold supply pipes feeding each product. Ideal service valves have a combination of features, including isolator, strainer & check valve.

The fittings covered by this installation and maintenance instruction should be installed in accordance with the water regulations published in 1999*, therefore Ideal Standard would strongly recommend that these fittings are installed by a professional installer

* A guide to the water Supply (Water Fittings Regulations 1999 and the Water Byelaws 2000, Scotland is published by WRAS (Water Regulations Advisory Scheme) Unit 13, Willow Road, Pen-y-Fan Industrial, Crumlin, Gwent, NP11 4EG.
ISBN 0-9539708-0-9

3 FIXATION

Installation

Flush water through the pipework before connecting the fittings.

Insert the fitting through the tap hole ensuring the O-ring seal or gasket is positioned above the tap platform and is seated evenly on its top surface.

Tighten the backnuts or sleeve nuts.
(Figure 1)

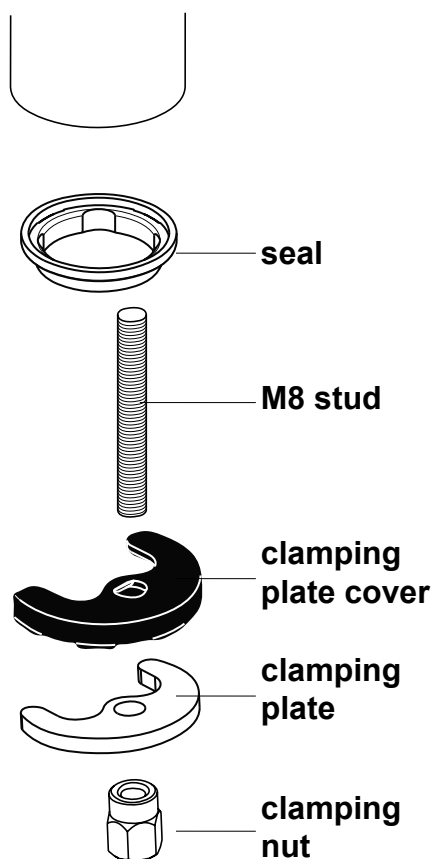


Figure 1

Figure 1
Tap hole details for S/L bath fillers BC190AA & BC191AA

The Ceraline bath fitting requires a bath supplied without tap holes. The installer will have to drill a 38mm diameter hole in the rim. Before this is done the following will have to be considered.

If located directly in line with the bath waste (plug) overflow may foul the under-parts of the fitting. If a shower screen is to be fitted it could foul the fitting.

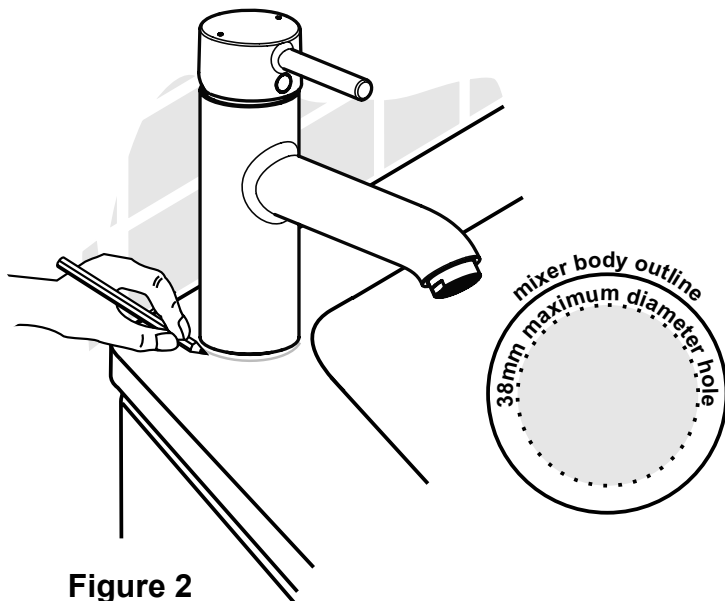


Figure 2

Before fitting, offer up the bath S/L in the intended location and check for free movement of the lever. Draw a pencil line around the base
(Figure 2)

In the Center of the outline, drill the 38mm hole.
(Figure 2)

