

Restore In-Wall Sequential Mixer with Outlet

Installation and Maintenance Instructions

RHMIXBASSQ-BOW
RHMIXBASSQ-FOW
RHMIXBASSQ-150-FOW



technical data

Working Pressure Range	Min 50 kPa Max 500 kPa
Maximum Static Pressure	800 kPa
Maximum Working Temperature	85°C (Ceramic disc)

Enware products are to be installed in accordance with the Plumbing Code of Australia (PCA) and AS/NZS3500. Installations not complying with PCA and AS/NZS 3500 may void the product and performance warranty provisions.

Reference should also be made to the Australasian Health Facility Guidelines (AHFG), ABCB and Local Government regulations when considering the choice of, and the installation of these products.

This product must be installed and commissioned by a qualified plumber.

For use with potable water only.

NOTE: Enware Australia advises:

1. Due to ongoing Research and Development, specifications may change without notice.
2. Component specifications may change on some export models.

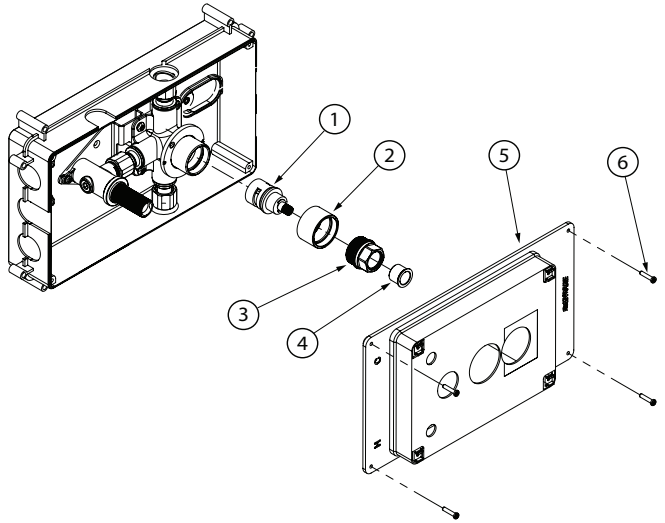
I00510_23 Oct 2024

1300 369 273 | info@enware.com.au | enware.com.au

ENWARE
A WATTS Brand

RHMIXBASSQ-BOW

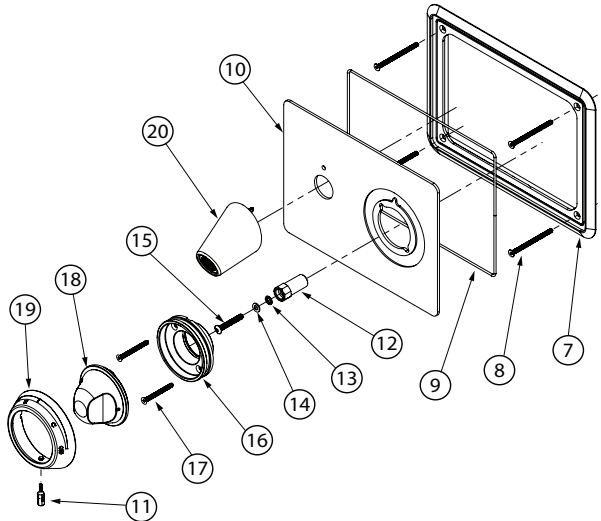
In-Wall Component



- 1 Cartridge sequential 180° RTC
- 2 Sleeve
- 3 Cartridge nut
- 4 Bush
- 5 Box cover
- 6 Screw M4x20

RHMIXBASSQ-FOW

Front-of-Wall Component



- 7 Support bracket
- 8 Screw M4x60
- 9 Rubber seal
- 10 Face plate
- 11 Torx key post T-10
- 12 Spline adaptor
- 13 Washer - nylon
- 14 Tooth washer
- 15 Screw M5x35
- 16 Flange support
- 17 Screw M4x40
- 18 Handle
- 19 Dress ring
- 20 Outlet

installation

- All supply lines must be flushed thoroughly to remove debris prior to the installation of this product as per AS/NZS 3500.1. Strainers (40 mesh) are recommended if debris is an ongoing problem.
- A pressure reduction valve may be required to comply with the recommended maximum supply pressure and/or balanced pressure requirements.

