

DOMI SOLO

SINGLE LEVER BATHROOM FITTINGS



Installation Instruction

A7600 Domi Solo 1 Hole Basin Mixer

A7620 Domi Solo 1 Hole Bidet Mixer

A7690 Domi Solo 1 Hole Bath Filler

A7760 Domi Solo 1 Hole Bath/Shower Mixer

*Ideal
Standard*

INSTALLER:

After installation please pass this instruction booklet to the user

CONNECTIONS

Basin and Bidet fittings	10mm copper
Bath Fittings	15mm copper

Domi Solo fittings are unconventional in that they have the cold connection on the left when viewed facing the fitting

OPERATION

All Domi Solo single lever fittings incorporate the Multiport single lever cartridge. This incorporates the following features:

- Wide angle lever operation - 120° arc.
- Blend Control - a temperature safety device which can be set to limit the maximum mixed water temperature. This takes the form of an internal, five step, limit stop which can be adjusted by the installer to suit the consumer's requirements.

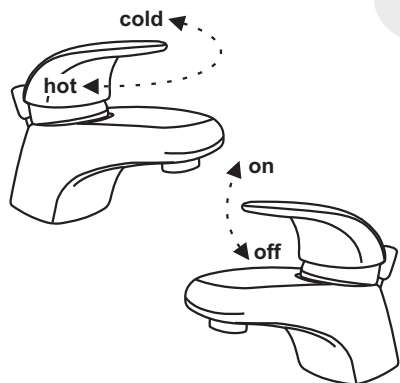


Figure 1 Illustrating lever function

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

WATER SUPPLIES

All Domi-Solo fittings are designed for installation on normal UK low pressure storage tank-fed systems or unvented high pressure systems. It is recommended that the hot and cold supply pressures are reasonably balanced for both low pressures and unvented high pressure systems (subject to limitations below) for optimum performance.

The basin and bidet fittings are designed to operate on supply pressures from 0.1 Bar minimum to 5.0 Bar maximum.

The Domi-Solo bath filler and bath/shower fittings should not be installed on pressures greater than 2.0 Bar. In order to achieve this on a high pressure system, (above 2.0 Bar) pressure reducing valves will need to be fitted onto the hot and cold water supplies.

BACKFLOW PROTECTION

The water regulations published in 1999* take a new approach to backflow in that they look at different categories of risk.

The installer must assess the risk from the various categories of fluid in adjacent appliances before determining the level of backflow protection required for a particular installation.

A separate leaflet entitled:

Supplementary guidance on back flow prevention when installing bath shower mixers E965049

which is packed with every bath shower mixer gives full details of this requirement.

*A guide to the Water Supply (Water Fittings) Regulations 1999 and the Water Byelaws 2000, Scotland is published by WRAS (Water Regulations Advisory Scheme) Fern Close, Pen-y-Fan Industrial Estate, Oakdale, Newport, NP11 3EH. ISBN 0-9539708-0-9

When installing the bath shower mixer with the rim mounted hose outlet it will be usual to use the restraining bracket to protect against the backsiphonage risk.

However, the pull-out hose arrangement will require the inlet supplies to be protected by double check valves (not supplied). Moreover, if it is possible for the pull-out handspray to enter an adjacent WC or Bidet, the hose must be restricted from reaching it by using the restraining bracket, possibly fitted under the bath or fitting a shorter hose.

AERATORS

All mixer fittings are supplied with a flow straightener fitted in the spout. When fitting on pressures in excess of 1.0 bar it is recommended that an aerator (not supplied) should be substituted. These are available from Ideal-Standard stockists:

Part Nos	
Basin / Bidet	A960931AA
Bath fittings	A960309AA

BASIN & BIDET INSTALLATION

- Flush water through the pipework to remove any debris before connecting the fittings to the pipework.
- Fix the fitting to the pottery as shown in Figure 1, and connect the waste system.
- Finally connect the fitting to the supplies.