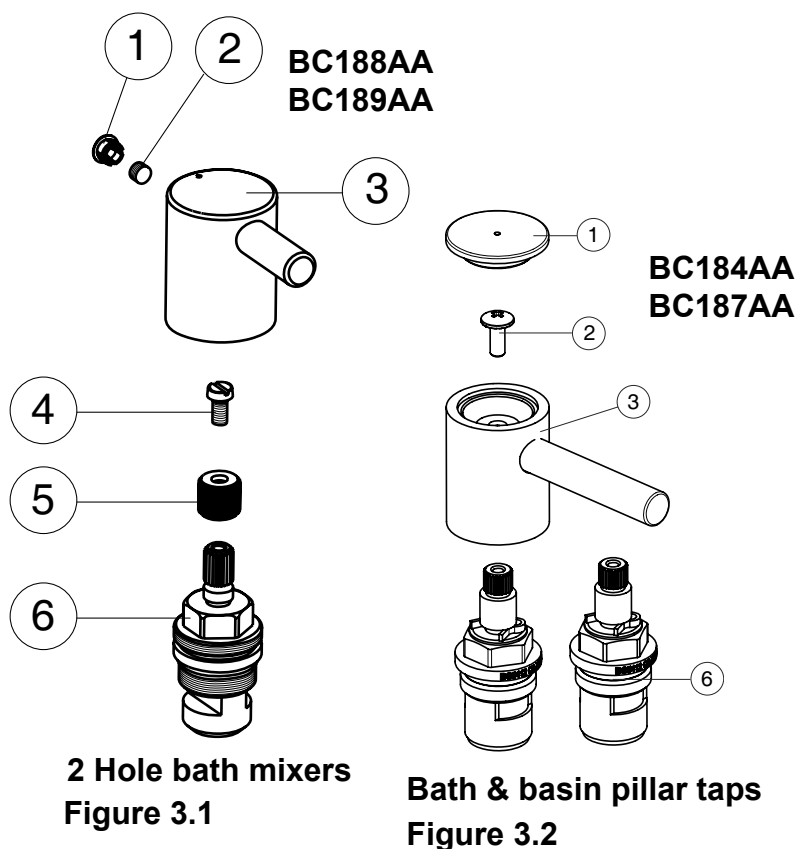
Place the seal in the groove on the underside of the fitting base.

Place the fitting concentrically in the new tap hole and ensure the seal is seated correctly on top of the bath. The plate and cover must be placed against the underneath surface of the bath tap deck. Tighten the sleeve fixation nuts until the fitting is secure.
(Figure 1)

4 HANDLE FIXATION & CARTRIDGE REPLACEMENT

Always turn off water supplies before replacing a cartridge

Quarter turn cartridge



The pillar taps and 2 hole bath fittings employ quarter turn cartridges. These are replaced as follows:

(Refer to Figure 3.1)

Remove handle by first removing screw hole cap (1) on the handle (3). Then unscrew grab screw (2). Pull off the handle (3). Unscrew cartridge screw (4) and pull off drive insert (5). Cartridge (6) can then be unscrewed. Replace in reverse order.

Single lever cartridge

Refer to Figure 4.1

Remove handle by first removing screw hole cap (3) on the handle (1). Then unscrew grab screw (2) and pull off handle body (1). Pull off shroud (4). Unscrew cartridge retaining nut (5) and lift out the cartridge (6). Replace in reverse order.

When fitting the new cartridge, care must be taken to ensure the plastic location pin on the cartridge base engages in the location hole inside the fitting body and not into one of the water inlet ports. When tightening the retaining nut which both locates and seals the cartridge, care must be taken not to over-tighten.

