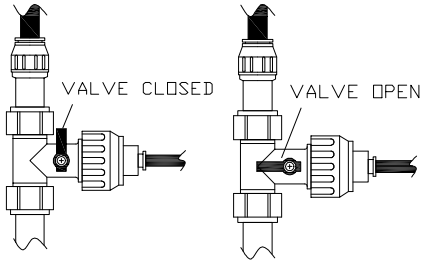
Stage 3 – setting up the filtered water flow rate:



Turn your filter tap on fully so filtered water runs through it. Note: when the filter is new it will take a moment to push any air though the system, so water may not appear instantly. You may notice some black discoloration in the water at this point, this is loose carbon, it is normal and harmless and will pass with further flushing. We suggest flushing apx. 20 litres through the filter when new.

The filtered drinking water system performs at a maximum of 2-3 L / min depending upon the quality of your water.
Turn the blue lever on the three way valve (V) to adjust the flow of filtered water to the appropriate flow rate, this can be checked using a kitchen measuring jug for example 1 litre should take 20-30 seconds.

After installation:

Once you have visually checked the installation of the new tap and all connections, ensure that all other fittings are closed except the new tap which should be left open.

Turn on your water heating system and ensure that your mains stopcock is open.

Check the function of flow and function of hot, cold, filtered and mixed water.

Turn off the tap and check carefully for any leaks around all connections on the fitting and adjoining plumbing. If possible return to the installation after a longer period to double check for slower leaks. If pressure testing equipment is available check the installation to the maximum recommended pressure.

Clean the tap to remove any marks created during installation as instructed then place a bag over the product to protect the tap until it is ready for use.

The installation should be periodically checked for damage, if the property is left unattended for a prolonged period we recommend isolating water supplies.

Using the tap:

Push the right side handle backwards for filtered water, forwards for unfiltered water.

For best results when using the filtered water always run the tap for a few moments to flush away any standing water. The longer the filter has been unused the longer the system will need to be flushed. Running the filtered tap will also make the water cooler for drinking.

When comparing the taste of filtered and unfiltered water always taste the filtered water first.

The dual stage filter is designed to improve the taste, clarity and odour of drinking water, it will not effect the water hardness (limescale) qualities.

Depending upon the quality of the incoming water source the blue lever on isolation valve (U) should be adjusted. The worse the quality of the incoming water the slower the flow rate of filtered water should be set in comparison with the suggested optimum rate.

Each filter cartridge has a maximum 6 month lifespan. Complete and return the included registration card if you wish to take advantage of our free postal reminder card service.

TSA1 – Traditional Filter Spa Monobloc

PLEASE LEAVE THESE INSTRUCTIONS FOR YOUR CUSTOMER. FOR REPLACEMENT PARTS & TECHNICAL ADVISE CALL 0870 789 5108

5 Year warranty Terms and Conditions:

In the unlikely event that you should experience any defect in the materials or workmanship of your new Leisure mixer within FIVE years of purchase, the purchaser's sole remedy shall be the replacement (at the manufacturer's discretion) of all or any part of the product that is defective. All working parts and valves are guaranteed for a period of TWO years from purchase. Decorative surface finishes and O-rings are guaranteed for ONE year from the date of purchase provided that our advice concerning care has been observed and no scouring agents have been used.
This is provided that the mixer has been used for normal domestic purposes in the UK or Eire and that the care, installation and maintenance instructions have been observed. The warranty extends to the original purchaser only. You should retain a copy of your dated invoice as proof of purchase to validate any claims under this guarantee.

Marks, scuffs and scratches caused by improper installation or accidental damage are not covered by this guarantee. Neither are shade variations or any damage or defect caused by incorrect installation or abuse of the fitting.
As we are continuously improving and developing our range of products, finishes & colours, in the event of a valid claim, we may not be able to provide an identical replacement for the defective product throughout the guarantee period. Where an identical product is no longer available, we will supply the nearest equivalent from our then current product range. In assessing your claim, we must be given the opportunity to inspect the product as installed prior to removal. Any product returns must be packaged as received and complete.

No other warranties, express or implied, are made, including merchantability or fitness for a particular purpose. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use or inability to use this product, or for any special, indirect, incidental or consequential damages. No liability is accepted for consequential damage to other household fixtures, fittings or furnishings arising from this claim, even if attached to the product. No installer, dealer, agent or employee of Aga Rangemaster Limited has the authority to modify the obligations or limitations of this warranty.

Care Instructions for your Kitchen Sink Mixer:

To maintain the appearance of this tap, ensure that it is regularly cleaned only using a clean, soft damp cloth. A solution of warm water and a mild liquid detergent may be used where necessary, and then the fitting rinsed thoroughly and wiped dry. Any other cleaning action will invalidate your warranty.

