



# RBP1 - 'ABS' Recess Box - Installation Instructions

To suit the following Dux Endurance Continuous Flow water heater models:

ENDURANCE 16 - DEU-VR1620WG  
 ENDURANCE 20 - DEU-VR2020WG  
 ENDURANCE 26 - DEU-VR2626WG

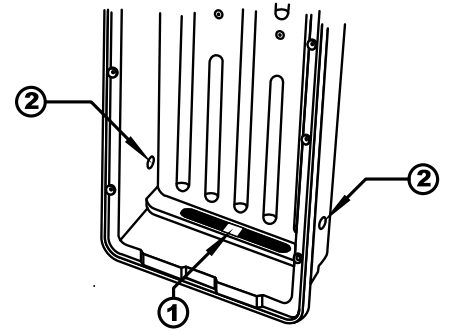
PLEASE NOTE: Does not suit the ENDURANCE 32

## RBP1 - 'ABS' RECESS BOX COMPONENTS

The Dux RBP1 - 'ABS' Recess Box contains two components Cover and an Insert.

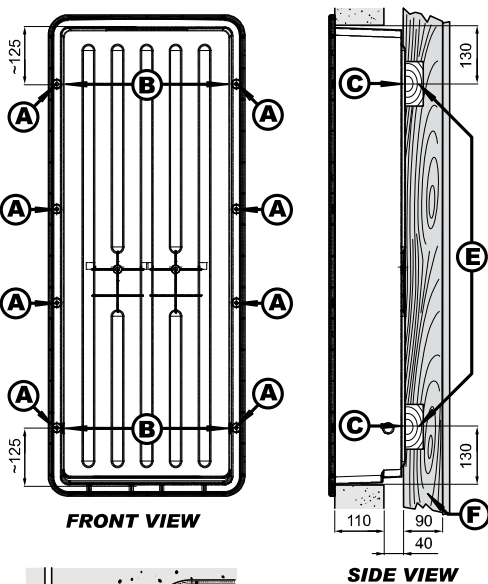
### GENERAL PREPERATION

1. Prepare an opening in the wall approximately 1 metre above the ground. The opening requirements are Height 1030mm, Width 390mm and a minimum Depth of 160mm (see dimension diagrams page 2). Ensure the location complies with the requirements of AS/NZS 5601 Fig. 6.2.
2. Remove the transport tab ① from the pipe entry point of the insert.
3. Determine the appropriate electrical access point and remove either the left or right the knock out plug ② located near the bottom of the side walls of the insert.



### SECURING OPTIONS

The RBP1 - 'ABS' insert is designed to be surface mounted and may be secured using one of the following methods:



#### Ⓐ Securing the RBP1 - 'ABS' Insert externally

Secure to the wall surface via the 8 screw holes provided in the flange of the insert using suitable fasteners.

#### Ⓑ Securing the RBP1 - 'ABS' Insert internally, through the side wall

Secure the insert into a solid fixture such as brickwork, timber studs etc, through the side walls using suitable fasteners.



**The excess space between the side walls of the insert and the solid fixture may require packing to prevent distortion of the insert.**

At least two fasteners should be used through each side wall approximately 125 mm from the inside top and bottom horizontal faces of the insert

#### Ⓒ Securing the RBP1 - 'ABS' Insert internally, through the rear wall

Install two noggins ⑤ between wall studs ⑥, these are to be centred at 130 mm from the top and bottom of the opening. Secure the insert into the noggins ⑤ through the rear wall using suitable fasteners.

#### Ⓓ Securing the RBP1 - 'ABS' Insert with the use of a brick tie

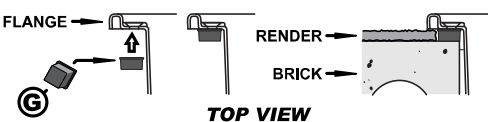
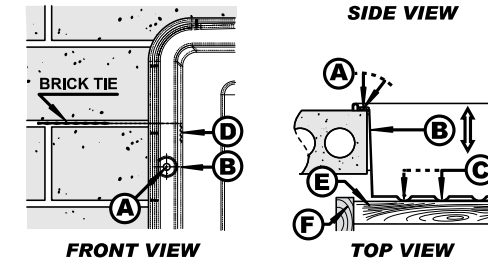
Secure a brick tie to the side walls of the insert with pop-rivets or screws. As the brickwork is being laid use the attached brick ties to secure the insert into the brick courses. Use two brick ties per side, one near the top and bottom of the insert.

#### Ⓔ Installing the RBP1 - 'ABS' to rendered surfaces

Use spacers ⑦ (not provided) to install the RBP1 - 'ABS' insert, with sufficient clearance for rendering.