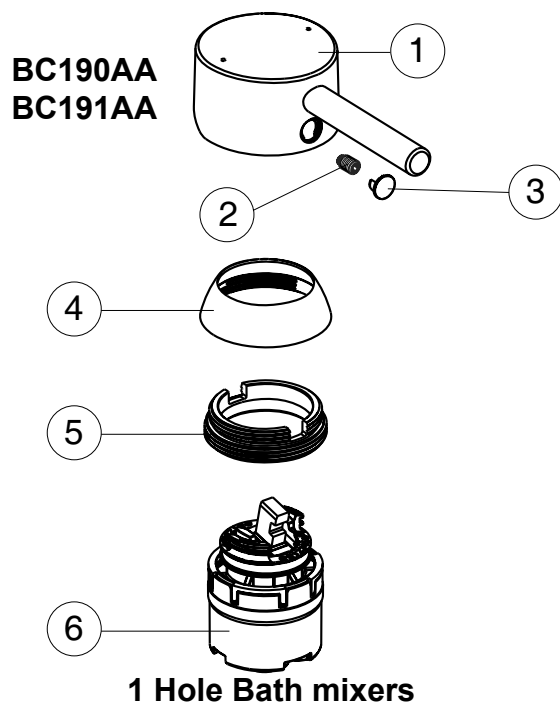
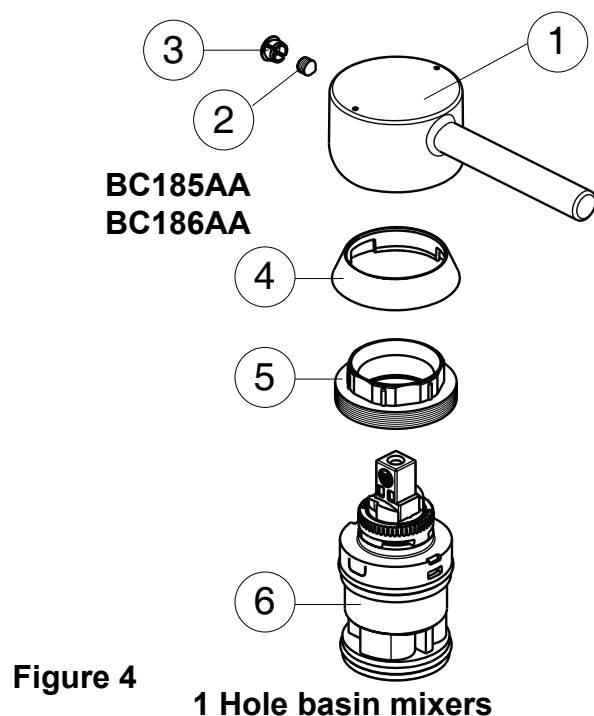


Figure 5 Single lever cartridge assembly

The ideal torque is 4 Nm. This is only a little more than hand tight - indeed it is possible to tighten the nut sufficiently wearing stout gloves. If over-tightened the cartridge will be stiff to operate and will have a limited life.

IMPORTANT NOTE:

For both basin mixers BC185AA & BC186AA the inlet hoses fit directly into the cartridge. To release the cartridge from the mixer body, both flexible hose must be unscrewed first.

5 SETTING THE BLEND CONTROL

The Ceraline single lever fittings employ multiport cartridges which have a blend control mechanism. This is a simple mechanical limit stop located under the single lever handle which restricts the angle to which the handle can be rotated towards the full hot position.

To set it, the hot water system should be on and the hot water up to normal working temperature. A thermometer will be required to measure the maximum blend temperature.

Remove the handle as previously described and pull off shroud. (Figure 4)

The blend control stop (round shaped plastic moulding - shown shaded) can then be removed. In its factory set position "0" - shown in Figure 6 - it does not limit the lever handle movement therefore the water temperature will be at its highest. Insert the limit stop in position 4.

Operate the fitting and measure the mixed water temperature at the maximum setting. If not high enough, reposition the stop in position 3 and check the temperature again. Repeat the process until the temperature at the maximum temperature position is satisfactory. Refit the shield and handle and check that the maximum blend temperature remains unchanged.

