Instructions for Grohe In wall flushing systems

Installation requirements and Warranty conditions

1. The product must be installed by a qualified person in a manner prescribed by local & statutory regulations and to the manufacturers specifications.
2. Inlet valve WATER PRESSURE and pipe sizing must comply with AS3500-4 & Manufacturers specifications.
    I. Maximum 500kpa static.
    II. Minimum 100kpa dynamic.
3. Warranty is only valid if products are installed and operated in accordance with the manufacturers instructions.
4. Documents of purchase and installer compliance certificates need to be produced to validate the product is within the manufacturers warranty period.
5. Argent Australia Pty Ltd are the authorised distributor and warranty agent for these products.
6. Argent Australia Pty Ltd must be contacted to authorise any service with in the warranty period.

Grohe In wall Cistern Warranty

A. Fifteen (15) year warranty from the date of purchase for Residential installations.
B. Argent will undertake to rectify free of charge for parts and labor within the first five (5) year period any fault due to defects in materials, design faults or workmanship. This covers the frame and cistern.
C. An additional ten (10) year warranty applies for replacement parts due to defects in materials, design faults or workmanship. This includes the finish of all exposed surfaces. Labor is not included in this part of the warranty.
D. Mechanisms and pneumatic parts including actuator buttons are covered by a 2 year warranty.
E. Seals and washers being covered by a twelve (12) month warranty.
F. 15 Year Warranty applies to products purchased on or after the 1st November 2008 as evidenced by appropriate proof of purchase.
G. Regardless of interim service within that period, the warranty shall expire after fifteen (15) years from the date of original purchase.

Important notes

• WELS water restrictions are applicable to all WC toilets and flushing systems sold in the Australian market.
• All Grohe In-wall cisterns and frames are supplied with kee-seal and flush pipe to connect to wall hung and wall faced pans.
• Optional stabilizing support fixings to suit Grohe In-wall frames are available to secure to solid block / brick walls.
• A large range of vertical and horizontal flush plates are available to suit any Grohe In-Wall cistern or frame.

Installation instructions, table of contents

Argent

Argent technical help line 1800 356 717

Installation Instructions Grohe In wall flushing systems

Application wall hung toilets - 6/3 ltr and 4.5/3 ltr flush

38593B and 38830B

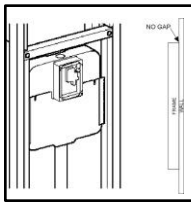
38558  wall mount bracket

38591B and 38828B

Code Number	Description	Frame	Pan type
38593B	In wall cistern standard height 6/3L	With frame	Suits wall hung pans
38830B	In wall cistern standard height 4.5/3L	With frame	Suits wall hung pans
38591B	In wall cistern low level 6/3L	With frame	Suits wall hung pans
38828B	In wall cistern low level 4.5/3L	With frame	Suits wall hung pans

Installation styles for cisterns with frames:

1. In wall (cavity) installation; or
2. Installation onto a solid brick, masonry or existing solid wall.



Ensure that there is NO GAP between the frame and the finished wall, otherwise wall and pan will flex

Frame positioning and fixing

I. Position the frame into the cavity so that the front of the frame is flush with the front of the studs, and will end up hard against the internal wall lining when sheeted.

II. For Cavity brick or solid wall installations, an optional wall mount bracket is available. Product code is 38558, instructions for its use are included with this bracket.

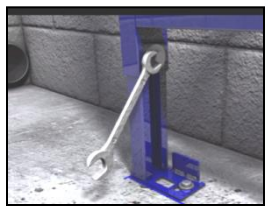
III. Fix the frame to the floor using the coach bolts. Use masonry anchors where required. Loosen the bolts securing the adjustable feet at the base of the frame and lift the frame height to match the height from the finished floor to match the specifications of the WC pan being used.

IV. Solid fixing of the frame –The frame will support 400KG's; however, it is only as strong as what it is fastened to.

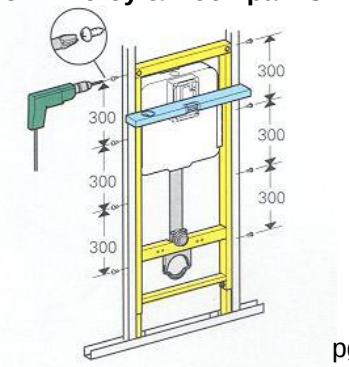
Important note 1: The finished floor height is the height of the floor after bedding and tiling has been completed; this can be significantly higher than the original floor height during rough in stage. You must allow for the thickness of floor tiles and any additional bedding substrates used when adjusting the frame to the specified height for the WC wall hung pan.

