

Purleve No Water Urinal Maintenance and Plug Removal Procedures

The following provides basic Maintenance and Plug Removal procedures for No Water and Water Urinals using Purleve's Two Step Plug Removal system.

Purleve Plug Remover Part A and Part B: The Purleve™ Plug Removal System for Urinal Drains is a specially formulated drain care system for both no water and low flow flush urinals. This two part system safely and effectively removes a wide variety of drain plugging debris, including uric salts, struvite, hair and other organic debris that builds up over time in urinal trap ways and piping. Compared to snaking and removing the urinal from the wall, this is a low cost and low hassle alternative for clearing a plugged urinal.

Part A: Acid De-Scaler

- Product works quickly on removing calcium/magnesium-based soils like calcium phosphate, struvite and scale that can build up in urinal trapways, wall junctures and sewer piping.
- Considered to be non-corrosive to skin (although it is corrosive to eyes, so use eye protection)
- When diluted, inhibited formula is non-corrosive to steel and cast iron, and will not harm vitreous materials.
- Simple neutralizer of baking soda is all that is needed to neutralize acidity into non-hazardous by-products (in case of big spills). Wipe up or rinse small spills or drips.
- Product is compatible with neutral pH urinal cleaners with no adverse chemical reactions expected. However, it is NOT compatible with alkaline products or those containing bleach or chlorine.

Part B: Enzymatic Trap Cleaner

- Uses enzymes which are naturally occurring, considered to be non-pathogenic and are long proven in waste-water treatment applications.
- Unlike harsh caustic-based drain openers, this product is considered to be non-hazardous and noncorrosive to skin, making it safer for workers, urinals, and piping.
- Unlike chemical drain cleaners that react with the soils and can get used up, enzymes keep working until the buildup is removed.
- Enzymes can have beneficial effect by removing solids in down line sewer piping.
- Unlike other micro-organisms that can form a bio-film ultimately leading to pipe corrosion, these enzymes prefer not to form a bio-film and can help to reduce trap/piping odor.

NO OTHER PRODUCTS OTHER THAN THOSE LISTED SHOULD BE USED ON THE NO-WATER URINALS. FAILURE TO COMPLY WITH THESE INSTRUCTIONS COULD RESULT IN DAMAGE TO THE URINALS OR NEGATIVELY IMPACT OTHER OPERATIONS

Monthly or Quarterly Purleve Plug Remover Chemical System

Purleve Plug Remover is a combination product that consists of an acid descaler (Part A) and an enzyme based solution (Part B) that is used to chemically clean blockages that occur in the trap and PVC piping connected to the urinals. As part of our No-water Urinal Preventive Maintenance Program, it's recommended to flush the system with the Plug Remover solution quarterly to reduce the build-up of crystals and accumulation of debris within the urinal trap and piping. Follow the instructions below:

- This procedure will be carried out monthly or quarterly (driven by traffic in washroom / urinal).
- If debris is present, remove prior to using system.

- First, add Plug Remover Part A directly into urinal drain. Allow the acid treatment to stand for 5 to 10 minutes. Do not allow urinal to overflow or spill acid cleaner onto any surface. If it does spill, neutralize with baking soda or rinse with fresh water immediately.
- Quickly pour one gallon of fresh water directly into the drain. Do not let the urinal overflow. This will purge the residual acid treatment.
- Second, add Plug Remover Part B approved enzyme-based activated trap cleaner to the urinal.
- Do not rinse after the Part B. Allow the material to sit in the trap.

Removal of Plugged / Clogged Urinal Procedure

METHOD ONE: Chemical Method using Purleve Plug Removal System

- If debris is present, remove prior to use of Purleve Products.
- Add Purleve Plug Buster Part A directly into urinal drain. Allow the acid treatment to stand for 5 to 10 minutes. Do not allow urinal to overflow or spill acid cleaner onto any surface.
- Quickly pour one gallon of water directly into the drain. Do not let the urinal overflow. This will purge the residual acid treatment. If the urinal fails to drain properly, repeat the acid treatment step or proceed directly to Mechanical Methods below.
- Once some flow is restored to the urinal, add Purleve Plug Buster Part B approved enzyme-based activated trap cleaner to the urinal.
- Do not rinse after the Part B. Allow the material to sit in the trap.

If this approach does not resolve the issue, use of 'snake' or removal of urinal from the wall might be the only solution.

Helpful Hints for Use: Read and understand all MSDS before using any chemical products.

- It is more effective to treat the urinal when it is slow draining and not completely plugged.
- Heavy trap build up may require more than one consecutive treatment cycle.
- Taking the urinal off line for treatment over 24 – 48 hours is most effective, but not necessary.
- Urinals can be treated and returned to use in about 20 minutes if needed.
- As preventative maintenance, regular monthly use of the Purleve's System on both no-water and low flow flush urinals can significantly reduce frequency of plugging, urinal downtime and odor.

Read and understand the Material Safety Data Sheet before using any Purleve products. The information presented is believed to be accurate and correct. It is the sole responsibility of the customer to determine whether the product is suitable for the customer's specific use. Purleve makes no warranties, expressed or implied, regarding the product or any information contained herein. Purleve disclaims any liability against infringement of any patent by reason of customer's use of any Purleve products in combination with other materials or processes.