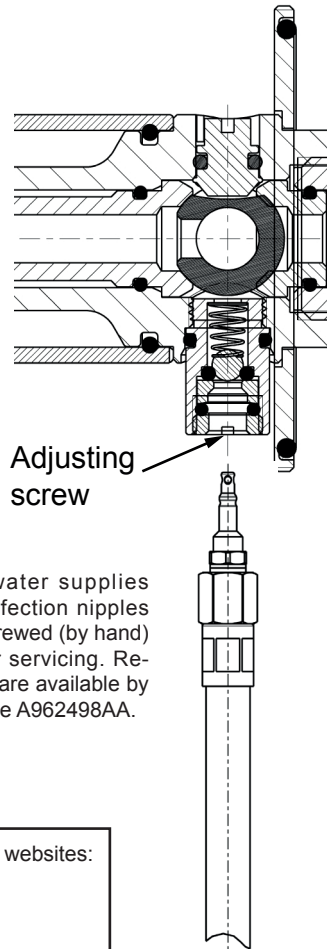


# MARKWIK THERMAL DISINFECTION KIT S8239NU

*Armitage Shanks*

## Instruction for use



Adjusting screw

Note: With the water supplies isolated, the disinfection nipples can easily be unscrewed (by hand) from the fitting for servicing. Replacement nipples are available by quoting spares code A962498AA.

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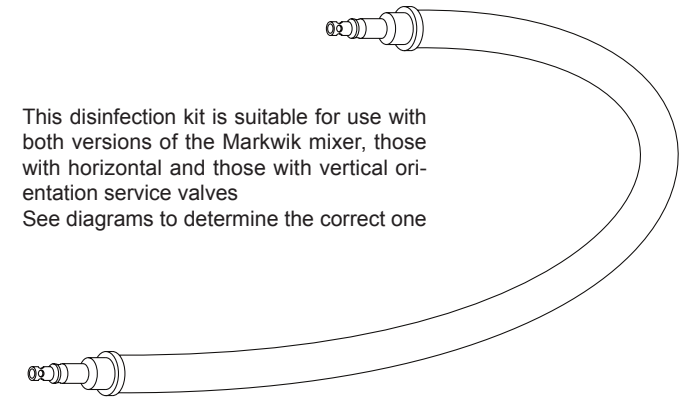
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This disinfection kit is suitable for use with both versions of the Markwik mixer, those with horizontal and those with vertical orientation service valves  
 See diagrams to determine the correct one

### Summary

The disinfecting feature allows an engineer to feed water from the hot inlet via the temporary by-pass hose into the cold inlet. The hot water then passes through the cold inlet, the thermostatic mixing chamber and out through the mixed water outlet disinfecting the fitting. The temporary bypass hose is inserted into special valve connectors in the inlet tails either concealed by the shrouds or positioned under the basin in the case of deck mount mixers.

**Safety Note: Care should be taken when carrying out the following procedure to avoid contact with hot water and hot surfaces. We recommend the use of protective hand ware.**  
**Procedure**

To disinfect the fitting proceed as follows (deck mount fittings isolation is below basin):

1. Unscrew the wall shrouds and slide forward
2. Isolate both inlets by turning the isolation valves through 90 anti-clockwise.
3. Remove dust covers from the exposed nipples and push-fit the temporary flexible hose inserting the cold side first and then the hot. NOTE: If water discharges from the hose following connection to the cold side then contact customer care.
4. Operate the fitting lever in line with the spout position.
5. Now turn the hot isolation valve clockwise. Hot water will now pass from the hot inlet, through the by-pass hose into the cold inlet and thence into the thermostatic mixing chamber and spout. Here by the nature of the thermostatic element it will fully open the cold port. The hot water will then discharge to waste via the fitting's spout, with a noticeable increase in surface temperature of the product.

See table for a guide to disinfection temperatures v/s time:

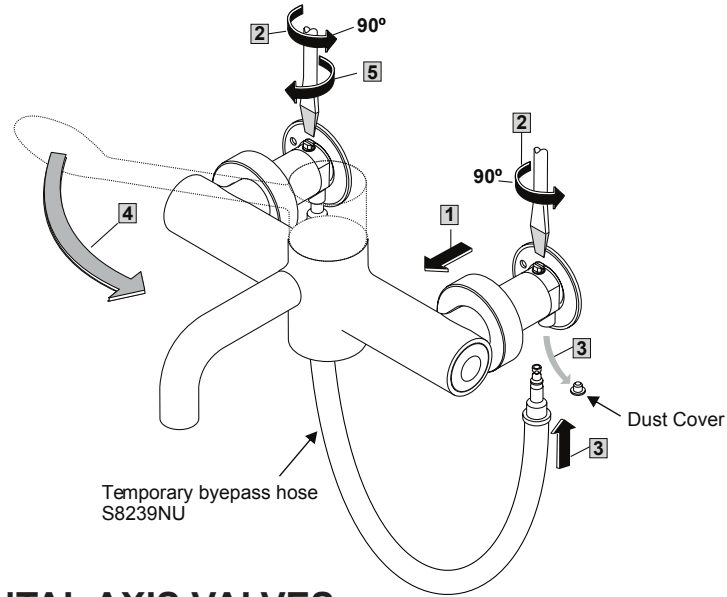
Temperature	Disinfection time
60°C	20 minutes
65°C	10 minutes
70°C	5 minutes