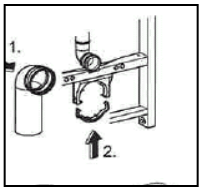
Important note 2: There is a height marking etched into the top LHS of the cistern frames. Make a mark on the studs/ wall at a height of 1000mm for standard height cisterns (or 700 mm for low level cisterns) from **the finished floor height (Refer Important note 1)** and set the cistern height to this mark. The frame is now set to the suitable height for all Villeroy & Boch wall hung pans.
Check product specification sheet height, to confirm this measurement if a non Villeroy & Boch pan is being used.

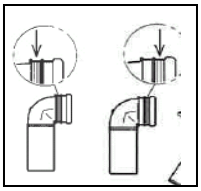
V. Retighten the adjustable feet bolts and fasten the frame securely to the studs/upright supports.
In wall cavity (stud wall) installation, the frame must be fixed to the studs.



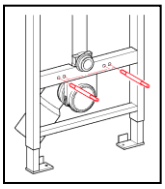
The frame is only as secure as the supports/ wall to which it is fastened.







Sewer Connection



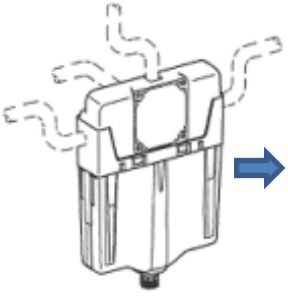
Pan support studs

VI. The outlet bend has 2 fixing locations for the sewer bracket into the frame. The sewer pipe connection bracket can be removed and reverse fitted. With this option it is possible to have a range of in wall set outs from the front of the frame to the centre line of the sewer connection from 80mm to 110mm at 10mm increments.

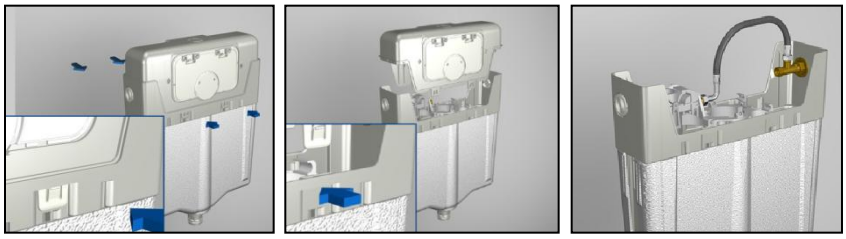
VII. Once you have determined your set out, insert the black sewer bend into the outlet adaptor and clip the top of the bend into the sewer bracket on the frame. **Please Note: Use an approved fitting to connect the black outlet adaptor to the DWV sewer pipe. e.g. Plumb Quick or Fernco rubber couplings. Please check for local plumbing approvals.**

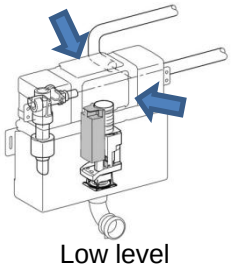
VIII. Fit the supplied all thread pan support studs at either 180mm or 230mm centres; **check your toilet pan specifications first.** All Villeroy & Boch pans are 180mm centres. Fit the tiling templates supplied to both the sewer and flush pipes.

Water Connection



Mid level





Low level

IX. For mid level cisterns there are 4 water entry point options available and 2 options for low level cisterns . **The RH side entry point is recommended because the inlet valve is factory set to suit this option.**

X. If a LH side entry is preferred then the inlet valve & bracket can be easily unclipped and repositioned on the opposite side

XI. Mid level cistern: The top of the cistern can be removed (for easy access) if side water connection is being installed. Low level cistern access is from the front and top via flush plate holes

XII. The isolation cock must be positioned inside the cistern and accessible to turn “OFF and “ON via the front entry maintenance panel (flush button position)

XIII. Flush the water lines before connecting water to the inlet valve.

XIV. Caution: Any debris that falls into the cistern during installation must be removed and the cistern cleaned and flushed. Flushing performance and warranty will be affected if this is not undertaken.