BATH FILLER & BATH/SHOWER MIXER INSTALLATION

The Domi-Solo monoblock bath fittings require to be fitted to a bath without tap holes. This should be drilled as shown in the template supplied with the fitting. Before drilling the following should be considered:-

- *The fittings should not be fitted directly in line with the overflow of the bath as the pop-up waste and overflow assembly may foul the fitting.*
- *Select the tap position carefully if a shower screen is to be fitted.*

- *If the fitting is to be installed near to a wall ensure there is space to operate the lever.*

FITTING TO THE BATH RIM

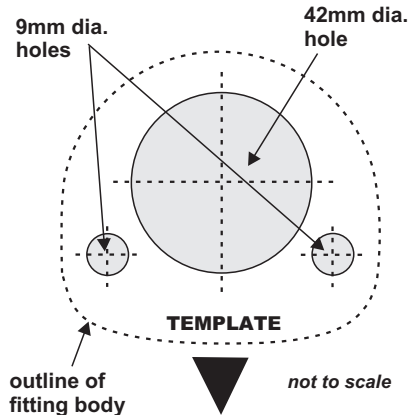


Figure 2
Template showing drillings required

- 1 Fix the template (supplied) to the bath rim with the arrow pointing into the bath in the required direction of the spout.
- 2 Drill the three holes in the positions as indicated on the template.
- 3 Flush water through the pipework to remove debris.
- 4 Insert the fitting into the holes and connect as in Figure 3.
- 5 Fit waste and overflow.
- 6 A 32mm diameter hole will need to be cut into the bath rim on site, for the handspray escutcheon. When deciding on the position for the hole ensure that it is clear of the bath frame and any other component. The shower hose must be able to move freely.
- 7 Connect the shower outlet connection (this is the short length of 15mm copper tube in the bottom of the fitting) to the pipework to supply the shower. This can be either a fixed overhead shower or a flexible hose and hand spray which withdraws from the bath rim.

- 8 With a flexible hose and hand spray kit, an escutcheon is provided and this can be assembled through a 32mm hole drilled in the bath rim.
- 9 Attach hexagon nut of shower hose to pipework. Place back nut onto hose with flange upwards. Pass tapered connection end of hose up through hole in bath. Place rubber washer on to hose. Insert tapered connection end of hose through escutcheon and locate escutcheon insert into escutcheon. Slide rubber washer up to the underside of the escutcheon and position the assembly into the hole in the bath. Fit back nut to the escutcheon and tighten so that hand spray points into the bath at 45°.

