matki
SHOWERING

MATKI THERMOSTATIC WALL SHOWER COLUMN EX100

INSTALLATION

PARTS LIST

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IMPORTANT

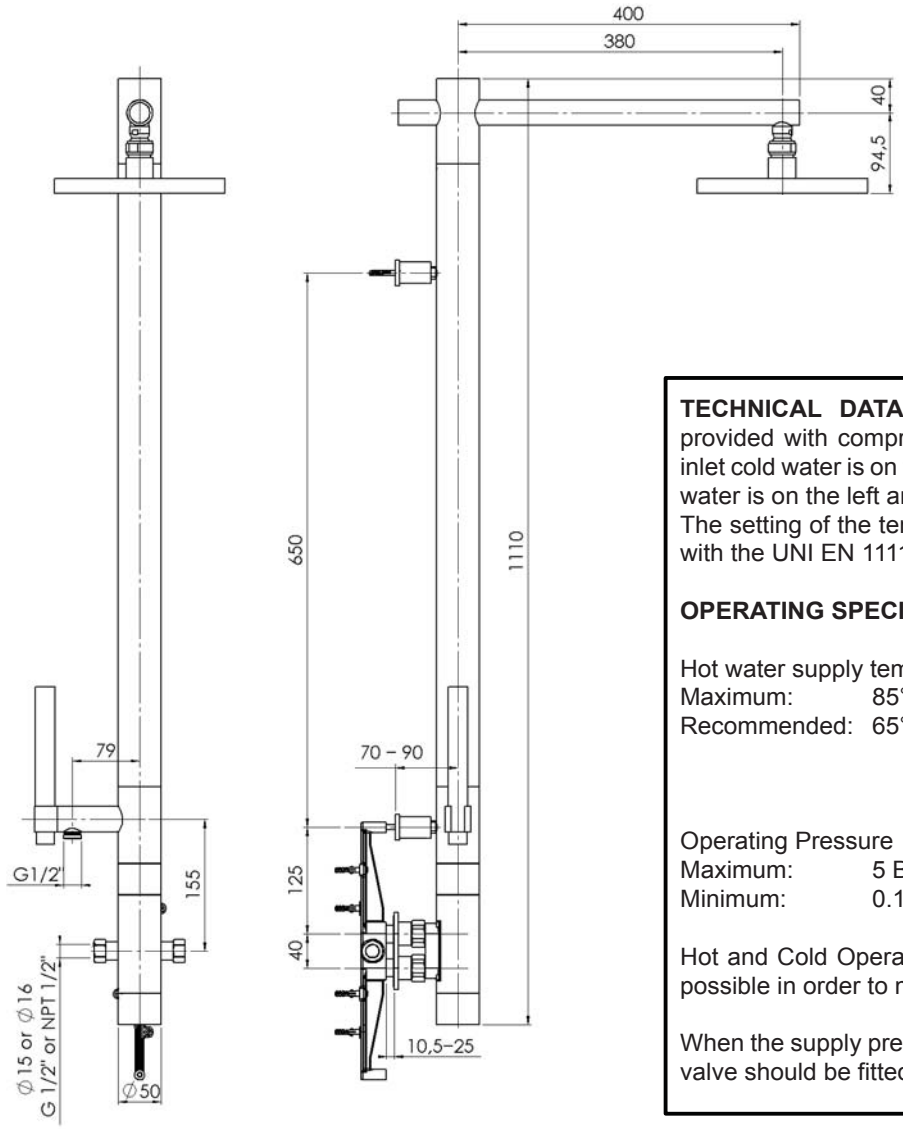
Before disposing of carton and/or commencing assembly, please check all the parts to ascertain that none are missing and they are all undamaged. No claim for missing/damaged parts will be accepted once the packing carton has been disposed of and/or assembly has commenced. In case of query contact your Stockist with details of model number and details of serial number.

PREPARATION: Please read complete installation instructions before fitting**.** Carefully remove assembly from carton. **CAUTION: POLISHED METAL AND CHROME CAN BE SCRATCHED.**

GENERAL CHARACTERISTICS: The EX100 is an exposed thermostatic shower mixer with a 2-way integrated diverter. There are two controls: the lower one controls the temperature of the water; the upper controls the flow. By rotating the temperature control anti clockwise, the temperature gradually decreases. Rotating the temperature control clockwise; temperature increases until the maximum temperature (44° C) is reached. Turn the flow control anti clockwise for the deluge showerhead and clockwise for the hand shower.

In order to simplify installation a plumbing manifold has been supplied. **Before tiling the manifold has to be fitted in the wall and connected to the water pipes**: cold water on the right hand side and hot water on the left hand side. Subject to correct installation, this mixer is suitable for most water heating systems.