ROUGH-IN

1. Determine desired location of the tap, taking into account the water flow projection from the outlet spout. **SEE IMAGE 01**

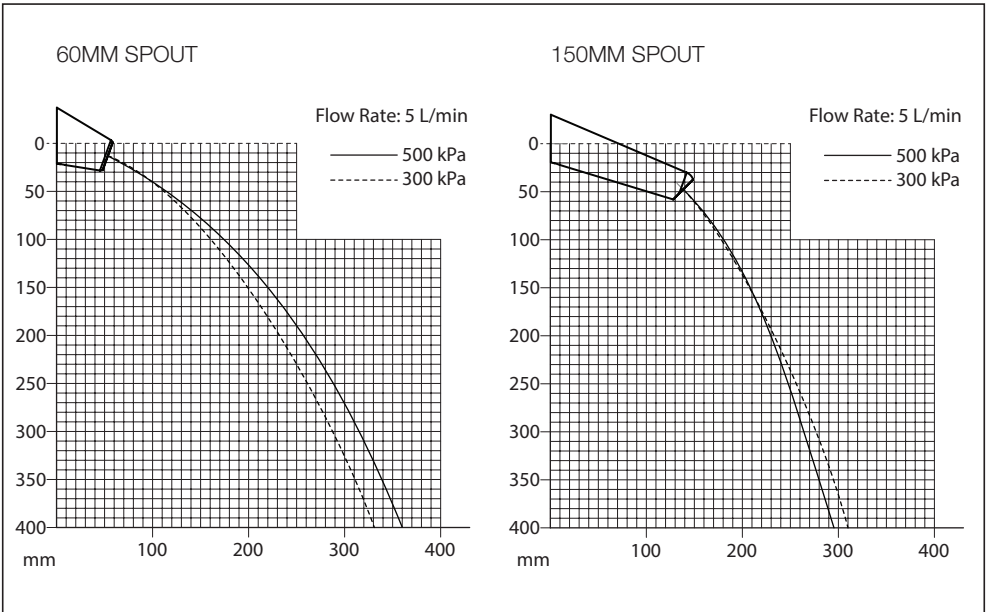


IMAGE 01

- Determine the box position in relation to wall depth, considering the thickness of the finished wall.

The In-wall box can be fixed to a masonry wall or nogging within a wall frame, by using the fixing lugs on the top and bottom of the box and four suitable screws.

If installing within a frame wall, fit mounting timber in desired location for box support. 13mm plywood fixed between two vertical in-wall studs is recommended. In case of limited wall space, use plywood or similar material of lesser thickness, or consider other fixing methods

IMPORTANT:

The depth of box from finished wall to the back of the box must be between 80 - 95mm.

SEE IMAGE 02

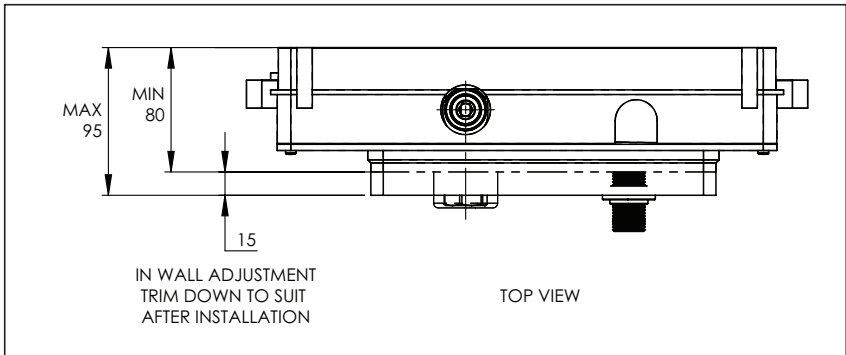


IMAGE 02

- Mark out fixing point locations while ensuring the box is level.

