

Fitting the GW615 waterless urinal cartridge



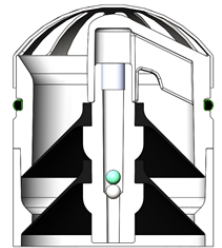
1. Place a bucket under the urinal.
2. Disconnect the trap from the underside of the existing waste outlet and dispose of it. **YOU DON'T NEED A TRAP!**
3. Remove the backnut and washer from the existing waste outlet and dispose of them. Remove the outlet from the bowl and dispose of it.
4. Remove old sealing compound from the drain hole of the bowl and thoroughly clean all urinal surfaces. **TIP:** This is also a good time to clean the underside of the bowl.
5. The GW615 waste outlet is 80mm long with a gap in the thread at 50mm. If necessary, cut to the desired length using a pipe cutter.
6. Take the GW615 waste outlet and apply an appropriate sealing material (e.g. plumbers putty, silicone sealant) around the underside of the flange on the GW615 waste outlet.
7. Push the outlet into the drain hole in the urinal bowl, ensuring that you have used sufficient sealing material to achieve a good seal.
8. Secure the GW615 waste outlet by placing the rubber sealing washer and the backnut over the tail of the waste, then hand tighten.
9. Hold the GW615 waste outlet stationary and **HAND TIGHTEN the backnut** to secure the waste outlet. **DO NOT USE GRIPS OR OTHER TOOLS TO TIGHTEN AS THIS MAY "SQUEEZE" THE WASTE OUTLET AND MAKE IT DIFFICULT TO REMOVE THE VALVE CARTRIDGE.**
10. Remove excess sealing material from around the waste outlet inside the bowl. **TIP:** A blunt knife blade or flat head screwdriver tip can be used to remove plumbers putty, or a cloth to remove silicon sealant.
11. **With GW615, there is no requirement to fit a bottle trap or other type of trap between the urinal and the waste pipes. Instead, a straight connector or 90° bend should be used to connect the GW615 waste fitting to the existing waste pipes. PLEASE NOTE** that some pipe reconfiguration may be needed in order to achieve connection. **TIP:** Rather than just "make good", it is best practice to replace the urinal waste pipes in their entirety as this can resolve poor configuration or inadequate "fall", making future maintenance easier.
12. Once you are satisfied that the GW615 waste is secure and the pipes are properly connected, pour a couple of litres of warm water into the urinal bowl and check for leaks.
13. If leaks are detected, take appropriate steps to remedy.
14. If no leaks are detected, check that the GW615 Valve Cartridge can be easily removed. To do this:
 - a. slot the special removal tool (key) into the stainless steel cap
 - b. turn the tool anticlockwise (left) to disengage from the bayonet tabs inside the waste outlet.
 - c. Carefully pull the cartridge out from the waste outlet. Note that resistance will be felt due to the presence of an o-ring around the cartridge.
 - d. If you cannot remove the cartridge, then the waste outlet may have been over tightened. Check and slacken off as necessary, ensuring that there are no leaks.
15. To replace the cartridge:
 - a. Place the cartridge into the waste and rotate it until you feel it catch on the bayonets.
 - b. Push down until the rim of the stainless steel cap is flush with the tip of the waste outlet.
 - c. Insert the removal tool and turn it clockwise (right) to engage the cartridge over the bayonets.
16. When you are satisfied that the waste fitting is secure, that there are no leaks and that the cartridge can be easily removed, clean the bowl surfaces with an appropriate cleaning product. Ensure that the underside of the bowl is also cleaned. Then the GW615 Waterless Urinal is ready to use.

Cleaning and Maintaining GW615 Waterless Urinal Cartridges

The GW615 waterless urinal cartridge is fitted in a wide range of ceramic urinal bowls. As no water is used, strong cleaning chemicals, should be avoided as they may reduce the life of the cartridge.

Regular Cleaning

- Follow the normal cleaning procedure applied to flushed urinals.
- (optional) After cleaning, pour the equivalent of a cup of water or cleaning solution into the bowl to check free flow and ensure the valves in the cartridge are clean.
- The GW615 is tolerant of most standard cleaning products, including those that contain 5% acid and bleach. However, products containing strong acids (pH < 4) and strong alkalis (pH > 10) should be avoided as they can shorten the life of the silicone valves in the GW615 cartridge.



Recommended Maintenance for Waste Pipes

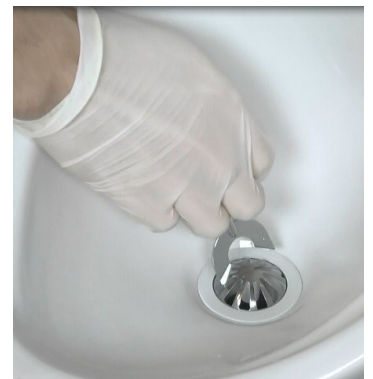
- Because hair and dirt particles can enter the drain, and uric acid salts can build up around them over a long time, it is recommended to pour warm water, mixed with a cleaning agent, into the drain every 2 to 4 weeks.



Replacing the GW615 cartridge

After 6 months, or when odour is noticeable, the GW615 cartridge should be replaced. A small metal tool is provided.

- Clean the valve by pouring warm water mixed with some cleaning chemical into the urinal waste
- Slot the tool into the stainless steel grill and twist left (anti-clockwise) to unlock the cartridge, then gradually pull out the used cartridge and dispose of it.
- Insert the new cartridge into the waste outlet, then twist and push until the cartridge drops into place and the gaps in the grill are level with the surface of the urinal bowl, so fluid will not pool.
- Lock the cartridge into place by slotting the metal tool into the grill and twisting right (clockwise).



Troubleshooting

If there are odours coming from the urinal:

1. Pour warm water mixed with cleaning agent into the drain to clean the valve of any debris.
2. *If odours still noticeable*, change the GW615 cartridge.

NOTE: If a plunger or drain cleaning acids have been used with the cartridge fitted, it will need replacing because the valves will have failed.