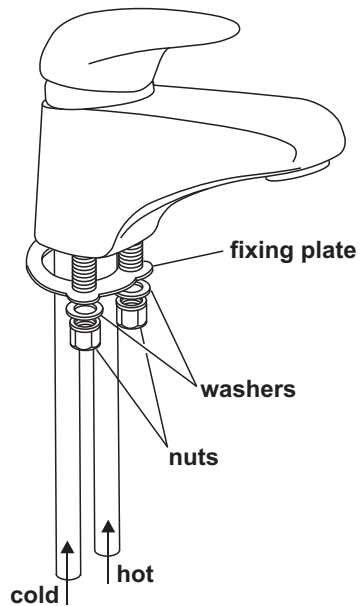


Figure 3 Bath filler fixation

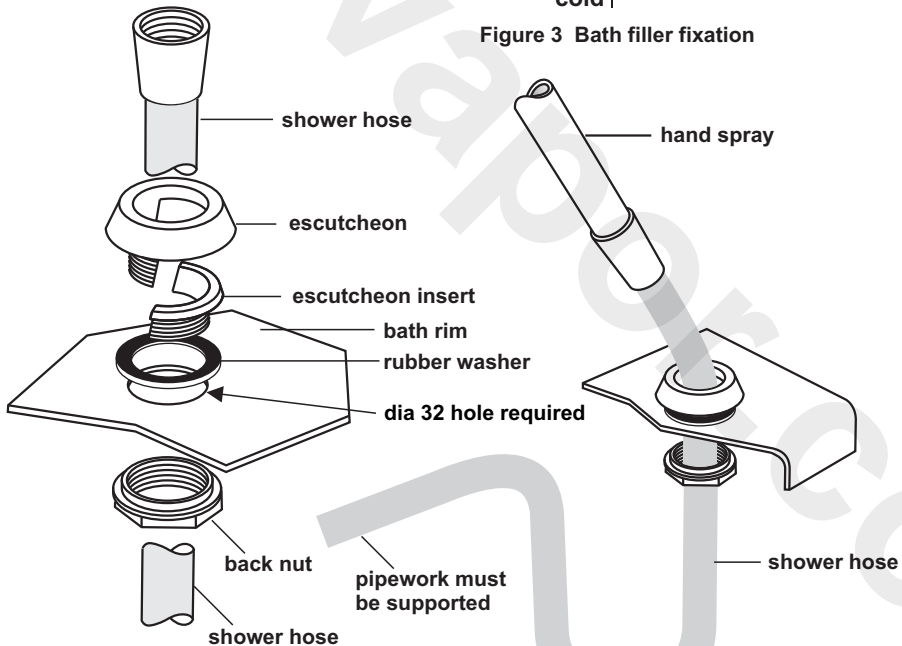


Figure 4 Bath/shower mixer pull out hose arrangement

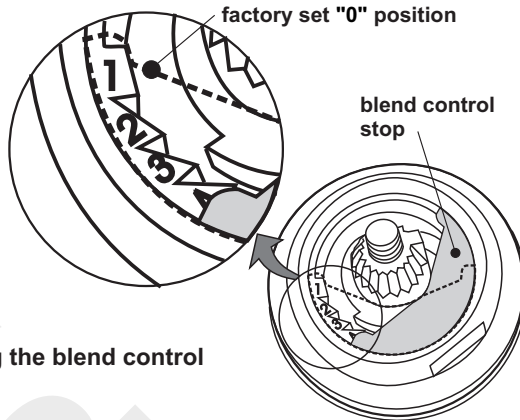


Figure 5 Setting the blend control

SET TEMPERATURE BLEND CONTROL

All Domi Solo 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. Proceed as follows:

Remove the handle as previously described and pull off the shroud. (Figure 6)

The blend control stop (white crescent shaped plastic moulding - shown shaded) can then be removed.

In its factory set position "0" - shown dotted in Figure 5 - it does not limit the lever handle

movement therefore the water temperature will be at its highest.

Insert the limit stop in position 4 - shown shaded in Figure 5.

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 shroud and handle and check that the maximum blend temperature remains satisfactory

Consideration should be given to the fact that the cold will be warmer in summer. This will cause the blend temperature, if set in winter, to be hotter in summer

CARTRIDGE REPLACEMENT

1. Shut off the hot and cold water supplies.
2. Lift off the metal lever handle by removing cap, nut (use a 10mm a/f box spanner) and washer. The lever handle can be removed by pulling upwards.
3. Remove escutcheon.
4. Remove cartridge retaining nut by turning anti-clockwise.
5. Lift out the cartridge.
6. When replacing the cartridge, ensure that the peg at the bottom of the cartridge mates with the recess in the body of the fitting and not in one of the inlet ports. To ensure the grease on the cartridge seals does not pick up any grit place the cartridge on a clean piece of paper.
7. Refit locking nut and tighten. 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.
7. Refit the lever handle. This is located correctly by the key on the cartridge spindle. Attach the washer and nut and tighten.

(DO NOT OVER TIGHTEN).

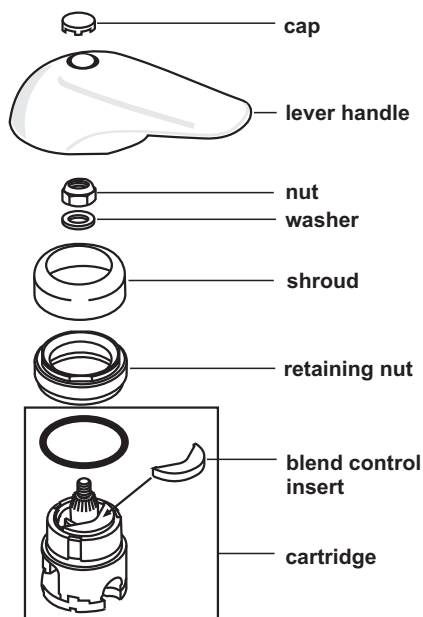


Figure 6 Lever handle and Cartridge assembly (Basin fitting illustrated)

MAINTENANCE

The unique ceramic disc cartridges are built using ultra-smooth ceramic discs. These are so hard that they always remain sealed together, polishing each other in use. Sand, sediment and other water borne matter cannot get between them or damage them. Even the hardest water has no effect and this means that the Domi Solo fittings should give many

years of efficient trouble free service without the drip and liming up problems associated with traditional valves.

However, in the unlikely event of a failure or any other problem it is a simple matter to exchange the cartridge. (Figure 6).

CLEANING

When cleaning the fittings always use soap based cleaners. Never use abrasive or scouring powders and never use cleaners containing alcohol, ammonia, nitric acid, phosphoric acid or disinfectants.

SAFETY FOR THE USER

Domi solo fittings are not thermostatically controlled and outlet temperatures depend on the position of the control handle, the hot and cold temperatures and pressures.

If the 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. A limit stop known as the Blend Control, located under the handle, can be set to add additional user protection - see page 5 for details.

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