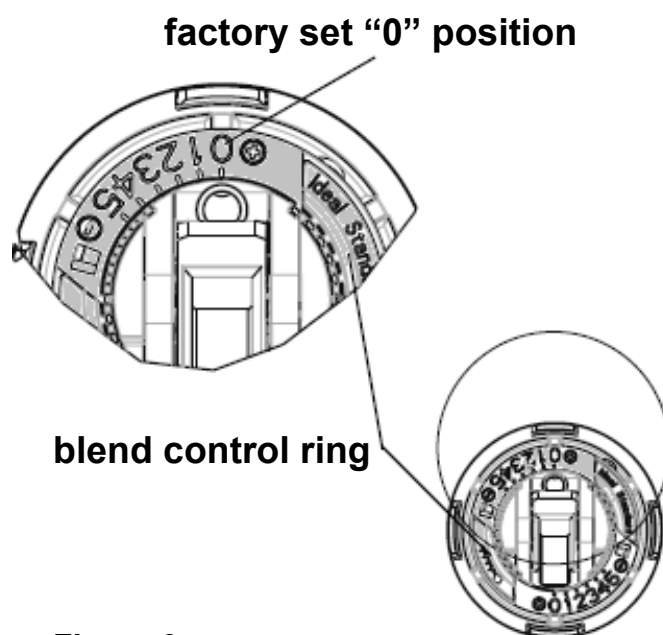
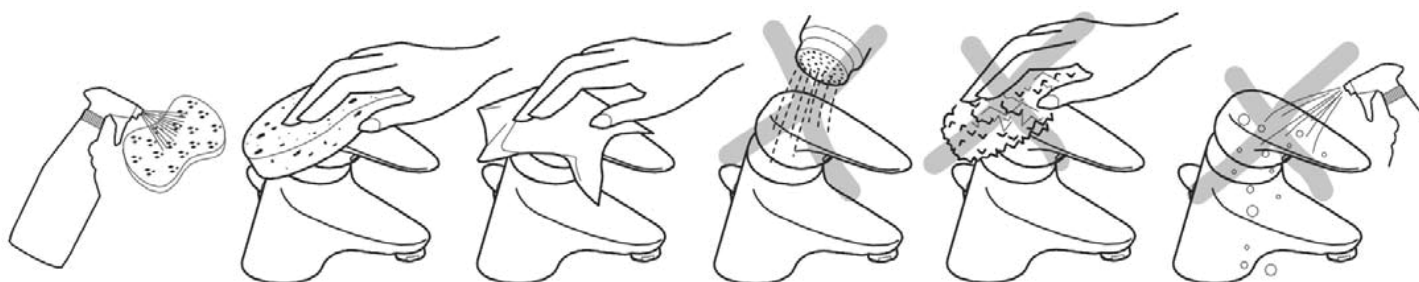


Figure 6
Setting the blend control

SAFETY FOR THE USER

The fittings are not thermostatically controlled and outlet temperatures depend on the position of the control handle, the hot and cold temperatures and pressures. If cold water supply fails for any reason, only hot water at its maximum temperature will be delivered. Before using the handspray check that the temperature of the mixed water is satisfactory. Young children, the elderly and infirm should be supervised when using the bath or handspray.

CLEANING CHROME SURFACES



When cleaning chromed products use only a mild detergent, rinse & wipe dry with a soft cloth. Ideally clean after each use to maintain appearance.

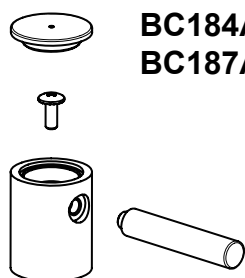


Never use abrasive, scouring powders or scrapers. Never use cleaning agents containing alcohol, ammonia, hydrochloric acid, sulphuric acid, nitric acid, phosphoric acid, organic solvents or disinfectants.

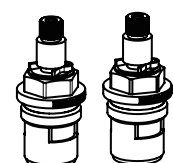
Use of incorrect cleaning products / methods may result in chrome damage which is not covered by the manufacturer's guarantee.

