

## CARDINAL II - RETRACTABLE DUAL SPRAY SINK MIXER WATER EFFICIENT TAPWARE

### PLUMBERS INSTALLATION INSTRUCTIONS

#### Important Information

- \* Not suitable for gravity feed systems.
- \* Mixer is fitted with a flow regulated check valve.  
**Note: warranty is void if check valve housing (14) is not installed as shown.**
- \* The swivel outlet tube (23) must not be rotated by more than one turn in either direction to avoid damaging the hose (19).
- \* Isolating stop taps must be fitted to the hot & cold water supply connections. (Part No. 842018C - Mini cistern 1/4T)
- \* All pipework must be thoroughly flushed prior to installation, as foreign materials may block the flow regulating device and reduce the flow of water. **Note: Aerator insert housing must be retightened to prevent removal by hand.**

#### Installation (Fig.1 & 2)

- 1) Check that spray head (26) together with washer (25) is assembled into conical nut (24) of hose (19). Pass the hose from the spigot end (15) through the outlet tube and mixer body. Ensure 'O'ring (9) and studs (22) are fitted into base of mixer body (8) as shown.
- 2) **Flexible Tail Mixer Connections:** Ensure flexible tail (17) (with red indication) is fitted into the hole marked as 'H' at the bottom of mixer body (8). Ensure another flexible tail (with blue indication) is fitted into remaining hole in a similar manner. Check both flexible tails have been fully tightened to provide a watertight joint.
- 3) Insert the spigot end (15) of hose (19) through the hole in the deck, followed by inlet connection end (16) of each flexible tail (17) then the outlet tube (13). Feed spacer (27) (for thin decks only) over hoses then assemble gasket washer (11) together with fixing plate (12) onto the threaded studs (22). Screw on fixing nuts (21), position the mixer (8) as required, then tighten fixing nuts (21) using a suitable spanner.
- 4) Screw the hex end of check valve housing (14) on spigot end (15) of hose (19) and tighten gently with a spanner, **DO NOT OVERTIGHTEN.** Fit the spigot end (15) of hose (19) into the check valve housing (14) and push it in all the way until a "click" sound is heard. With hose (19) unobstructed & hanging freely in its retracted position in the cabinet (Fig.2), fit hose weight (20) onto hose (19) and position it so that the hose (19) can extend sufficiently when spray head (26) is pulled from the swivel tube (23) (Fig.2). Tighten hose weight screws using a suitable screwdriver.
- 5) **Flexible Tail Inlet Connections:** Connect the flexible tails (17) to the hot and cold isolating stop taps. Hand tighten the connecting nut (16) until rubber washer contacts the sealing face of the connection end, then tighten firmly using a suitable spanner to provide a watertight joint. **Important:** Flexible tails must not be kinked, twisted or in tension when installed. (Minimum Bend Radius:- 50mm)  
Do not install flexible tails where subject to ultra violet light.



#### SPRAY HEAD - TWO FUNCTIONS

BUTTON A - VEGGIE SPRAY

BUTTON B - AERATED COLUMN

**Note:** If water does not flow from spray head (26), make sure that check valve housing (14) is installed correctly as shown.

#### Replacing Cartridge (Fig.1)

- 1) Turn off hot and cold water supplies.
- 2) Remove plug (1) before using 2.5mm allen key (2) to loosen grub screw (3) and remove handle (4). Remove cap (5), taking care not to damage the decorative finish. Unscrew nut (6) then lift out old cartridge (7).
- 3) Ensure inside face of mixer body (8) is clean. Check that seals are in position in base of new cartridge (7). Fit new cartridge (7) into mixer body (8), taking care that two lugs on base of cartridge (7) fit into mating holes in mixer body (8).
- 4) Screw on nut (6).  
**Important:-** Nut (6) should be tightened to a torque of 12 Nm.
- 5) Replace cap (5), tightening by hand. Fit handle (4), taking care that it is pushed fully down, then tighten grub screw (2).
- 6) Turn on water supplies and check operation.