DIMENSIONS



TECHNICAL DATA: Inlets are connected with two elbows provided with compression ring for Ø15 mm pipes or G ½". The inlet cold water is on the right identified by a blue paint. The inlet hot water is on the left and identified with a red paint.
The setting of the temperature has been performed in accordance with the UNI EN 1111 norm.

OPERATING SPECIFICATIONS

Hot water supply temperature
Maximum: 85°C
Recommended: 65°C

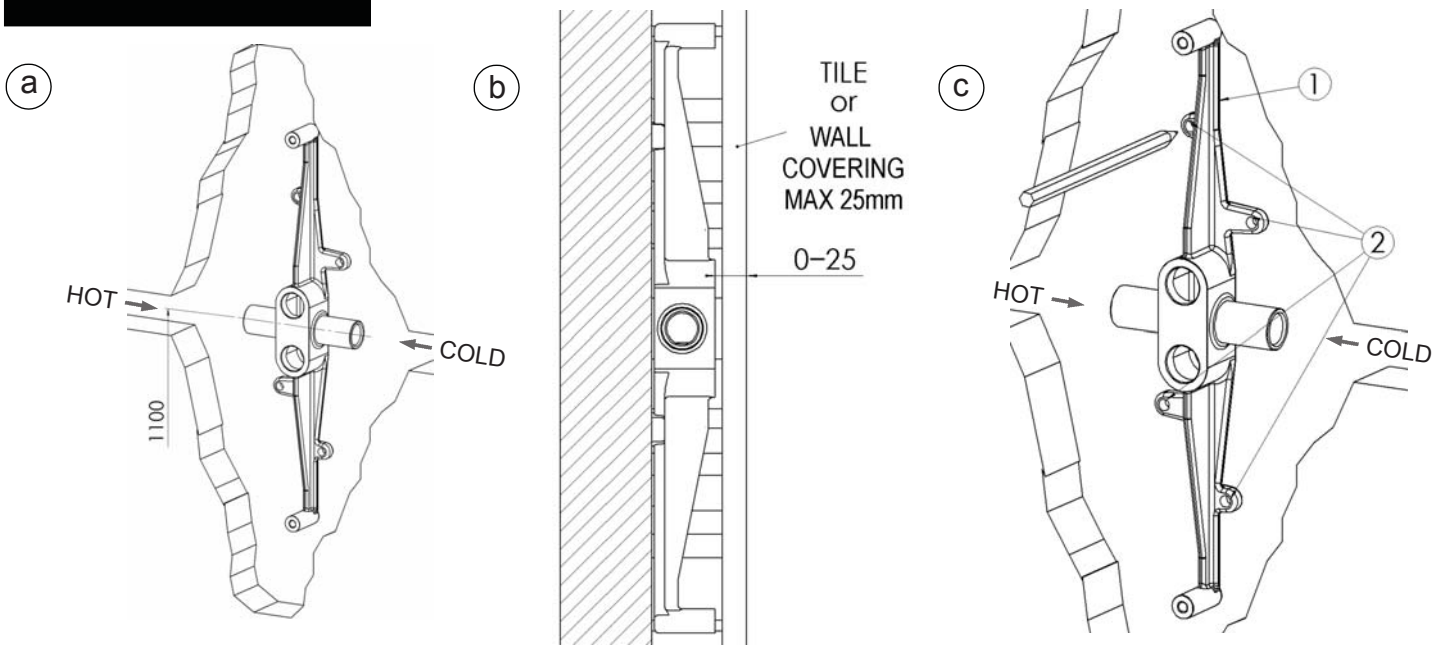
Operating Pressure
Maximum: 5 Bar
Minimum: 0.1 Bar

Hot and Cold Operating pressure should be kept as balanced as possible in order to maintain maximum efficiency.

When the supply pressure is higher than 5 Bar a pressure reducing valve should be fitted before the shower valve.