The mixer must be installed with the outlet on the left and mixer tap on the right, to ensure the front-of-wall components face the correct direction.

SEE IMAGE 03

Secure the In-wall box to the internal cavity within the wall.

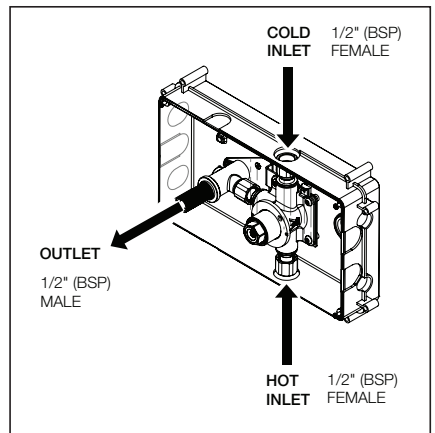


IMAGE 03

4. Remove and keep the 4 screws [Part 6 - page 2] located on the outer edge of the in-wall box. Remove and keep front box cover [5] at hand.
5. Purge hot and cold supply lines ensuring all debris has been cleared. Then, connect water supply to inlet fittings using 1/2" BSP fittings.

Warning: Heat must not be applied to the inlets and outlet of the mixer while connected to the mixer body, as this may result in damage to the internal components and void warranty. If hot works are required, disconnect the loose nuts on the body before commencing.

6. Turn hot and cold water supplies on and turn the mixer on, to check for leaks in the 1/2" threaded joints.

Important: Maximum Static Pressure for testing and commissioning purposes is 800 kPa

7. Place the box front cover [5] back over the mixer and fix it in place using the supplied screws [6] previously removed.
8. The wall is ready to be sheeted. Make sure sheeting and waterproofing is finished hard up against the protruding section of box.

Finished wall cut-out size: 166 mm wide x 222 mm high

FIT OFF - FRONT OF WALL COMPONENTS

9. Once the finished wall is complete, trim the protruding section of the In-wall box [5] so that it finishes flush with the finished wall face. Check that no part of the box protrudes past the finished wall, and deburr trimmed edges.

SEE IMAGE 04

10. Seal any gaps between the wall cut-out and the In-wall box, with appropriate silicone sealant. Apply a thin bead of silicone sealant around the perimeter of the cut-out section of the wall.

SEE IMAGE 05

11. Fit the chrome support bracket [7] to wall and fix in place using four M4x60 screws [8] supplied.

SEE IMAGE 06

12. To dismantle handle assembly, first remove the grub screw from dress ring [19] using Torx key [11] supplied, and keep the grub screw at hand. Pull dress ring off flange support [16] before removing handle [18].

13. Fit octagon spline adaptor [12] onto spindle of cartridge [1], then plastic washer [13] and tooth washer [14], and fix into place using M5 screw [15] supplied.

