



UNDER-SINK COFFEE GROUNDS INTERCEPTOR

Microceptor®

Owner's Manual





MICROCEPTOR®
OWNERS MANUAL

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1 Microceptor Overview

The Microceptor™ is a unique under-sink interceptor engineered to remove coffee grounds that would otherwise enter the drainage pipe and collect over time causing drain blockages. The Microceptor is ideal for coffee sinks or bar sinks that are primarily used for rinsing of coffee equipment.

2 Components and Operation

The Microceptor is constructed of polypropylene and consists of two main components:

1) the Manifold and 2) the Solids Chamber (see Figure 1).

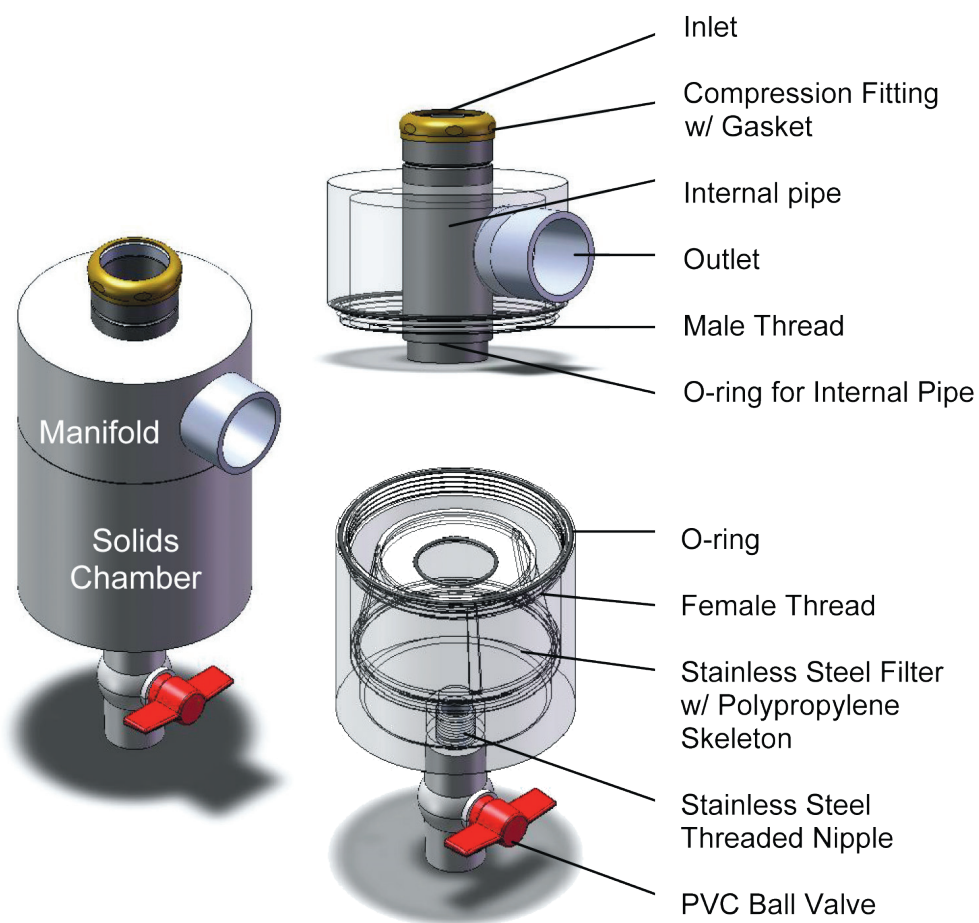


Figure 1 : Microceptor Components

2.1 THE MANIFOLD

- A) Inlet connects to the sink drain by a 1 ½ inch (37.5 mm) compression fitting;
- B) Outlet connects to the drain pipe by a 1 ½ inch (37.5 mm) fitting (supplied by others);
- C) Threads into the Solids Chamber and is sealed by an o-ring; and
- D) Is 5 inches (127mm) in diameter.

The Manifold takes water and solids from the sink drain through an inner pipe (1 ½ inch or 37.5 mm in diameter) to the Solids Chamber by gravity flow. Filtered water is directed upwards through the manifold and out through the outlet pipe (1 ½ inch or 37.5 mm).

2.2 THE SOLIDS CHAMBER

- A) Threads into the Manifold and is sealed by an o-ring;
- B) Houses a removable cone filter with stainless steel wire mesh and a polypropylene skeleton;
- C) Has a ½ inch (12.5 mm), PVC ball valve (**normally closed**) threaded into the base of the Solids Chamber by a ½ inch (12.5 mm) stainless steel nipple;
- D) Is 5 inches (127 mm) in diameter;
- E) Is 4 ½ inches (110mm) in height (excluding drain valve);
- F) Has a solids retention capacity of 20 oz. (0.6 liter);
- G) Is constructed of polypropylene; and
- H) Is translucent such that the solids level in the chamber can be observed.