6 SPARE PARTS

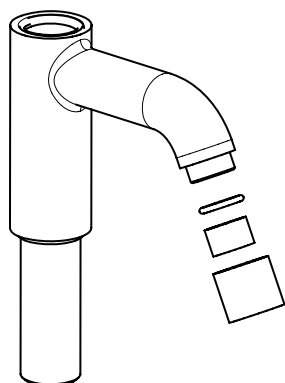
BATH & BASIN PILLAR TAPS



**BC184AA
BC187AA**

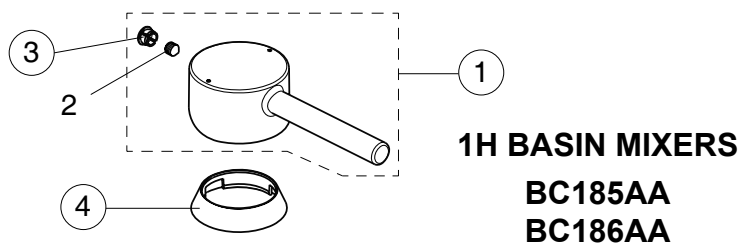


1 Flow Cartridges
supplied in pairs
(for left & right taps)

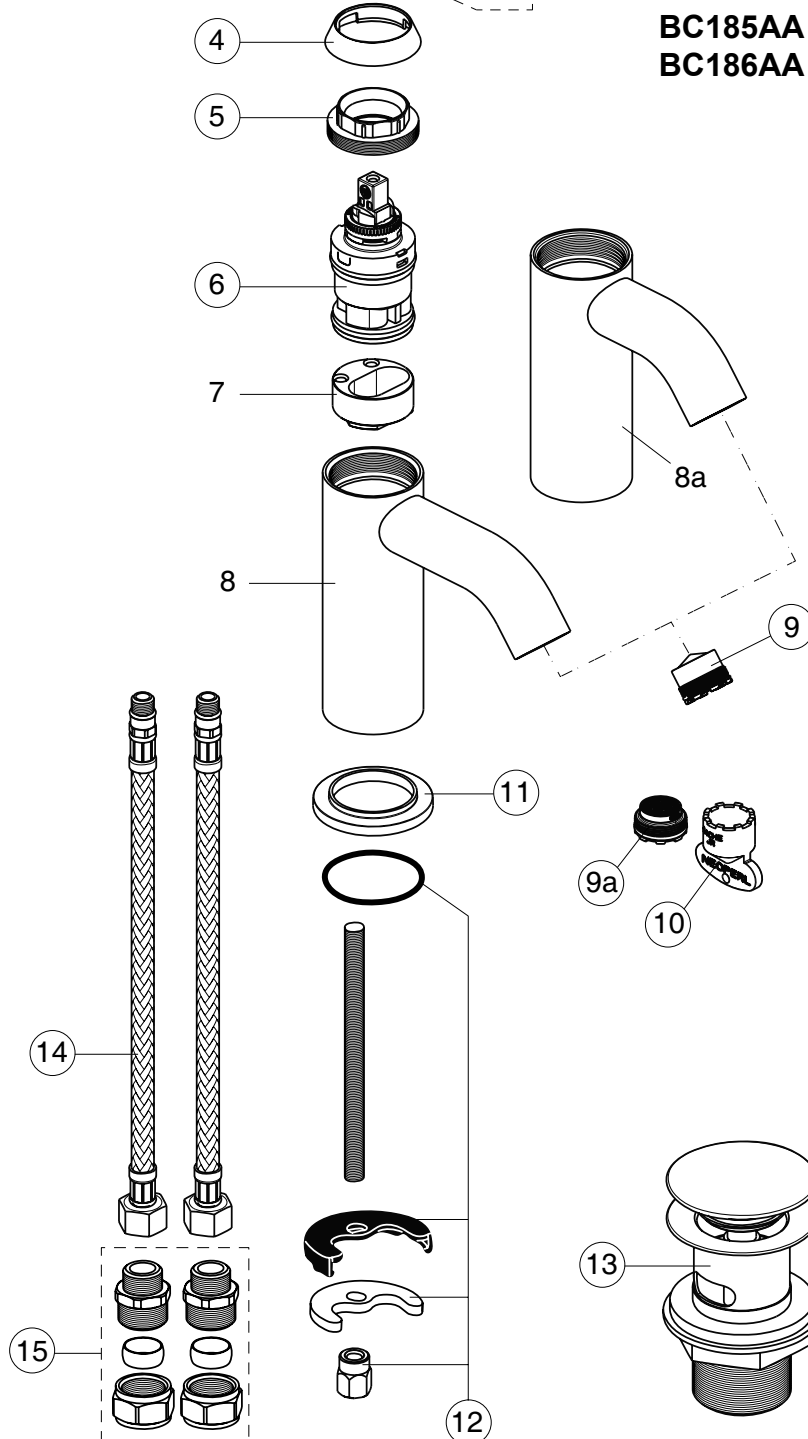


**Flow regulators with
basin pillar taps only.
Pair supplied in a bag
rated 6L/min. Fit if
required.**

**1. Flow Cartridges (bath & basin)
G1/2" B961534NU (pair)**



**1H BASIN MIXERS
BC185AA
BC186AA**

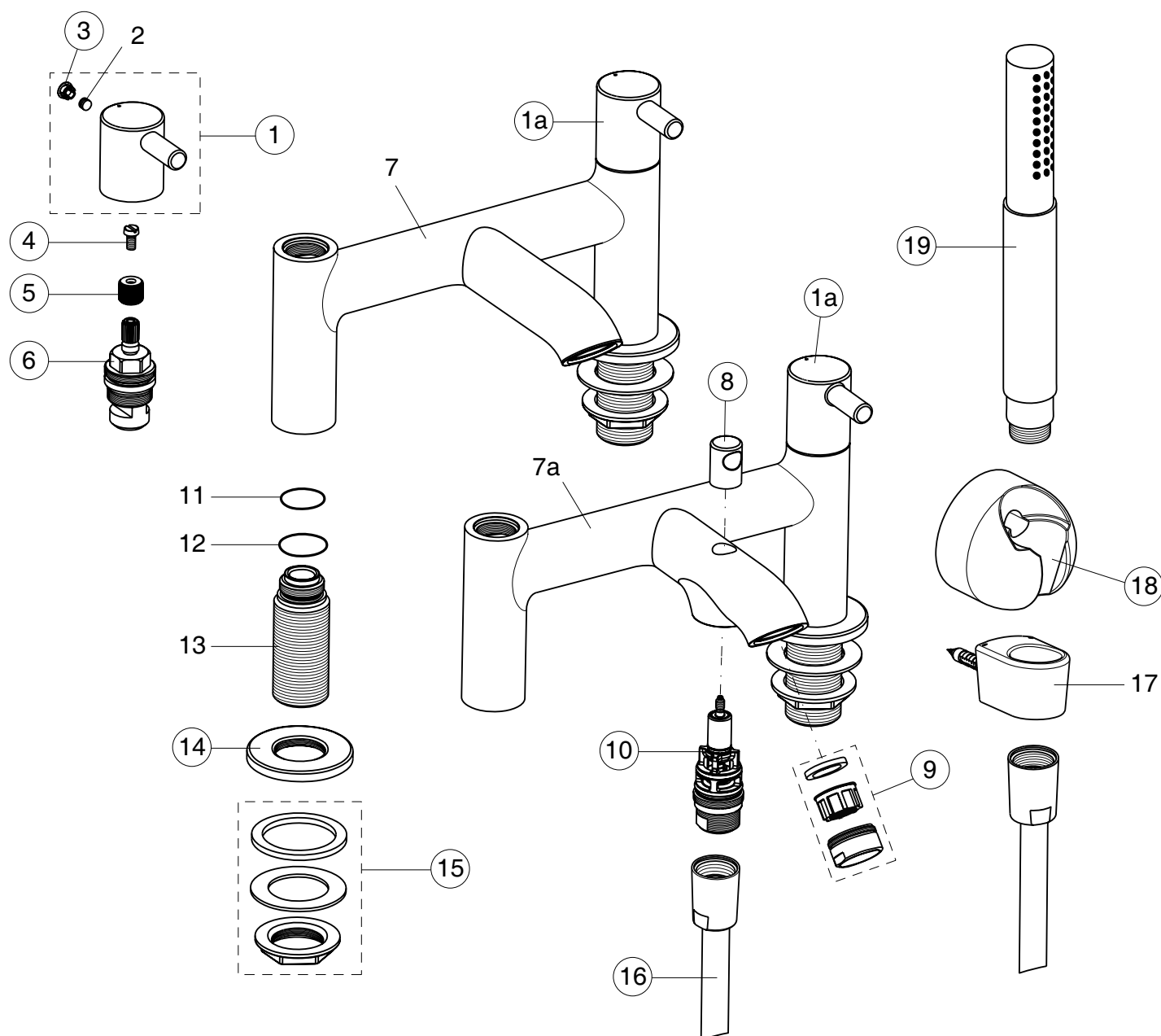


| Pos. | Signify | Spare parts-Nr. | Quantity | Pos. | Signify | Spare parts-Nr. | Quantity |
|-------|--------------------------------------|-----------------|----------|------|----------------------|-----------------|----------|
| 1 | Lever,w/logo-set | B961520AA | 1 Pcs. | 12 | Connecting set | B964702NU | 1 Set |
| 2 | Screw M5x6 | | 1 Pcs. | 13 | Click waste slotted | S8803AA | 1 Pcs. |
| 3 | Block cap | A961157AA | 1 Pcs. | 14 | Flex hose G3/8 /L445 | A963600NU | 1 Pcs. |
| 4 | Cap | B961473AA | 1 Pcs. | 15 | Connector G3/8,Ø15 | B960845NU | 1 Set |
| 5 | Screw M38x1.5 | B961474NU | 1 Pcs. | | | | |
| 6 | Cartridge Ø35mm | B961475NU | 1 Pcs. | | | | |
| 7 | Manifold | | 1 Pcs. | | | | |
| 8;8a | Body basin | | 1 Pcs. | | | | |
| 9 | Flowstraitener cache junior M21.5x1 | A960191NU | 1 Pcs. | | | | |
| 9a+10 | Neoperl M21.5x1-5 l/min cache junior | B960889NU | 1 Pcs. | | | | |
| 10 | Service key | B960654NU | 1 Pcs. | | | | |
| 11 | Rosette decorative | B960712AA | 1 Pcs. | | | | |