14. Fit the chrome face plate [10] with the key protrusion in the centre groove facing up.

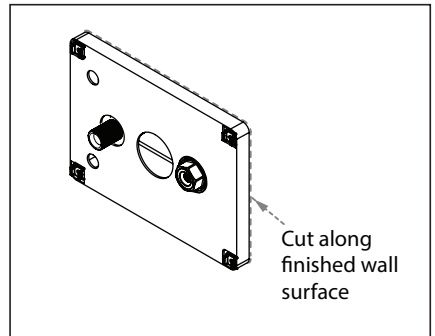


IMAGE 04

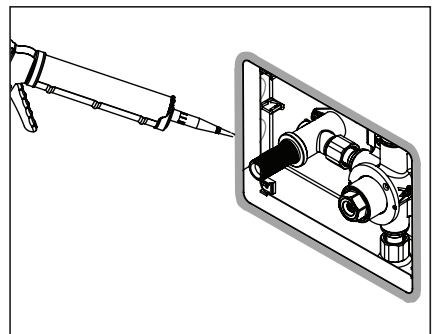


IMAGE 05

15. At this point, measure the outlet thread for the spout so that 10mm of thread is protruding from the face plate. **SEE IMAGE 07**
Take face plate off and cut the 1/2" BSP thread to suit.
16. Fit chrome face plate [10] back on.
Fit flange support [16], and align key cut-out to the key protrusion on the front plate. Fix the flange support in place using two M4x40 [17] screws supplied.
17. Fit handle [18] on. Check that the indicator faces the right hand side when the handle is turned clockwise and stops at the OFF position.
If the handle does not align, re-fit handle at a different position, or change the position of the spline adaptor [12] fitted in Step 13. **SEE OPERATING INSTRUCTIONS - PAGE 8**
18. Fit the dress ring [19] on, ensuring the key cut-out on the dress ring locates into the key protrusion on the face plate. Fit grub screw back onto the dress ring and secure in place by tightening the grub screw with Torx key [11].

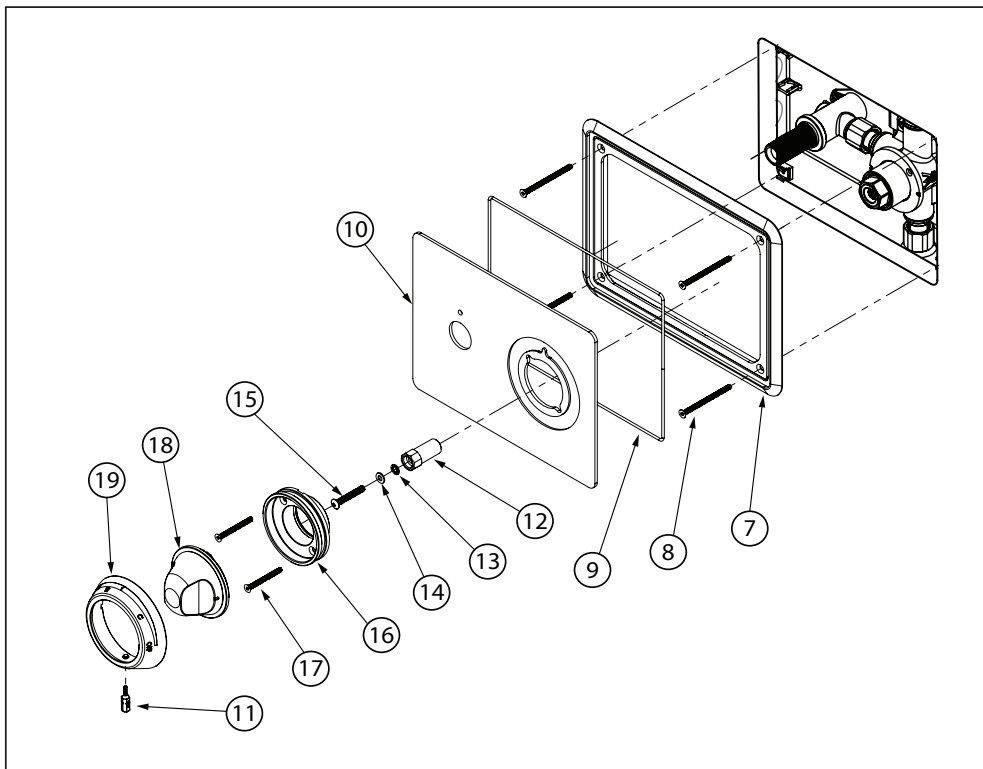


IMAGE 06

INSTALLATION - OUTLET SPOUT

1. Check that the 1/2" BSP thread for the outlet has 10mm of thread protruding from face plate.

SEE IMAGE 07

2. To disassemble wall base from spout, first unscrew the grub screw out from the bottom of spout using the T10 Torx key supplied.
Loosely screw a 1/2" thread fitting onto the female thread of wall base located on the back of spout, and pull out the wall base from the spout assembly.
3. Apply thread sealant to the outlet thread on face plate.
4. Screw wall base onto thread, all the way until the wall base is tight against the face plate. Use a spanner on the hex of the wall base to tighten.