**When the render is applied ensure that the gap provided by the stand-off spacers is NOT exceeded as this will prevent the RBP1 - 'ABS' cover from being fitted!**



### ASSEMBLY AND APPLIANCE INSTALLATION



**THE RBP1 - 'ABS' COVER AND INSERT ARE CONSTRUCTED FROM DURABLE ABS PLASTIC. NEVERTHELESS, TAKE CARE WHEN WELDING ANY PLUMBING CONNECTIONS TO ENSURE NO RBP1 - 'ABS' PARTS ARE SUBJECTED TO A NAKED FLAME OR EXCESSIVE HEAT.**

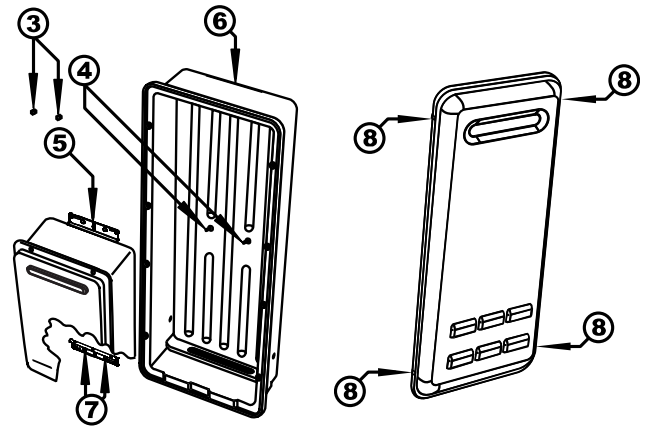
**THE RBP1 - 'ABS' IS NOT SUITABLE FOR INSTALLATION INTO WALLS WHICH ARE REQUIRED TO BE 'FIRE RESISTING' AS DEFINED IN THE BUILDING CODE OF AUSTRALIA (BCA) UNLESS ALTERNATIVE PROVISIONS ARE MADE TO ACHIEVE THE REQUIRED FIRE RESISTANCE LEVEL (FRL). REFER TO THE BCA FOR MORE INFORMATION.**

4. The gas, cold water inlet and hot water outlet pipes can be brought through the pipe entry point at the base of the insert. The pipe entry point is elevated to prevent water ingress. This can be sealed if required.

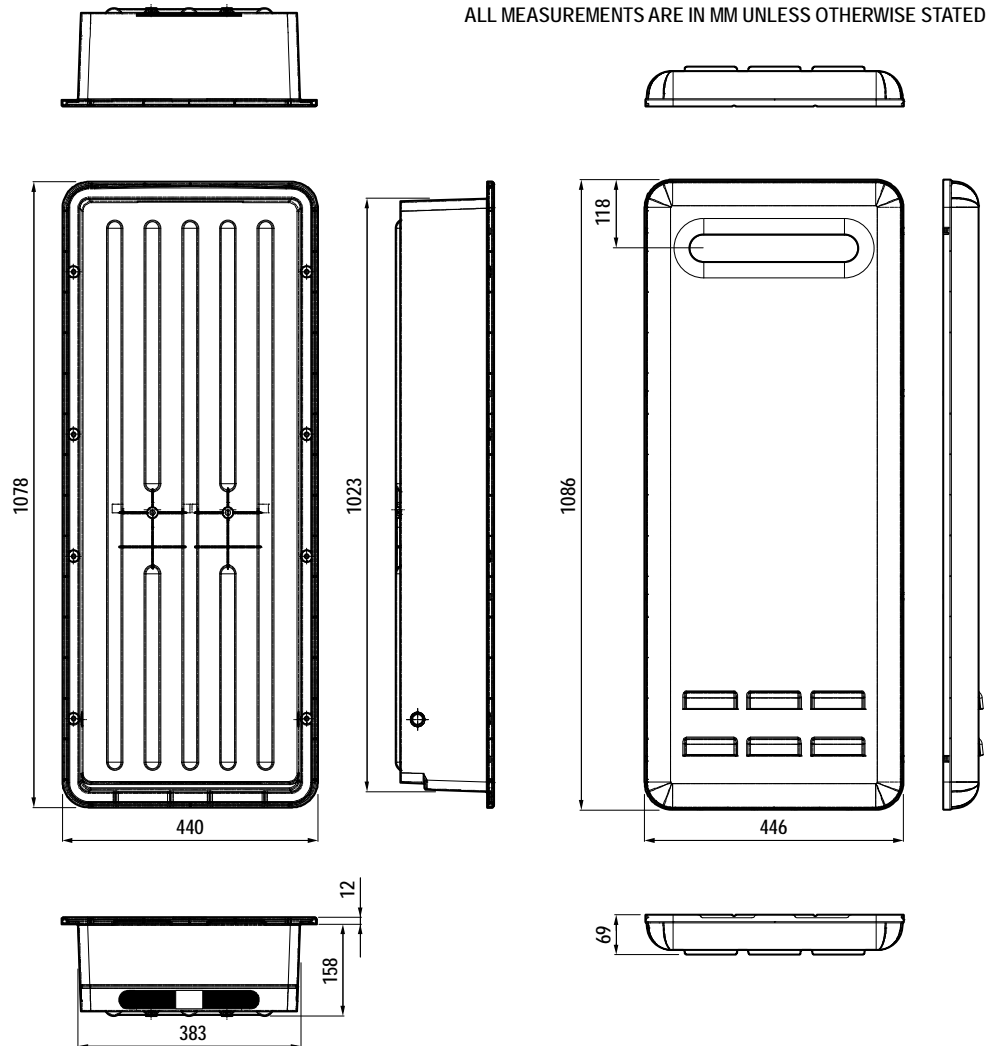
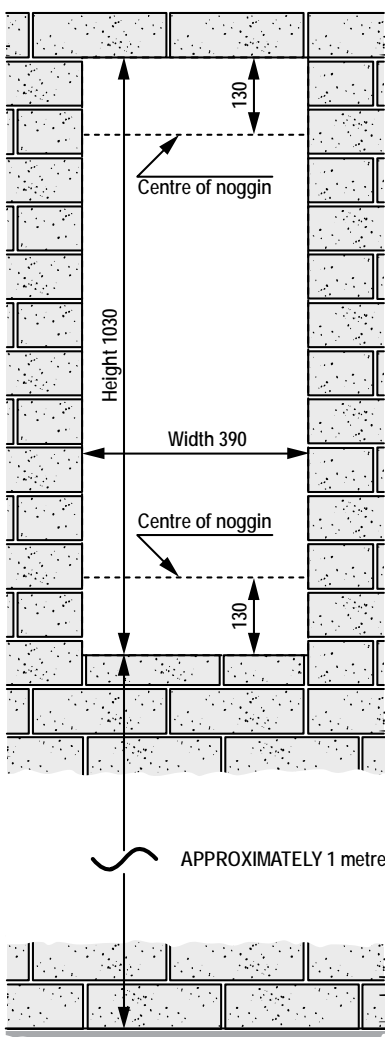