Testing the cistern operation

XV. Remove the dust cover from the front of the cistern and remove the transit bracket.(this may have a red loop attached)

XVI. At this stage it is possible to fill the cistern with water and test the flush mechanism by temporally connecting the flush button

XVII. Test the half and full flush by flushing into a bucket

XVIII. While the cistern is full, check for water leaks

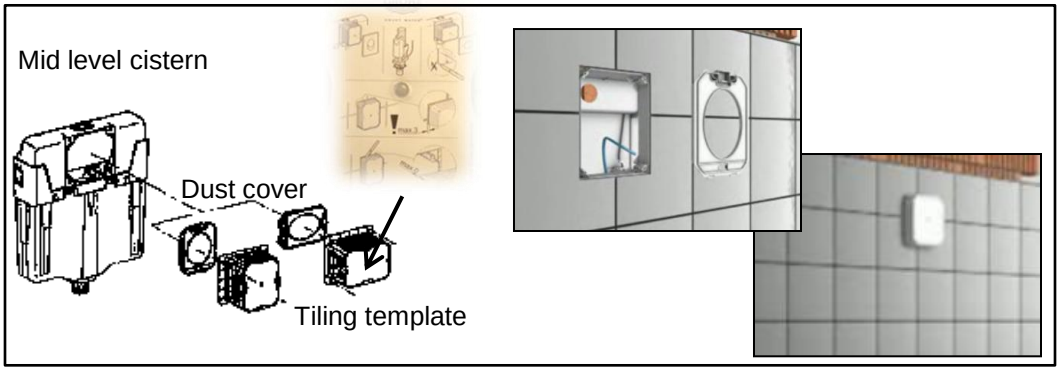
XIX. When testing is compete, empty the cistern and turn the isolation cock to the off position. Refit the cistern lid if removed on mid level cisterns

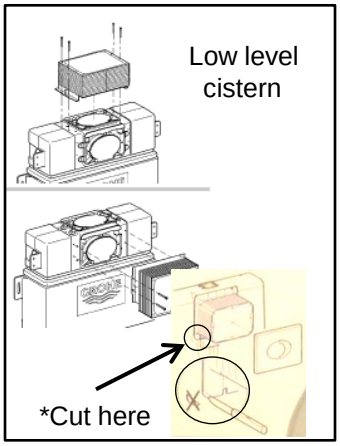
XX. PLEASE NOTE: REMOVE THE TRANSIT BRACKET FROM THE TOP OF THE OUTLET VALVE BY ACCESSING IT THROUGH THE FRONT OF THE CISTERN. THE CISTERN WILL NOT FLUSH IF THIS BRACKET REMAINS IN PLACE.

Fitting the tiling template in the 'flush plate' position

XXI. Punch out the centre of the dust cover and fit the dust cover and tiling template according to the instructions marked on the front of the template. The horizontal or vertical options are determined by the button supplied

XXII. Note: *When fitting for a horizontal flush button, it is necessary to cut one corner of the plastic tiling template to get the correct fit. See the diagram on the front of the tiling template





XXIII. The wall is now ready to be sheeted and tiled. Before progressing to this please review the installation checklist below.

Check list for correct installation prior to sheeting the wall

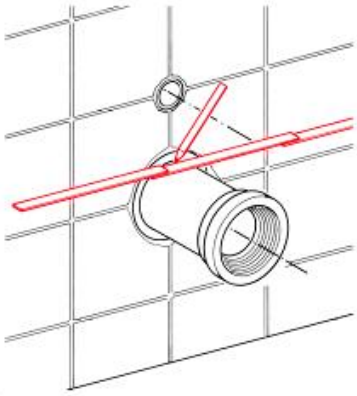
- ✓Frame position & height adjustment from the *finished floor level*
- ✓Solid fixing of the frame into the cavity and or onto the wall studs
- ✓Water connection entry into cistern
- ✓Cistern stop cock must be inside the cistern and accessible for maintenance
- ✓Flexible hose (water connection) must not foul cistern mechanisms
- ✓Transit bracket must be removed from top of flush valve
- ✓Dust cover and tiling template must be fitted correctly
- ✓Outlet and inlet flush pipe "Tiling templates" to be fitted
- ✓Pan support studs to be fitted in accordance with WC specifications

After wall sheeting and tiling has been completed, the wall hung pan is ready to fit off.