Abrasive cleaners, scouring cleaners and acidic cleaners must not be used under any circumstances. Avoid contact with all solvents (including chlorinated solvents, ketones or acetones as these may result in surface deterioration or etching). Also avoid contact with any harsh household chemicals such as oven cleaners, drain cleaners, rust removers, paint strippers, bar keepers friend or Brasso.

Where the tap has a removable aerator on the spout exit it can be removed and cleaned periodically to maintain optimum flow performance.

Important Technical Data:

Min / Max Hot operating pressure: 0.3 / 5.5 bar* Min / Max Cold operating pressure: 0.75 / 5.5 bar*
Tap hole size and centres: ∅35mm
Flow characteristics: Dual flow

Recommended / Maximum hot water temperature: 46 / 70°C*
*If these temperatures or pressures are exceeded, even for short periods, damage can result. In these instances a thermostatic mixing or pressure reducing valve should be installed.

This product is either WRAS approved or manufactured in accordance with recognised European standards. Please ensure that your Kitchen mixer is fitted in accordance with Local Water Byelaws. Where hot and cold water mix within the mixertap, then suitable non return (check) valves should be installed to the hot and cold supplies to prevent backflow.

Hot and cold supply pressures should be as closely balanced as possible for best results. Supply pipes should maintain the maximum diameter until immediately before the fitting. The differential between the hot and cold water supply temperatures should be sufficient to allow correct mixing function.

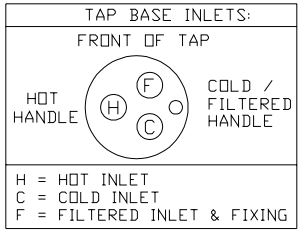
These installation guidelines have been prepared for your direction and you must exercise due care at all times. We do not accept responsibility for problems that may occur through improper installation. Whilst assembling the tap take care not to accidentally loosen any factory fixed assemblies.

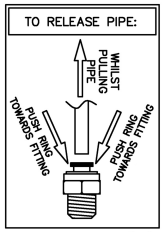
This tap has been 100% assembly tested; therefore you may expect a small residual amount of water to remain in the tap when delivered. Any water marks can be removed using the above care advice.

This tap can be used in conjunction with a water softening system and will remove the need for a separate drinking water tap. In this instance the isolator valve (U) must cut into the unsoftened cold mains supply.

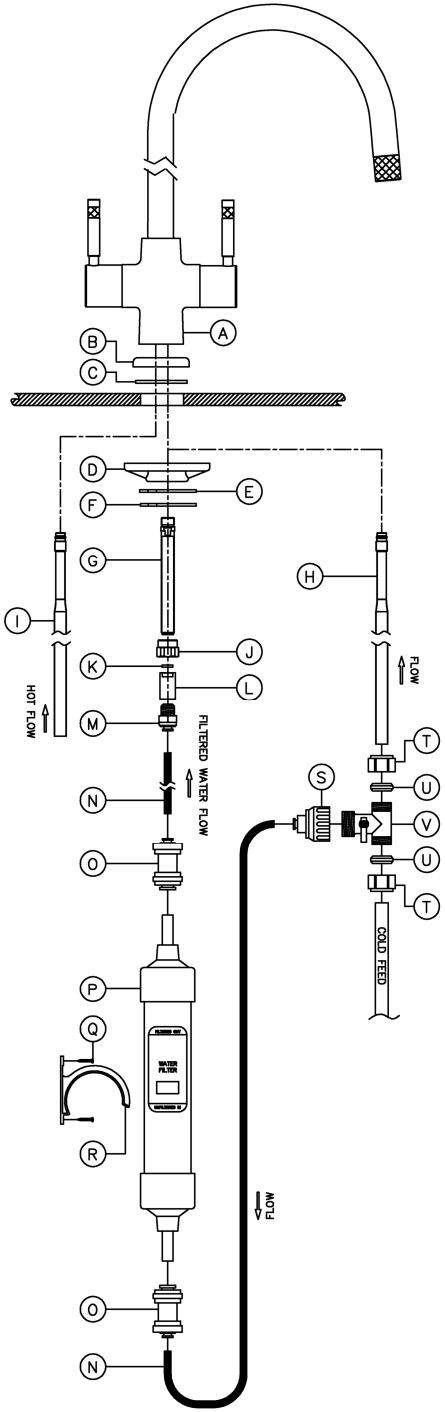
Key	Description:	Qty
A	Tap body	1
B	Base plinth	1
C	Upper sink / worktop seal	1
D	White triangular stabilising plate (for stainless sinks only)	1
E	Rubber horseshoe	1
F	Metal horseshoe	1
G	Hollow fixing stud	1
H	Cold water 15mm tail pipe	1
I	Hot water 15mm tail pipe	1
J	Fixing nut	1
K	Fibre seal	1
L	Tapered threaded Pushfit connector	1
M	Adaptor nut M12 x ¼"	1
N	Blue flexible ¼" pipe	1
O	Tapered threaded Pushfit connector	1
P	Filter cartridge	1
Q	Self tapping screw	2
R	Filter cartridge bracket	1
S	¼" x ¾" pushfit adaptor	1
T	Compression nut	2
U	Compression olive	2
V	Isolator valve	1