Following the recommended disinfection period, turn the hot isolation valve back to the isolation position, turn off the fitting and remove the bypass hose - hot side first then the cold. Turn both isolation valves back to the normal flow position. Check for normal operation of the fitting and replace dust caps and escutcheons.

NOTE: Thermal disinfection will only have occurred if water has been discharged from the spout according to the table above.

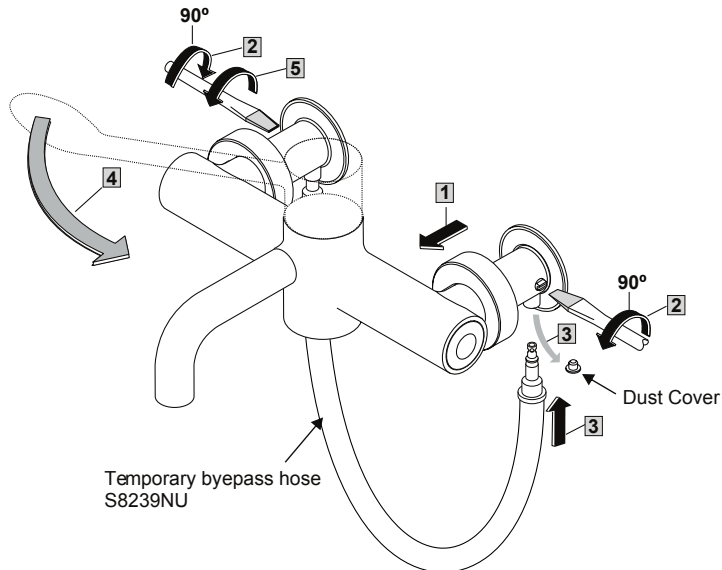
## VERTICAL AXIS VALVES

The diagram below shows the sequence required for mixers fitted with vertical axis service valves

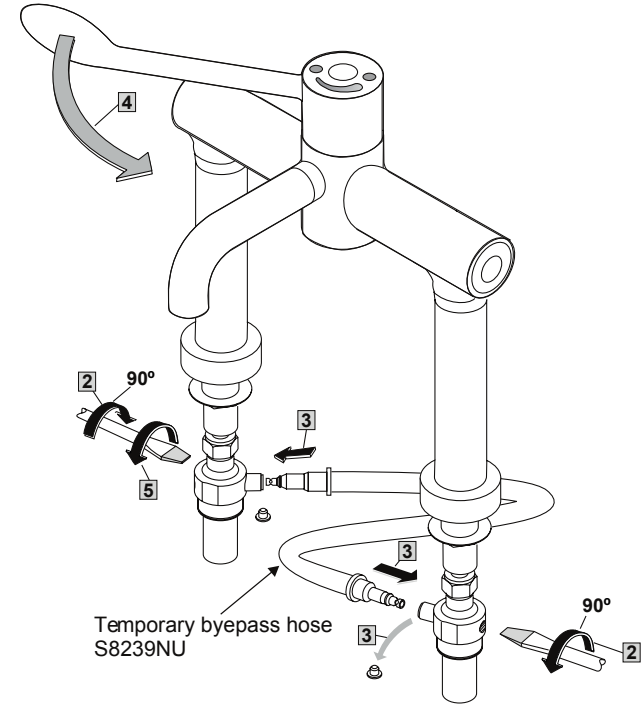


## HORIZONTAL AXIS VALVES

The diagram below shows the sequence required for mixers fitted with horizontal axis service valves



The diagram below shows the sequence required for deck mounted mixers where the service valves are fitted under the tap deck



### Important note:

The temporary bypass hose should be gripped in the disinfection nipple by an o-ring locating into a groove on the hose end. If necessary, the grip can be increased as follows:

With the dust cap removed, the slot of the adjusting screw (shown below) should be visible on the end of the disinfection nipple. A small flat blade screw driver can be used to adjust the screw.

Typically, only a small adjustment will be necessary ( $1/8^{\text{th}}$  of a turn clockwise may suffice).

### Warning:

Excessive adjustment could unseat the sealing ball and cause leakage.