XXIV. Sewer and flush pipe to be cut and bevelled in accordance with instructions

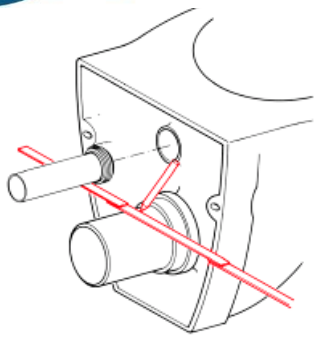
XXV. Final fit off, after tiling

- Fit outlet and inlet flush pipes into position
- Install WC pan and fixings
- Install flushing button
- Test operation



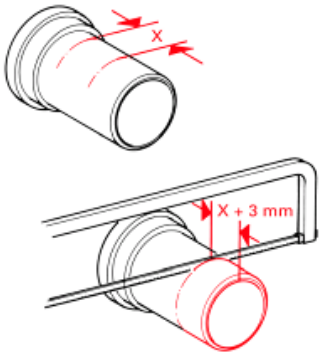
1

Insert both the black pan connecter and flush pipe into the cistern, mark where they cross the finished wall mark as per above diagram pipe



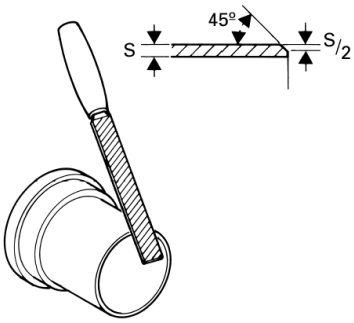
2

Remove and fit them into the pan with the inlet pipe kee seal fitted and mark where they cross the rear of the pan. NB Sewer connecter is not supplied with ‘cistern only’ purchase



3

Measure distance between marks and add 3mm. Cut pan connector & flush pipe as per diagram.

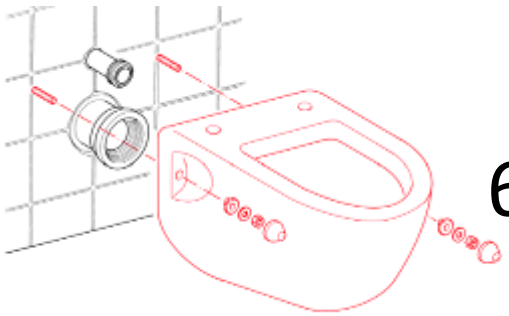


4

File chamfer on pan collar to aid ease of installation

5

Lubricate all ‘O Rings’ within the wall. Insert the inlet and outlet pipes



6

Fix pan onto frame with the supplied fixings. Models with concealed fixings have a silver bullet that is installed onto the all thread rods and an Allen key is used to fasten the pan from the side. *Torque setting for pan bolts max 8 NM (Newton-Meters).*

Installation Instructions Grohe In wall flushing systems

Cisterns only Installation (suits wall faced pans)

38594B and 38831B

38592B and 38829B

Code Number	Description	Frame	Pan type
38594B	In wall cistern standard height 6/3L	No frame	Suits wall faced pans
38831B	In wall cistern standard height 4.5/3L	No frame	Suits wall faced pans
38952B	In wall cistern low level 6/3L	No frame	Suits wall faced pans
38829B	In wall cistern low level 4.5/3L	No frame	Suits wall faced pans

Cistern positioning

I. Position the cistern on/ in the wall according to:-
- •The height that corresponds to the inlet pipe height to the wall faced pan (being used)
- • From the finished floor height.