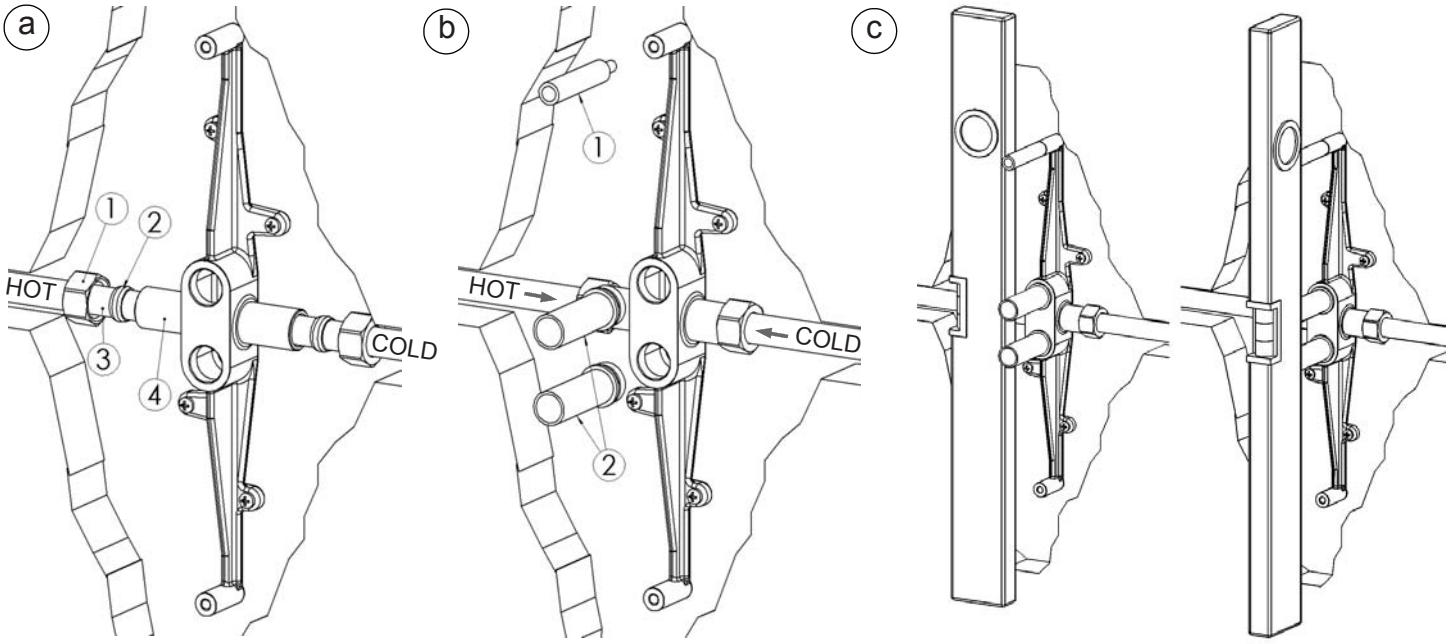
Dimensions are approximate due to nature of materials used

STAGE 1



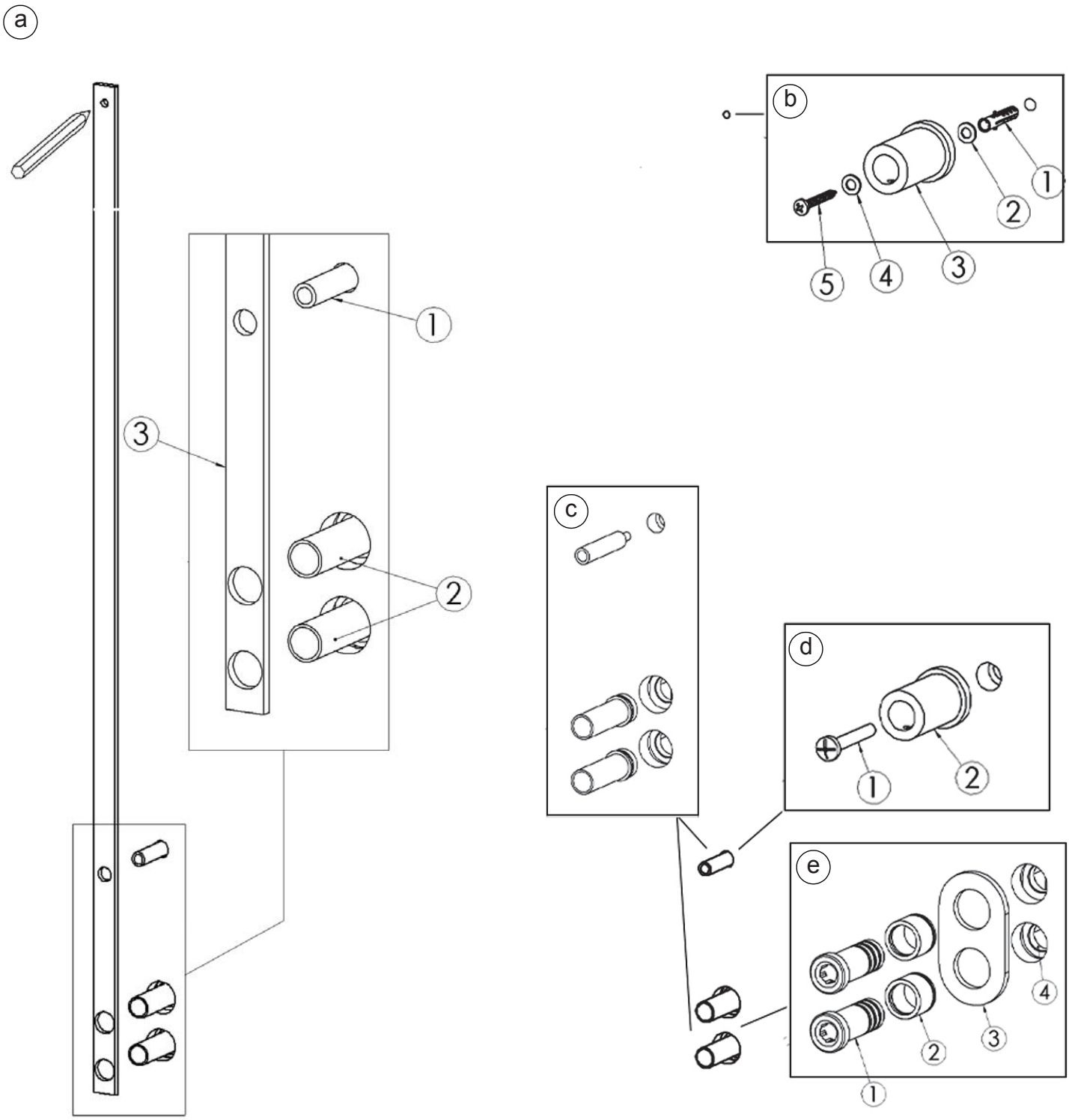
This stage is describing the positioning of the Manifold.
Determine the position of the plumbing manifold. We recommend a distance from the floor of about 1100 mm (a). The plumbing manifold can be placed in the wall from 0 up to 25 mm, referred to the finished tiling (b). Take into consideration the thickness of the tiling wall covering to establish the concealed position of the manifold. Consider the tiling you are using as the thickness can vary. Postion the manifold (c1) and mark the position of the 4 holes (c2). Drill 4 off 6mm fixing holes, insert wall plugs and secure the manifold with the 4 screws provided.