#### IMPORTANT

- This product complies with the Lead Free requirements of the National Construction Code Volume Three.
- Hot and cold water inlet pressures should be equal.
- Static inlet pressure range : 150-1000 kPa  
New Regulation:- 500 kPa maximum static pressure at any outlet within a building.
- Maximum hot water temperature : 80°C.

#### Deck Requirements

- Deck thickness :45mm maximum
- Tap body hole (in deck) : Ø34-36mm
- Minimum clearance requirement (Fig 2), underneath the deck to allow the Pull-out hose and weight to move freely.

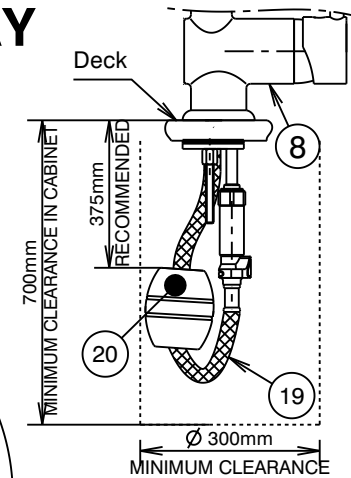


Fig.2

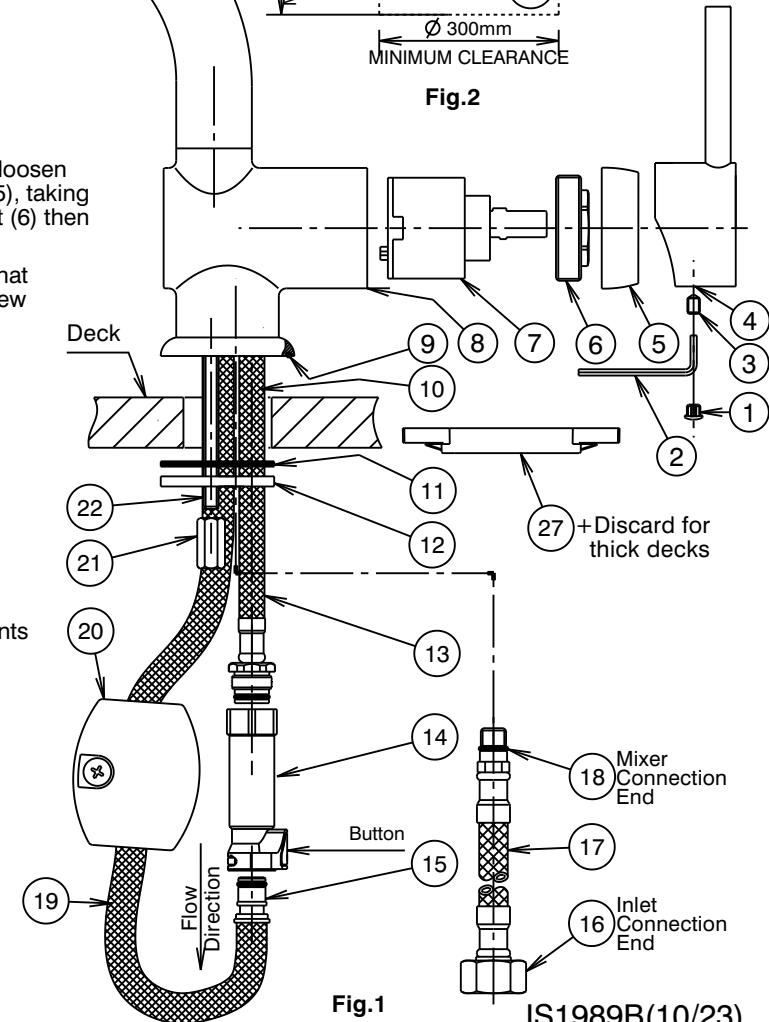


Fig.1

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