Tap inlets when viewed from the tap underside:





To obtain replacement filters please call; 0870 789 5108 or visit; www.rangemastercookshop.co.uk



Installation Preparation:

All parts should be removed from their packaging and inspected for completeness and transport damage prior to installation.
Before installing the new mixer **it is essential that you thoroughly flush through the supply pipes** in order to remove any remaining solder, swarf or impurities from your system. Failure to carry out this simple procedure could cause problems or damage to the workings of the mixertap and invalidate the warranty.
We recommend installing isolation valves and particle (mesh) filters to both the hot and cold feed pipes in an accessible position. This will help to prevent premature failure of the valves and ease any future maintenance.
Shut off the water heating system and ensure that the mains stopcock is closed. Ensure both the hot and cold water supplies are isolated before commencing installation.
This mixertap requires a ∅35mm tap hole, if replacing an existing tap, remove the tap & clean the end of the feed pipes using wire wool, the tap hole area should be free from dirt and sealant. You should ensure that the product will both fit into the depth of the mounting surface available and reach the required outlet positions before installation.
Loosely position the tap and tail pipes to check if any alteration to the existing pipework is required, if this is the case do this now.
This tap can be used in conjunction with a water softening system and will remove the need for a separate drinking water tap. In this instance the isolator valve (U) must cut into the unsoftened cold mains supply so the filtered drinking water is not pre-softened.

Stage 1 – install the tap:

1. Screw the hot and cold tail pipes (I & H) and fixing stud (G) into the base of the tap (A).
2. Place the upper seal (C) on to the base of base plinth (B).
3. Place the tap (A) centrally and straight to the tap hole, passing the hollow fixing stud (G) and tail pipes (I & H) through the sink.
4. Pass the rubber horseshoe (E) then the metal horseshoe (F) over the hollow fixing stud (G). Note: if the tap is to be fitted to a stainless steel sink then the white triangular plate (D) can be fitted where shown to improve the stability of the tap.
5. Using a spanner tighten fixing nut (J) onto the hollow fixing stud (G), a 17mm a/f box spanner or adjustable small basin wrench will help if one is available.
6. Place the fibre washer (K) into adaptor (L), then tighten the adaptor (L) onto the end of the hollow fixing stud (G).
7. Attach the hot water tail pipe (I) to the water feed pipe using 15mm compression or end feed joints. Note: the tail pipes can be carefully 'dogleg bent' apart to give more space to allow these fittings to be attached.
8. Using compression nuts (T) and olives (U) connect the 3-way tee (V) as shown to the cold water tail pipe (H).

Stage 2 – install the filter:

1. Locate a convenient position to install the filter (P), remembering that it must be easily accessible when it is changed, remove the blue domed dust plugs (not shown) from both ends of the filter, to remove the blue plugs push the circular collar towards the filter whilst pulling the plugs.
2. Using compression nuts (T) and olives (U) connect the 3-way tee (V) as shown to the cold water supply feed pipe.
3. Screw the filter bracket (R) to the sink cupboard wall using screws (Q), if attaching the bracket to an interior wall use a rawl plug.
4. Write the installation date onto the filter label in permanent pen.
5. Clip the filter (P) into its bracket (R) respecting the flow direction, the flow direction is marked on the filter body (P) with an arrow. The filter (P) should be mounted vertically or near vertically to perform correctly.
6. Screw the tapered pushfit connector (M) into the adaptor nut (L). Note we suggest using PTFE tape on the tapered thread of fitting (M), do not over tighten fitting (M) it will not be flush to adaptor (L) when in a sealed position.
7. Cut the blue flexible pipe (N) so it is slightly longer than the required lengths to and from the filter unit (P). When cutting the pipe use a sharp Stanley knife, ensuring that the pipe is cut cleanly and square at all ends.
8. Firmly push the blue pipe (N) apx. 12mm into the filter outlet pushfit connector (O) and pushfit connector (S).
9. Firmly push the blue pipe (N) into filter inlet pushfit connector (O) and the valve pushfit adaptor (M).