STAGE 2



This stage is describing the Manifold installation.
Insert the two nuts (a1) and the compression rings (a2) onto the copper pipe (a3); insert the copper pipe (a3) into the fixing bracket (a4); secure the nuts (a1) on the fixing bracket (a4). **The cold water inlet pipe must be on the right hand side and the hot water inlet pipe must be on the left hand side.**
Fit the shroud (b1) to protect the M6 thread; fit the two shrouds (b2) to protect the G1/2" threads. Use either teflon or hemp for tightness and allow the testing of the system before completing the installation of the shower column.
Check for perfect alignment of the plumbing manifold (c). **An incorrect alignment of the manifold will lead to non alignment of the shower column.** Complete tiling/wall cover**, tile as close as possible to the protective shrouds.**

STAGE 3

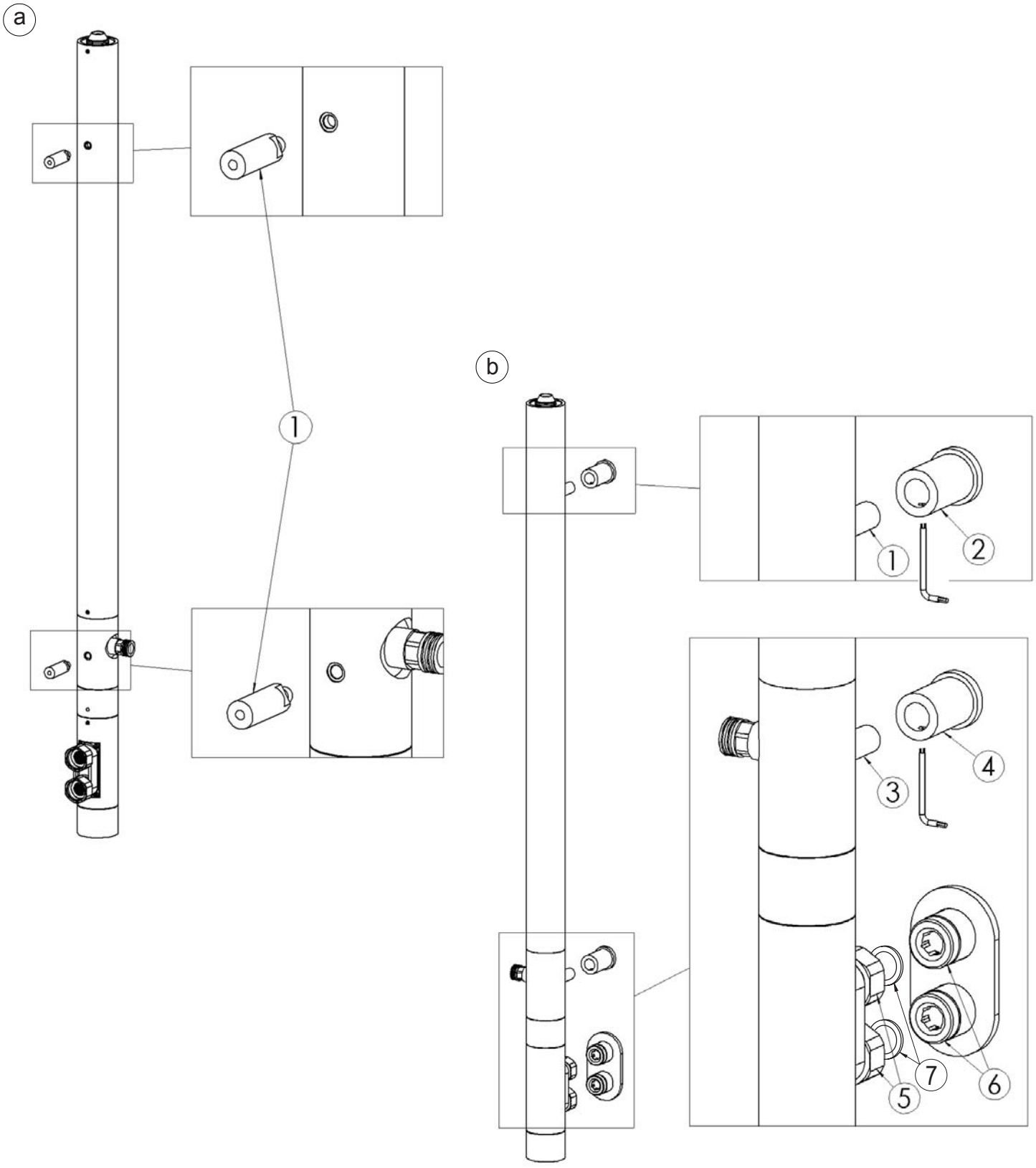


This stage is describing the marking and fixing of the wall support.
Insert template (a3) on to pipes (a1) and (a2). Mark position of fixing hole and drill the 6mm hole.

Insert the wall plug (b1) into the hole, then add washer (b4) onto the screw (b5); place the screw (b5) into the wall support (b3); insert the round washer (b2) onto the screw (b5); fix the assembly **securely** to the wall. Position the wall support with the grub screw facing down. Remove the three protective shrouds (c). Insert the screw M6x40 (d1) into the wall support (d2) and secure it to the manifold. Position the wall support with the grub screw facing down.

Measure the connections (e1); and, if necessary, shorten them by cutting with a hacksaw using the pre-sized references; add the trims (e2) onto the connections (e1); place the plate (e3) onto the connections (e2); using a 12mm Allen key secure the threaded connections (e1) onto the manifold, making a waterproof joint using PTFE or hemp.