SEE IMAGE 08

5. Fit spout onto face plate. If required, apply anti-pick silicone or silicone sealant of appropriate grade, around the edges on the contact surface. Push the spout all the way so that it is tight against the face plate.
Make sure the anti-rotation pin locates correctly and that there are no gaps between the face plate and the spout.
6. Secure the spout in position with the grub screw. Use T10 Torx key to tighten the grub screw with a small spanner. Do not over-tighten. **SEE IMAGE 09**
7. Turn on water supply and test operation.
Refer to Troubleshooting if there is any problem.

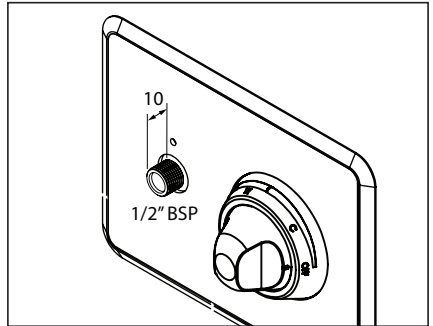


IMAGE 07

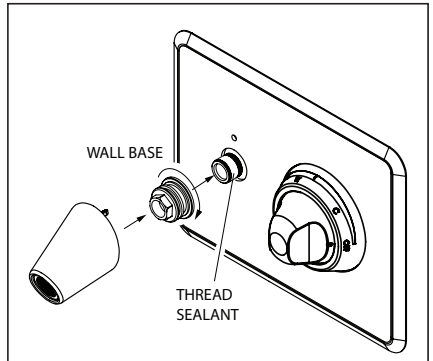


IMAGE 08

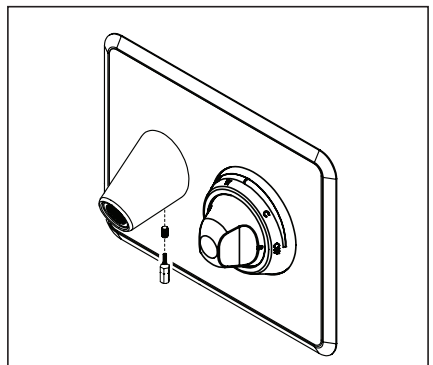


IMAGE 09

operating instructions

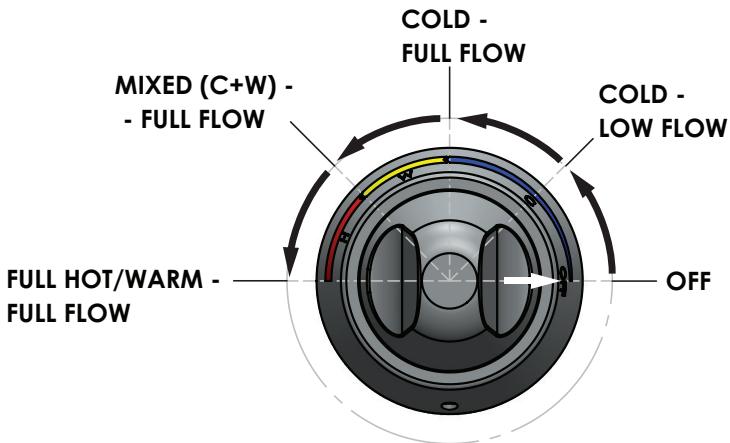
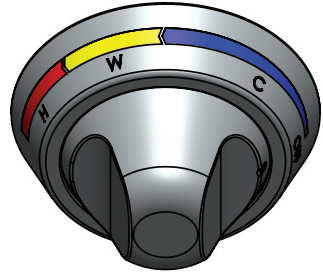
The sequential lever turns progressively from “OFF” to “COLD” to “WARM” / “HOT”.

Starting from OFF position (handle pointing to the right),

To operate the tap, turn the lever anticlockwise. The flow volume gradually increases. At the top position, cold water is at its full flow.

Turning the lever further past COLD, the flow rate stays at maximum but now the water is mixed with more hot / warm water.

At “HOT” position (handle pointing to the left), it is at full temperature and flow supplied to the hot inlet of the mixer, and is no longer mixed with cold water.