7 BATH FILLER AND BATH SHOWER MIXER

BC188AA

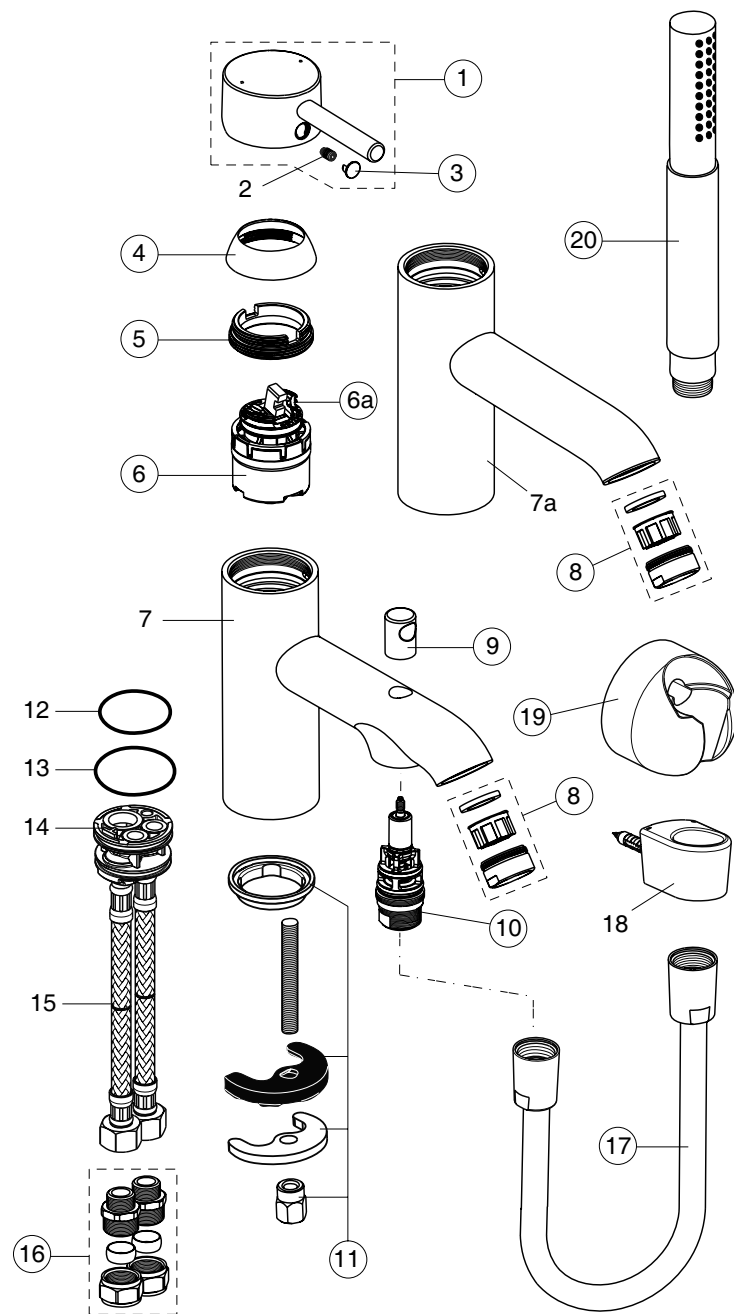
BC189AA



| Pos. | Signify | Spare parts-Nr. | Quantity | Pos. | Signify | Spare parts-Nr. | Quantity |
|------|-----------------------|-----------------|----------|------|----------------------------|-----------------|----------|
| 1 | Handle(Red)-set | B961523AA | 1 Pcs. | 13 | Connector G3/4 | | 2 Pcs. |
| 1a | Handle(Blue)-set | B961524AA | 1 Pcs. | 14 | Rosette | B961145AA | 1 Pcs. |
| 2 | Screw M5x6 | | 1 Pcs. | 15 | Connecting set | B960471NU | 1 Set |
| 3 | Block cap | A961157AA | 1 Pcs. | 16 | Flexible hose G1/2" /L1800 | A963173NU | 1 Pcs. |
| 4 | Screw M4x8 | B960223NU | 2 Pcs. | 17 | Shower hose bracket | | 1 Pcs. |
| 5 | Insert | B961326NU | 1 Pcs. | 18 | Wall bracket fixed | B9467AA | 1 Pcs. |
| 6 | Cartridge G1/2"-90°-R | H960104NU | 1 Pcs. | 19 | Handspray | A960333AA | 1 Pcs. |
| | Cartridge G1/2"-90°-L | H960136NU | 1 Pcs. | | | | |
| 7;7a | Body bath/shower | | 1 Pcs. | | | | |
| 8 | Pull knob | B960486AA | 1 Pcs. | | | | |
| 9 | Nozzle | A961625AA | 1 Pcs. | | | | |
| 10 | Diverter automatic | B960169AA | 1 Pcs. | | | | |
| 11 | O-Ring Ø18.2x1.7 | | 2 Pcs. | | | | |
| 12 | O-Ring Ø19x2.5 | | 2 Pcs. | | | | |

8 PARTS - BATH FILLER AND BATH SHOWER MIXER