STAGE 4

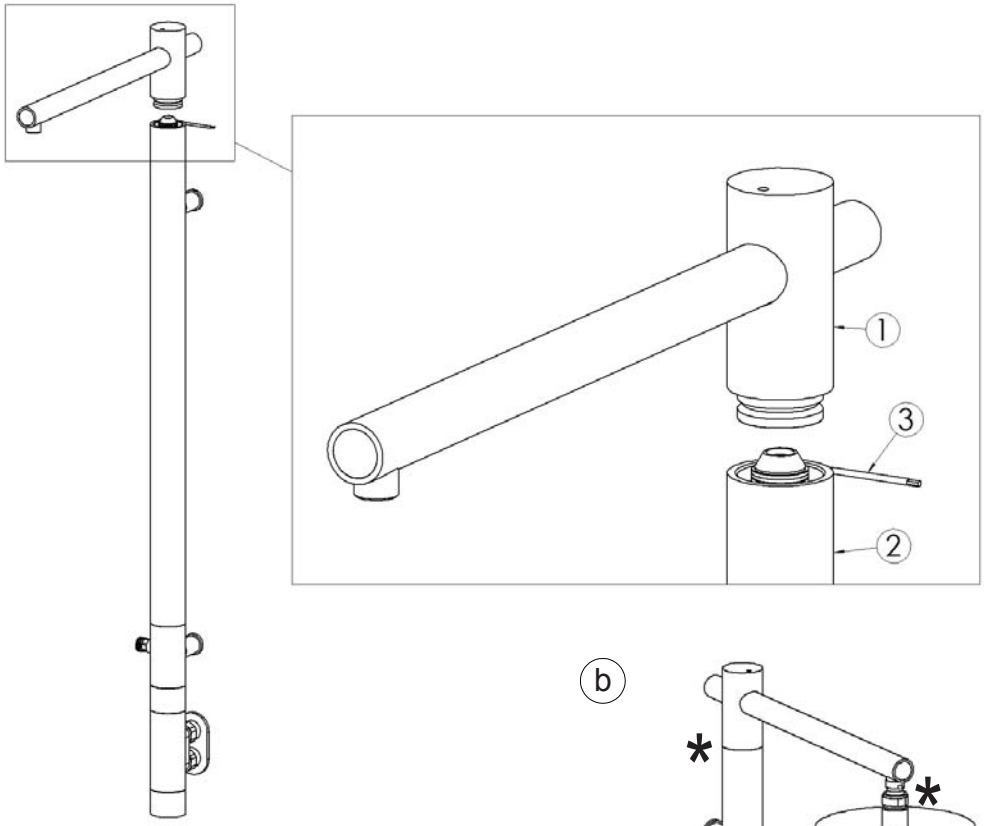


This stage is describing fitting the column to the Wall.
Secure the stands (a1) into the back part of the shower column, taking care not to damage the chromed surface.

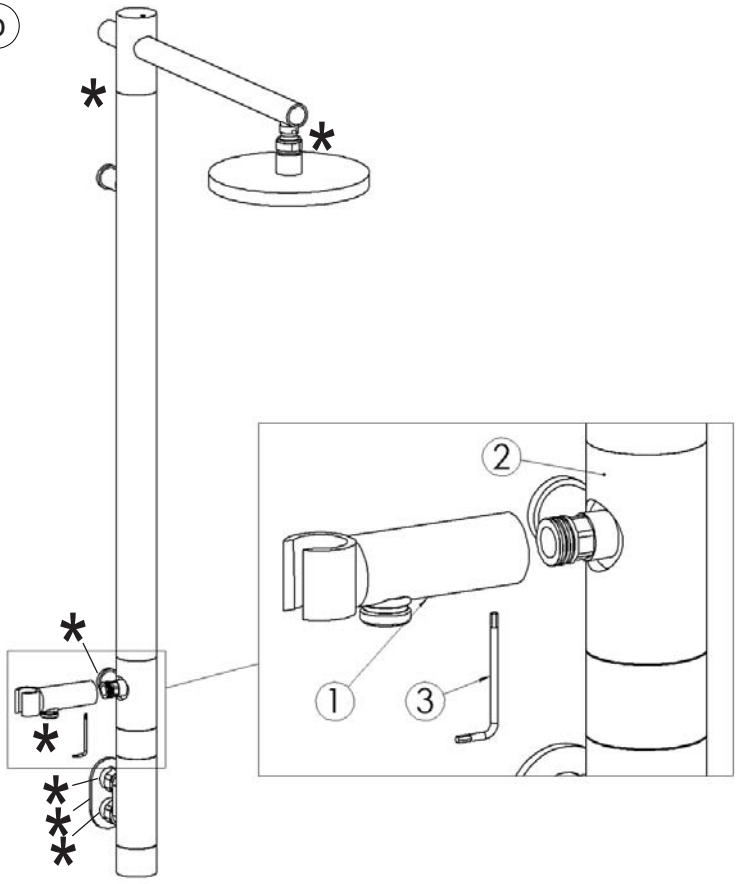
Insert the stands (b1-3) as shown (b2-4) secure the two nuts (b5) onto the connectors (b6) with a 30mm spanner making sure sealing washers (b7) are in place.
Using the supplied 2,5mm Allen key, secure the two grub screws (b2,4).

STAGE 5

a



b



This stage is describing the fitting of the Shower Arm and Shower heads.