HANDLE POSITIONS

maintenance

CLEANING

Enware products should be cleaned with a soft damp cloth using only mild liquid detergent or soap and water. Do not use cleaning agents containing a corrosive acid, scouring agent or solvent chemicals. Do not use cream cleaners, as they are abrasive. Use of unsuitable cleaning agents may damage the surface. Any damage caused in this way will not be covered by warranty.

CLEAN AERATOR

Clean aerator periodically.
Unscrew the aerator using aerator key, and rinse it under running water.

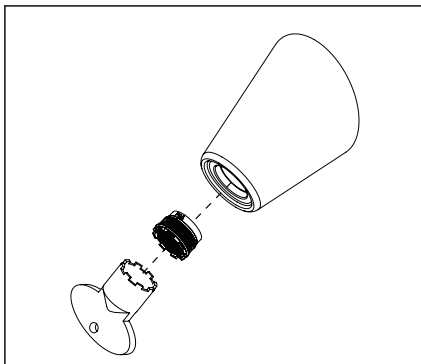


IMAGE 09

troubleshooting

PROBLEM	CAUSE	RECTIFICATION
Water leaking from outlet Water dripping and does not shut off	Cartridge has debris caught in the mechanism.	Remove and flush Cartridge, inspect and remove any debris. Install an inline strainer.
	Cartridge is worn or damaged	Replace Cartridge if damaged.
	Pressure too high	Install pressure reduction valve, ensure it is under 500 kPa.
Water is leaking from spindle	Seal in Cartridge is worn or damaged	Replace Cartridge
	Pressure too high	Install pressure reduction valve, ensure it is under 500 kPa
Water is not flowing from tap Poor water flow from outlet	Water turned off.	Turn water on.
	Aerator / Flow control is blocked by debris.	Remove aerator and clean debris. Install an inline strainer.
Handle does not align straight	Spline adaptor not fitted correctly	Adjust position of handle by re-positioning the spline adaptor.

product warranty statement - WATTS AUSTRALIA

EFFECTIVE FROM 20 November 2023

This Warranty Statement applies to products supplied by Australian Valve Group Pty Ltd (ACN 068 227 270) (**AVG**) or Enware Pty Ltd (ACN 662 302 767) (**Enware**) (each of AVG and Enware, a Supplier) and installed within Australia.

Subject to the terms and conditions outlined in this Warranty Statement, each Supplier warrants to its customers that a product supplied by it (**Product**) will be free from all defects in material and workmanship under normal usage for the applicable Warranty Period (as set out in the Warranty Table below). The Warranty Period commences from the date of delivery of the relevant Product.

1. Conditions

The warranty provided under this Warranty Statement will not apply in respect of a Product (or any Product defect, fault or resulting damage) if:

- (a) the Product is not installed and maintained in accordance with the requirements of the applicable laws, standards and codes (including, without limitation to, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500);
- (b) the Product is not installed and maintained by a qualified technician in accordance with the relevant installation and operation manual and instructions; and
- (c) any Product defect, faulty or resulting damage arises from:
 - (i) failure by you or any other person to follow the relevant manual or instructions (relating to the handling, storage, installation, fitting, connection, adjustment, maintenance or repair of the Product) published or provided by the Supplier;
 - (ii) failure by you or any other person responsible for the fitting, installation, or other work on the Product to follow or conform to applicable laws, standards and codes (including, without limitation to, the AS/NZ 3500 set of Standards, all applicable State and Territory Plumbing Codes, the Plumbing Code of Australia and directions and requirements of local and other statutory authorities);
 - (iii) any parts or components not manufactured by the Supplier (or otherwise not authorised by the Supplier) are installed or combined with the Product, without the prior authorisation of the Supplier; or
 - (iv) any act or circumstance beyond our control including, without limitation to, accident, abnormal use, vandalism, fouling caused by foreign material, damage from adverse water conditions, chemical, acts of God, damage to buildings, other structures and infrastructure and loss or damage during transit or transportation of the Product, or any abuse, misuse, misapplication, improper installation or connection, or improper maintenance or alteration of the Product.