BC190AA
BC191AA



| Pos. | Signify | Spare parts-Nr. | Quantity | Pos. | Signify | Spare parts-Nr. | Quantity |
|------|-----------------------|-----------------|----------|------|---------------------------|-----------------|----------|
| 1 | Lever, w/logo-set | B961521AA | 1 Pcs. | 14 | Manifold | | 1 Pcs. |
| 2 | Screw M5x8 | | 1 Pcs. | 15 | Flex hose G3/8/Ø10.5/L430 | | 1 Pcs. |
| 3 | Cap decorative | B960473AA | 1 Pcs. | 16 | Connector G3/8, Ø15 | B960845NU | 1 Set |
| 4 | Rosette M38x1.5 | B961373AA | 1 Pcs. | 17 | Flexible hose G1/2 /L1800 | A963173NU | 1 Pcs. |
| 5 | Screw M41x1.5/M38x1.5 | B961374NU | 1 Pcs. | 18 | Shower hose bracket | | 1 Pcs. |
| 6+14 | Cartridge Ø38mm | A861156NU* | 1 Pcs. | 19 | Wall bracket fixed | B9467AA | 1 Pcs. |
| 6a | Hot limit stop | A861181NU | 1 Pcs. | 20 | Handspray | A960333AA | 1 Pcs. |
| 7:7a | Body bath/shower | | 1 Pcs. | | | | |
| 8 | Nozzle | A961625AA | 1 Pcs. | | | | |
| 9 | Pull knob | B960486AA | 1 Pcs. | | | | |
| 10 | Diverter automatic | B960169AA | 1 Pcs. | | | | |
| 11 | Connecting set | A964520NU | 1 Set | | | | |
| 12 | O-Ring Ø34x2 | | 1 Pcs. | | | | |
| 13 | O-Ring Ø38x2.5 | | 1 Pcs. | | | | |

*Universal set (not all parts needed)

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