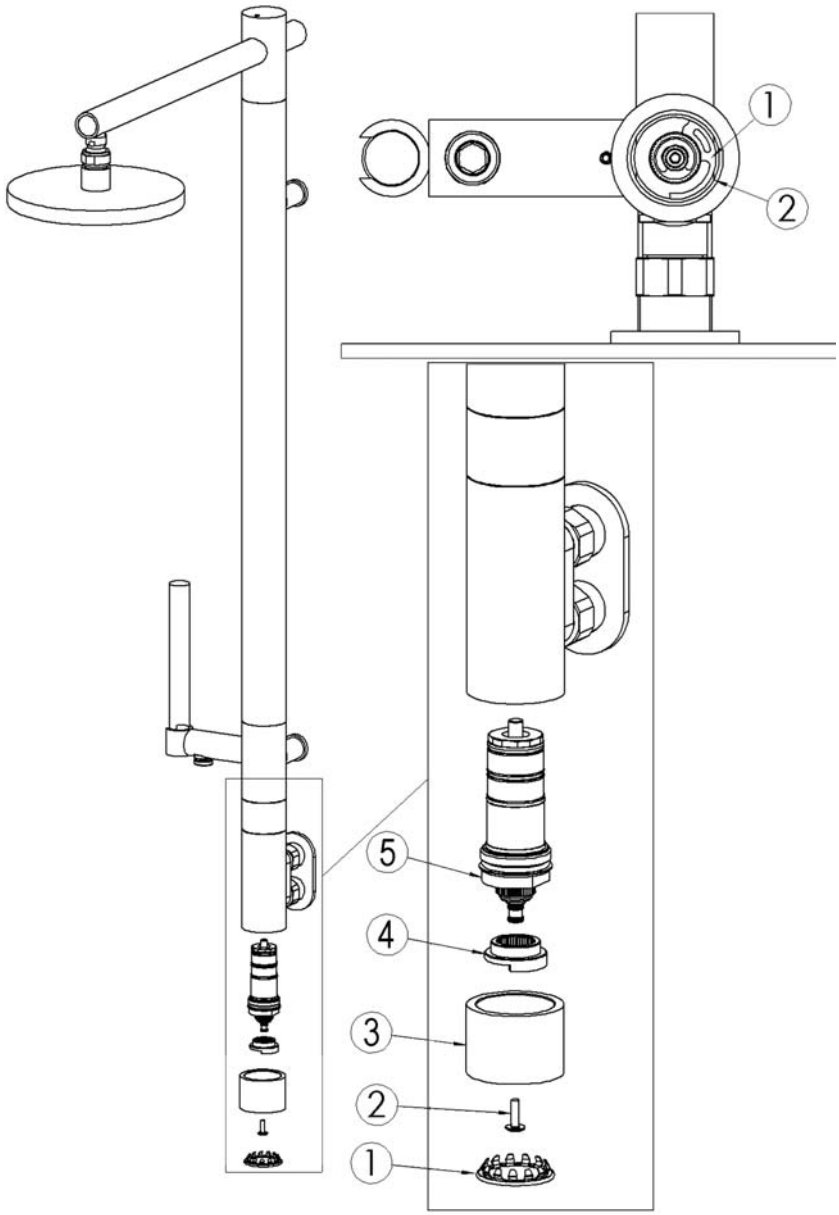
Insert the shower arm (a1) into the column (a2) taking care not to damage the gaskets in the upper part of the column, secure the back grub screw using the 2,5mm Allen key supplied.

Insert the hand shower holder (b1) into the connection on the shower column (b2); fix the grub screw with the 2,5mm Allen key (b3). Fit the Shower head onto the shower arm and the flexible hose and hand shower onto the handset holder. Check all the connections marked * for leaks, tighten as required.

MAINTENANCE

CLEANING OF THE SHOWER COLUMN
After using the shower column, wipe with a clean soft damp cloth. **DO NOT USE corrosive or abrasive cleansing or detergent containing alcohol, polish, acids or corrosive chemical components.**
Matki PLC have a policy of continuous improvement and reserves the right to change specification without notice.