The Dux Endurance water heater serial and model numbers on the data plate located on the left hand side of the appliance **MUST BE** copied to the sticker on the inside of the RBP1 - 'ABS' cover. The serial and model numbers are required for future service work.

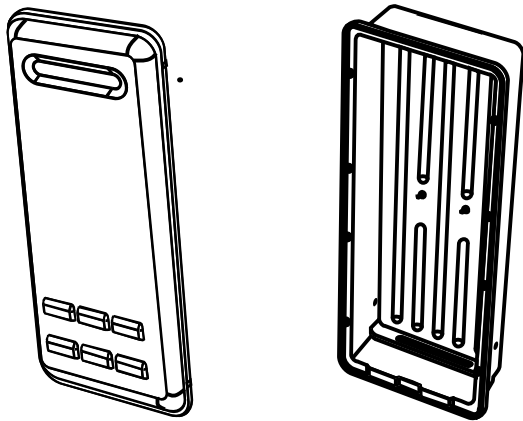
- Remove the two M5 Nyloc nuts ③ from the fixing studs ④ of the insert.
- Insert the upper mounting bracket ⑤ of the Dux Endurance water heater into the bracket slot ⑥ located at the top of the insert.
- Push the appliance up until the lower mounting bracket ⑦ aligns with the fixing studs ④ and secure in place with the two M5 Nyloc nuts ③ removed in step 5.
- Connect the Dux Endurance water heater in accordance with the Operation / Installation manual supplied with the water heater.
- An approved weatherproof electrical GPO can be fitted on either side inside the insert in accordance with AS/NZS 3000 Wiring Rules.
- Commission and test the water heater in accordance with the Operation / Installation manual supplied with the water heater.
- Attach the warning sticker that is supplied with these instructions to the front cover of the Dux Endurance water heater.
- Install the RBP1 - 'ABS' cover by aligning it with the RBP1 - 'ABS' insert (the flue spigot hole is to be uppermost) and push into place ensuring that the 4 locking clips ⑧ have engaged securely.



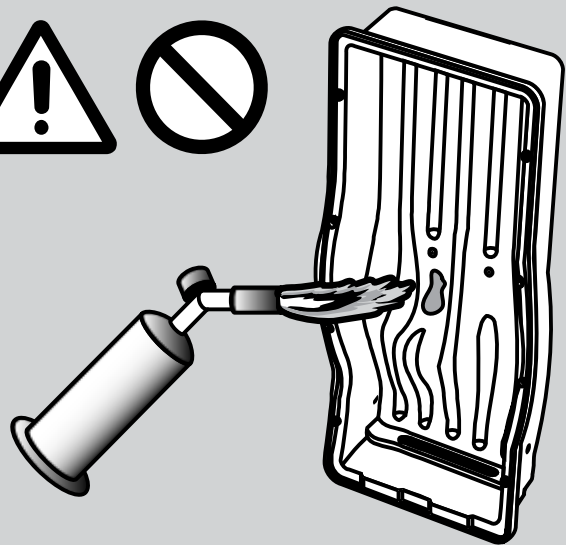
## DIMENSIONS



The RBP1 - 'ABS' Recess Box contains two (2) components, a cover and an insert.