II. Fasten the cistern to the wall / studs using the brackets

Please note: The finished floor height is the height of the floor after bedding and tiling has been completed; this can be significantly higher than the original slab height during rough in stage. You must allow for the thickness of floor tiles and any additional bedding substrates used when adjusting the frame to the specified height for the WC wall faced pan**.**

Water connection

III. For mid level cisterns there are 4 water entry point options available and 2 options for low level cisterns . **The RH side entry point is recommended because the inlet valve is factory set to suit this option.**

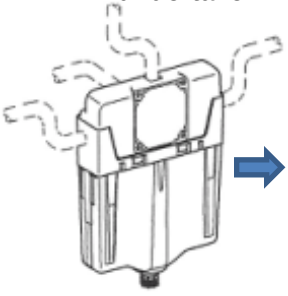
IV. If a LH side entry is preferred then the inlet valve & bracket can be easily unclipped and repositioned on the opposite side

V. Mid level cistern: The top of the cistern can be removed (for easy access) if side water connection is being installed. Low level cistern access is from the front and top via flush plate holes

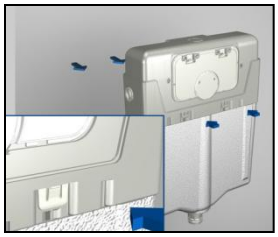
VI. The isolation cock must be positioned inside the cistern and accessible to turn “OFF and “ON via the front entry maintenance panel (flush button position)

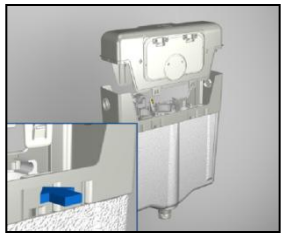
VII. Flush the water lines before connecting water to the inlet valve.

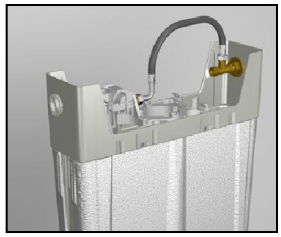
VIII. Caution: Any debris that falls into the cistern during installation must be removed and the cistern cleaned and flushed. Flushing performance and warranty will be affected if this is not undertaken.

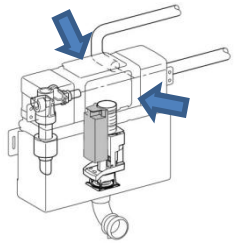


Mid level









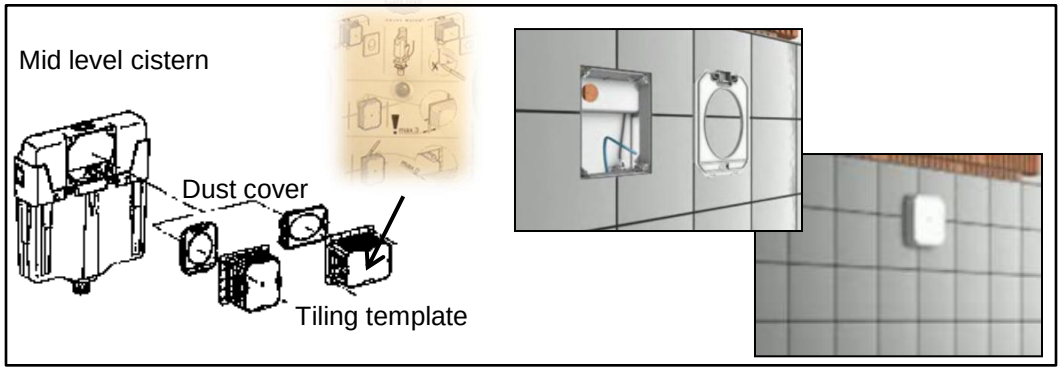
Low level

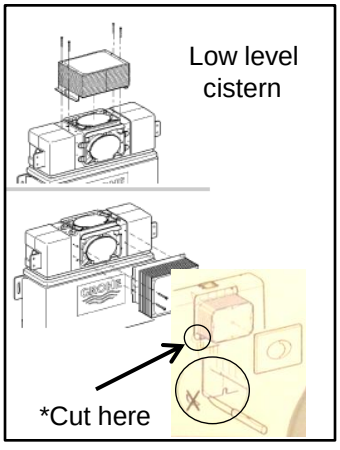
Testing the cistern operation

IX. Remove the dust cover from the front of the cistern and remove the transit bracket.(this may have a red loop attached)
X. At this stage it is possible to fill the cistern with water and test the flush mechanism by temporally connecting the flush button
XI. Test the half and full flush by flushing into a bucket
XII. While the cistern is full, check for water leaks
XIII. When testing is compete, empty the cistern and turn the isolation cock to the off position. Refit the cistern lid if removed on mid level cisterns
XIV. PLEASE NOTE: REMOVE THE TRANSIT BRACKET FROM THE TOP OF THE OUTLET VALVE BY ACCESSING IT THROUGH THE FRONT OF THE CISTERN. THE CISTERN WILL NOT FLUSH IF THIS BRACKET REMAINS IN PLACE.