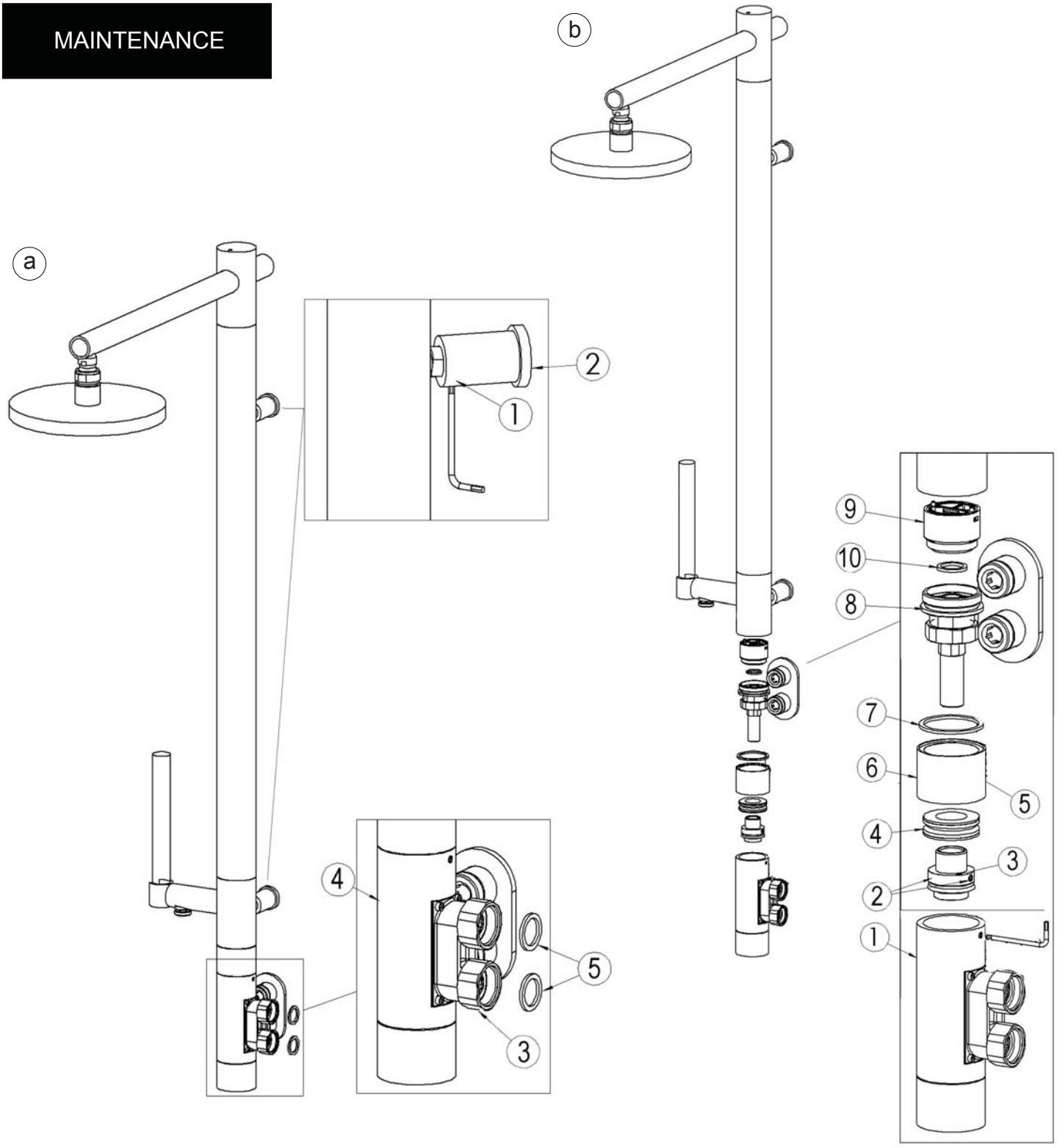
GUARANTEE- This mixer comes complete with a full 5-year guarantee. The guarantee does not cover faults or damages caused by incorrect installation and/or maintenance, ordinary wear and tear, water composition etc. i.e. incorrect installation, inversion of pipes; pressures or temperatures exceeding specified limits; tampering or Incorrect maintenance; Foreign bodies and/or limescale build up; Use of improper cleaning products.
This shower is covered for five years, from date of installation. See also separate guarantee card.



REPLACEMENT – CLEANING OF THE THERMOSTATIC CARTRIDGE
Isolate both cold and hot inlets. With a flat screw driver carefully remove the push in cap (1) from the temperature control (3) Remove the screw (2) and remove the temperature control (3). Remove the temperature stop ring (4), unscrew the thermostatic cartridge (5) by using a 30mm spanner.

Wash filters under running water and leave to soak in vinegar or de-scaling agent if necessary. Before re-assembling cartridge clean its housing with wet cloth and grease “O” rings on cartridge with silicon based grease. Fit the new thermostatic cartridge (5), and the stop ring (4) as shown

MAINTENANCE



DIVERTER CARTRIDGE REPLACEMENT

Isolate both cold and hot inlets. Using the supplied 2,5mm Allen Key, partially unscrew the 2 screws (a1). **Carefully** unscrew the 2 nuts (a3) by using a 30mm spanner. Rotate the thermostatic part (a4) until the connections are pointing out; be careful not to loose the 2 washers (a5).

Using the supplied 2,5mm Allen Key, unscrew the grub screw (b1) on the thermostat. Push the thermostat downwards (b1). Using the 2,5mm Allen Key, unscrew the 2 grub screws (b2) you find on the thermostat (b3); remove the element (b3); remove the part (b4); using the 2,5mm Allen Key, unscrew the grub screw (b5) placed on the back side of the control (b6); remove the flow control (b6), careful not to loose the Teflon ring (b7). Unscrew the diverter flange (b8) using a 30mm spanner, remove the diverter cartridge (b9) from its position; take care not to loose the Teflon ring (b10).

Before re-assembling the new diverter cartridge, clean and grease the lower part of the cartridge with silicon based grease. Assemble the diverter cartridge placing the two reference pivots into their correct positions. To re-assemble, reverse these instructions.