2. Make a claim

To make a claim under this Warranty Statement, you must notify the relevant Supplier in writing within 7 days of any alleged defect in the Product coming to your attention and provide the Supplier with proof of your purchase of the Product to the relevant Supplier:

- (a) If the Product is supplied by **AVG**, please contact AVG by telephone at 1800 284 287, or by email via its online portal <https://www.wattsau.com.au/support>.
- (b) If the Product is supplied by **Enware**, please complete the Product Service Request form (ENF091), which is available on request from our office (see contact details below), or online via <https://www.enware.com.au/warranty-service-form/>. All notifications and accompanying forms must be sent to Enware marked for the attention of Enware, 9 Endeavour Road, Caringbah NSW 2229. Enware can also be contacted by telephone (1300 369 273) or by email (info@enware.com.au).

On receipt of a notification from you of a claim under this Warranty Statement, the relevant Supplier may contact you requesting you provide reasonably additional evidence, information or details about your claim, or requiring that the relevant Product should be returned to the Supplier (in accordance with the Supplier's instructions) for inspection and testing.

Your failure to comply with any such request within a reasonable amount of time may result in your claim under this Warranty Statement being rejected.

3. Our responsibilities

(a) In the event that the Supplier is reasonably satisfied that there is a defect in the relevant Product within the applicable Warranty Period, the Supplier will, at its option, replace the Product, supply an equivalent product or repair the Product, free of charge. Your costs in making a warranty claim under this Warranty Statement, including any costs in relation to freight, collection, delivery and installation, are to be borne and paid by you. However, in respect of a Product, it is indicated in the Warranty Table that labour support will be provided, and the Supplier is reasonably satisfied that a defect in the Product takes place during the period that labour support will be provided as indicated in the Warranty Table, the Supplier will bear the costs for delivery, repair and installation of the replacement Product (as applicable).

(b) TO THE EXTENT PERMITTED BY LAW AND SUBJECT TO PARAGRAPH 4 BELOW AND THE OPERATION OF THE AUSTRALIAN CONSUMER LAW:

- (i) THE WARRANTY SET OUT IN THIS WARRANTY STATEMENT IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE SUPPLIER WITH RESPECT TO THE RELEVANT PRODUCT;
- (ii) THE SUPPLIER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED;
- (iii) THE SUPPLIER HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE; AND
- (iv) THE REMEDY DESCRIBED IN THIS WARRANTY STATEMENT SHALL CONSTITUTE THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF WARRANTY, AND THE SUPPLIER SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOST PROFITS OR THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED IF THE PRODUCT DOES NOT WORK PROPERLY.

4. Australian Consumer Law

This paragraph 4 applies if you are a 'Consumer' (as defined in section 3 of the Australian Consumer Law (**ACL**)) and the Product or services supplied to you falls within the goods or services which, for the purposes of the ACL, are of a kind ordinarily acquired for personal, domestic or household use or consumption.

The Products and services provided by the Supplier come with guarantees that cannot be excluded under the ACL, and noting in this Warranty Statement should be interpreted as attempting to exclude, restrict or modify such guarantees or your rights under the ACL. For major failures with any services, you are entitled:

- (c) to cancel your service contract with us; and
- (d) to a refund for the unused portion, or to compensation for its reduced value.

You are also entitled to choose a refund or replacement for major failures with Products. If a failure with the Product or a service does not amount to a major failure, you are entitled to have the failure rectified in a reasonable time. If this is not done you are entitled to a refund for the Products and to cancel the contract for the service and obtain a refund of any unused portion. You are also entitled to be compensated for any other reasonably foreseeable loss or damage from a failure in the Products or service*.

5. Warranty table

*the applicable period commences on the date of delivery of the Product.

PRODUCT GROUP	PRODUCT SERIES CODES	WARRANTY PERIOD (YEARS)*	LABOUR SUPPORT (YEARS)
Correctional	DET	3	2