Fitting the tiling template in the 'flush plate' position

XV. Punch out the centre of the dust cover and fit the dust cover and tiling template according to the instructions marked on the front of the template. The horizontal or vertical options are determined by the button supplied
XVI. Note: *When fitting for a horizontal flush button, it is necessary to cut one corner of the plastic tiling template to get the correct fit. See the diagram on the front of the tiling template





XVII. The wall is now ready to be sheeted and tiled. Before progressing to this please review the installation checklist below.

Check list for correct installation prior to sheeting the wall

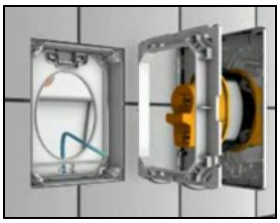
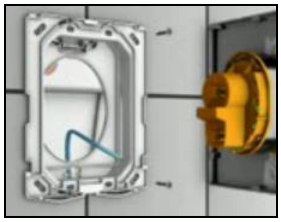
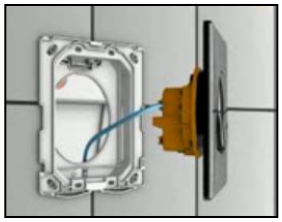
✓Cistern position & height from the *finished floor level* that corresponds to the inlet pipe height to the wall faced pan (being used)
✓Solid fixing of the cistern into the cavity and or onto the wall studs
✓Water connection entry into cistern
✓Cistern stop cock must be inside the cistern and accessible for maintenance
✓Flexible hose (water connection) must not foul cistern mechanisms
✓Transit bracket must be removed from top of flush valve
✓Dust cover and tiling template must be fitted correctly
✓Outlet flush pipe "Tiling templates" to be fitted

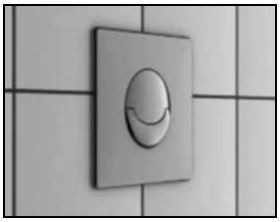
Installing the flush plate

XVIII. Cut the tiling template flush with the finished wall.
XIX. Attach the button bracket to the tiling template and screw into place with screws that have been provided.
XX. Connect the blue air hose from the outlet valve to the nipple on the back of the full flush button. Fit the flush button into place
XXI. When attaching the flush button bracket to the cistern, ensure that the plastic spring device is facing toward the right side for a horizontal flush plate OR facing toward the bottom for a vertical flush plate. This will ensure that the logo on the chrome flush button is in its correct position.

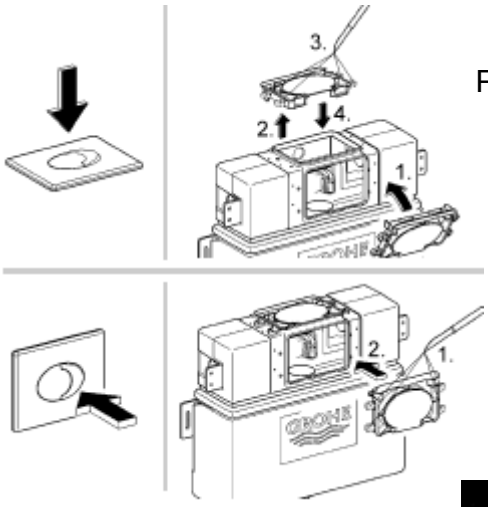
Mid level
Front press only

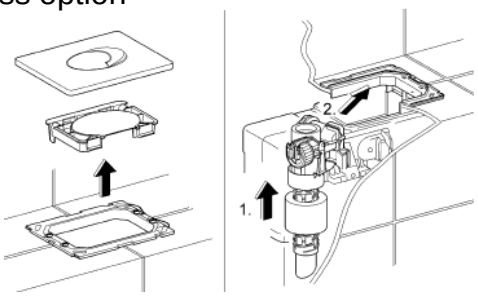




Low level
Front press OR Top press option





Note: if installing ‘Grohe Nova Light’ then pre-wiring will be required prior to sheeting and tiling walls

If you have any questions call the Argent technical help line on 1800 356 717