

INSTALLATION GUIDE

WILLO II TALL BASIN MIXER

FELTON

SYSTEM REQUIREMENTS

To ensure the optimum performance and customer satisfaction please adhere to the following:

- Flush out all pipe work prior to installation.
- Maximum hot water temperature is 60°C. If the water temperature exceeds 60°C an approved tempering valve must be fitted.
- Installation should comply with relevant local authority requirements.
- In accordance with good plumbing practice, filters should be fitted to supply lines to eliminate damage to the ceramic cartridge from suspended solids.
- AS/NZS 3500.1 states that pressures above 500kPa can cause damage from water hammer, reduce the life of appliances, taps & fittings, cause excessive noise in the system and recommend that a pressure limiting valve (PLV) be fitted.
- Installation must be carried out by a registered plumber in accordance with AS/NZS 3500, the New Zealand Building Code and Felton instructions.
- Inspection and maintenance must be carried out in accordance with Felton instructions to ensure ongoing performance and compliance.

MAXIMUM STATIC PRESSURE
Maximum static pressure 1500kPa. If water pressure exceeds or is likely to exceed 1500kPa, an approved pressure limiting valve must be fitted.

MINIMUM STATIC PRESSURE	HOT	COLD
Mains Pressure	150kPa	150kPa
Unequal Pressure <i>(applies to NZ only)</i>	36kPa	150kPa
Equal Low Pressure <i>(applies to NZ only)</i>	36kPa	36kPa



Failure to comply with the above will void warranties

BUILDING PRODUCT INFORMATION REQUIREMENTS (BPIR)

RELEVANT BUILDING CODE CLAUSES & CONTRIBUTIONS TO COMPLIANCE

This product is Watermarked under license **WM25208 - Tapware (Lead free) AS 3718: 2021**

B2 - Durability

B2.3.1 (c) applies (performance of building elements)

Proof of durability – Service history: Felton products have been installed and used in NZ for the last 50 years and warranty calls are at a minimum and within the quality principles of Felton.

Products that are WaterMark certified are subject to endurance testing.

F2 - Hazardous building materials

F 2.3.1 applies (performance)

Products in contact with drinking water is tested to AS/NZS 4020 (ensures acceptance levels of contaminants for human consumption). Compliance with Lead Free and DR Lead Free requirements where applicable.

G12 - Water Supplies

G12.2 applies (materials)

Felton products in contact with drinking water are tested to AS/NZS 4020, ensuring no water contamination and compliance with Lead Free and DR Lead Free requirements where applicable.

G12.3.2 applies (contamination of water)

All Felton products are designed, manufactured and inspected/tested, that are WaterMark certified, are subject to contamination of water testing (AS/NZS 4020). Compliance with Lead Free requirements where applicable.

G12.3.5 applies (performance)

Felton sanitary fixtures intended for utensil washing and personal washing, showering, or bathing are designed to be connected to a hot water supply and tested to AS/NZS 4020, ensuring suitability for potable water, non-contamination, and compliance with the performance requirements of NZ Building Code G12.

G12.3.7 (c) applies (flow rates)

All Felton products are designed, manufactured and inspected/tested, that are WaterMark certified, are subject to flow rates testing that is within the limitation set by the AS/NZS 3500 (NZBC) and the WELS regulations.

G12.3.10 applies (performance)

Felton water supply taps are designed to be accessible and operable, including for people with disabilities, when installed in accordance with Felton's instructions, supporting compliance with the accessibility requirements of the NZ Building Code.

WHAT IS IN THE PACK

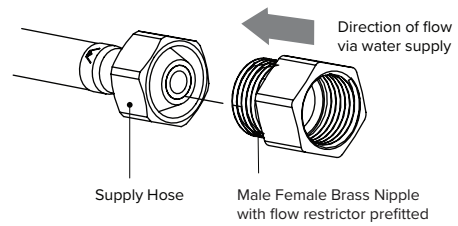
1 x basin mixer 2 x supply hoses 1 x basin fixing kit	1 x flow straightener 1 x key for flow straightener + aerator 1 x bench top o-ring	1 x male / female brass nipple with flow restrictor prefitted
---	--	--

IF YOU HAVE...

MAINS PRESSURE	EQUAL LOW PRESSURE
Install product as supplied.	Remove aerator from mixer outlet and replace with flow straightener.

UNEQUAL PRESSURE

- OUTLET:**
Remove aerator from mixer and replace with flow straightener provided
- INLET:**
Fit COLD supply hose end with male female brass nipple with flow restrictor prefitted in the orientation shown.



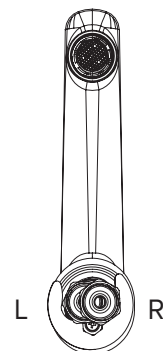
HOW TO INSTALL



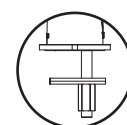
If mixer is being installed on a vitreous china bench top, apply silicone sealant to the base ring to ensure a water-tight seal on the uneven surface.

Single stud horse shoe fixing (preferred method)

1. Cut a mounting hole 35mm in diameter. There must be a minimum 12mm width of flat around the hole.
2. Unscrew metal threaded sleeve from bottom of mixer. This is not required for this fixing method.
3. Fit flange with o-ring seal to the mixer base
4. Screw the stud fixing into mixer base.
5. Screw the "HOT" supply hose (with RED) marking into left hand hose tail.
6. Screw the "COLD" supply hose into right hand hose tail.
7. Lower the fitted supply hoses, one hose at a time, into mounting hole.
8. From UNDERNEATH the bench, fit rubber horseshoe washer and metal horseshoe washer around both hoses and over the threaded stud. For more stability - fit white fixing triangle prior to fitting horseshoes and stud.
9. Screw the M8 nut onto stud and tighten with your fingers.
10. Check that the mixer and bench top seal are correctly aligned on the bench and tighten M8 nut with spanner to secure.
11. Flush the supply pipes to remove debris.
12. Turn on water supply and check for leaks.



MIXER BASE
BOTTOM VIEW

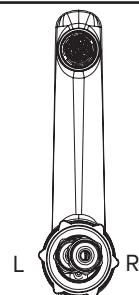


MIXER BASE
SIDE VIEW

Barrel fixing (alternative method)

1. Cut a mounting hole 35mm in diameter. There must be a minimum 12mm width of flat around the hole.
2. Screw the "HOT" supply hose (with RED marking) into left hand hose tail.
3. Fit flange with o-ring seal to the mixer base
4. Lower the tap assembly into mounting hole.
5. From UNDERNEATH the bench, fit rubber gasket, metal gasket and black fixing barrel. For more stability - fit white fixing triangle prior to fitting horseshoes and stud.
6. Check that the mixer and bench top seal are correctly aligned on the bench.
7. Screw the "COLD" supply hose into right hand hose tail of mixer base. Tighten barrel to secure.
8. Flush the supply pipes to remove debris.
9. Turn on water supply. Check that the correct supply corresponds with handle indicators and check for leaks.

Maximum bend for flexible hose is 35mm radius. The nipples on the hoses must be connected to fittings which have machined end faces, not "sawn off" threaded tube.



MIXER
BASE
BOTTOM
VIEW



MIXER BASE
SIDE VIEW

For technical assistance please ring
 NZ 0800 743 358 or (09) 528 0810 | AUS 1800 798 760