If you DO NOT have both parts contact your supplier.

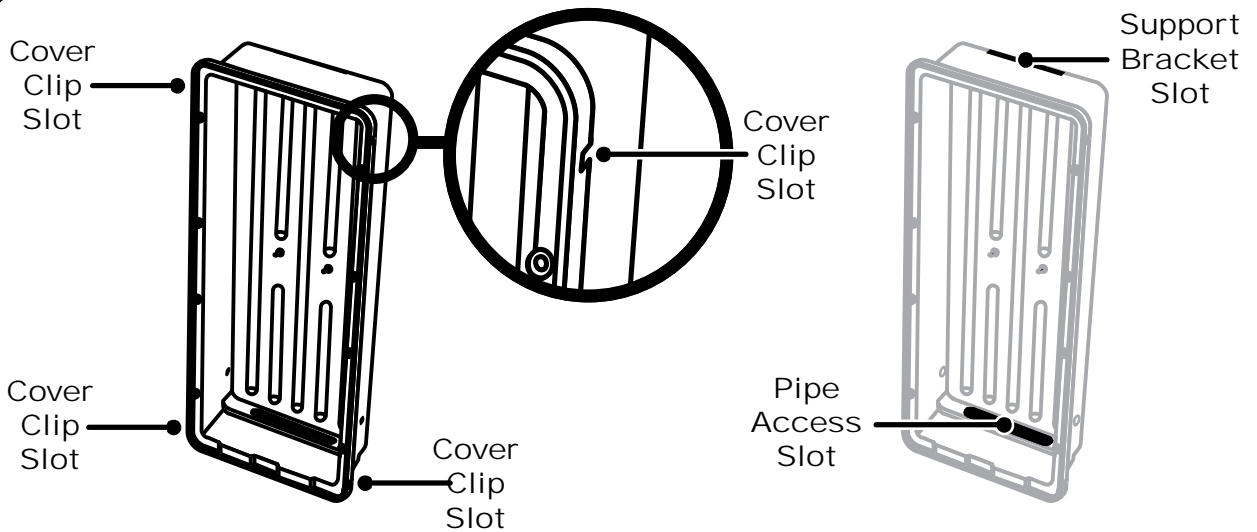


Take care to AVOID exposing ABS Recess Box components to ANY EXCESSIVE HEAT when welding pipes.

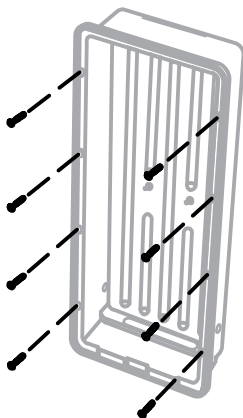


## DO NOT

Obstruct the slots provided for the Cover Clips, Support Bracket or Pipe Access

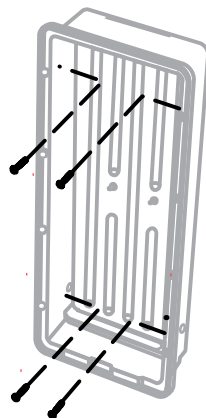


### Securing Method **(A)**



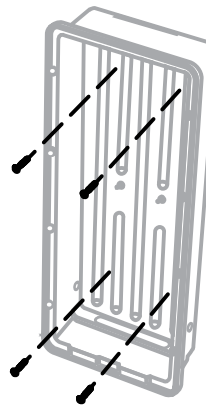
Securing the 'ABS' Recess Box Insert externally

### Securing Method **(B)**



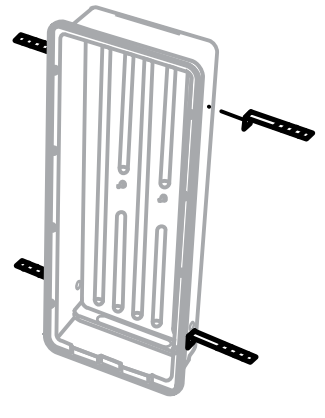
Securing the 'ABS' Recess Box Insert internally through the side wall

### Securing Method **(C)**



Securing the 'ABS' Recess Box Insert internally through the rear wall

### Securing Method **(D)**



Securing the 'ABS' Recess Box Insert with the use of brick ties

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