Water and solids from the sink drain flow by gravity through an inner pipe (1 ½ inch or 37.5 mm) through a hole in the top of the filter (1 ½ inch or 37.5 mm). The inner pipe terminates after the filter and water and solids are released into the solids chamber. Water flows uniformly upward through the filter while solids are captured below the filter or settle by gravity to the bottom of the Solids Chamber.

3 Installation

The Microceptor is installed immediately underneath a sink where coffee grounds are typically washed down (see Figure 2). To install the Microceptor:

1. Unscrew the top and bottom of the body. Ensure the filter is in place in the top half of the body, slip fit over the internal pipe.
2. Screw the manifold and solids chamber back together.
3. Ensure the ½ inch (12.5 mm) **ball valve** on the bottom of the unit is **CLOSED**.
4. Connect the 1 ½ inch (37.5 mm) compression fitting located at the inlet pipe sink drain pipe. Tighten the fitting sufficiently, considering the weight of the water in the unit. Do not over torque.
5. Connect the 1 ½ inch (37.5 mm) outlet of the unit to the drain pipe with a flexible coupling.

Leak test the unit by running water down the drain. Adjust connections if necessary.

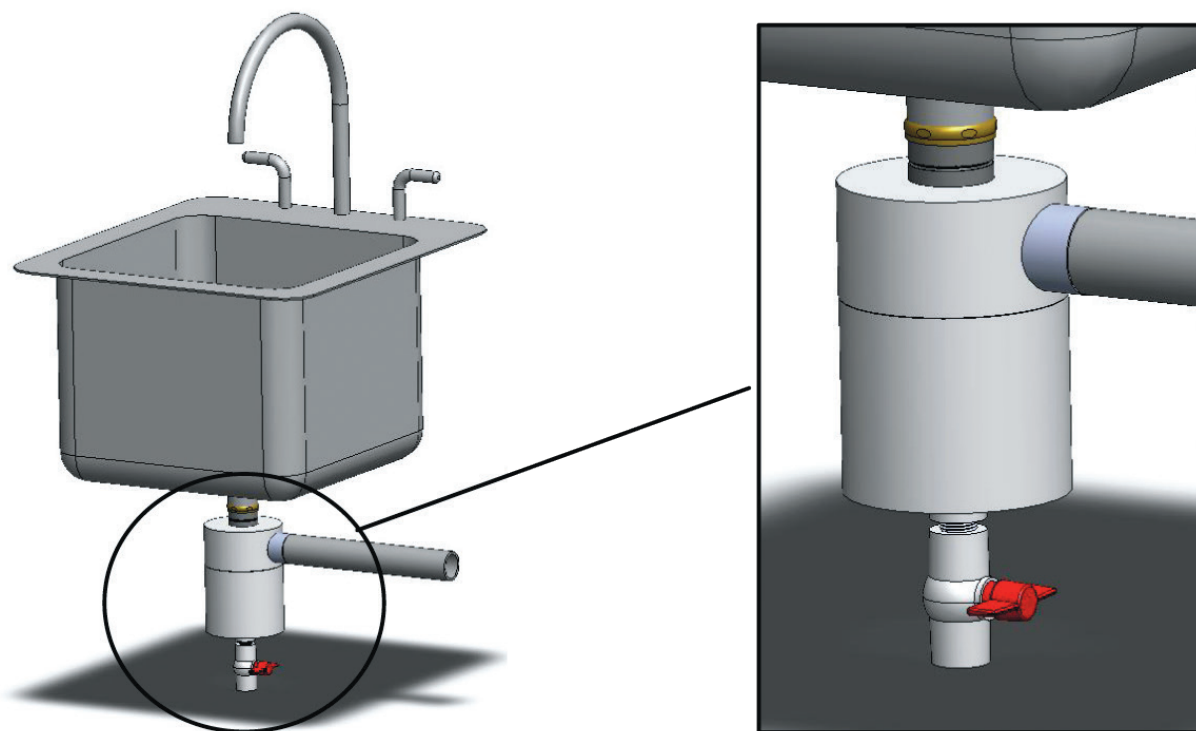


Figure 2 : Microceptor Installed Under Sink

IMPORTANT NOTE: For new build installations, do not install a p-trap down upstream or downstream of the Microceptor. Where a pre-existing p-trap is located below the sink, and where the Microceptor will be placed between the sink and the p-trap, the installer is instructed to drill a ¼ inch (6 mm) hole in the **internal pipe** above the standing water line as close to the obvert of the outlet pipe as possible (see Figure 3).

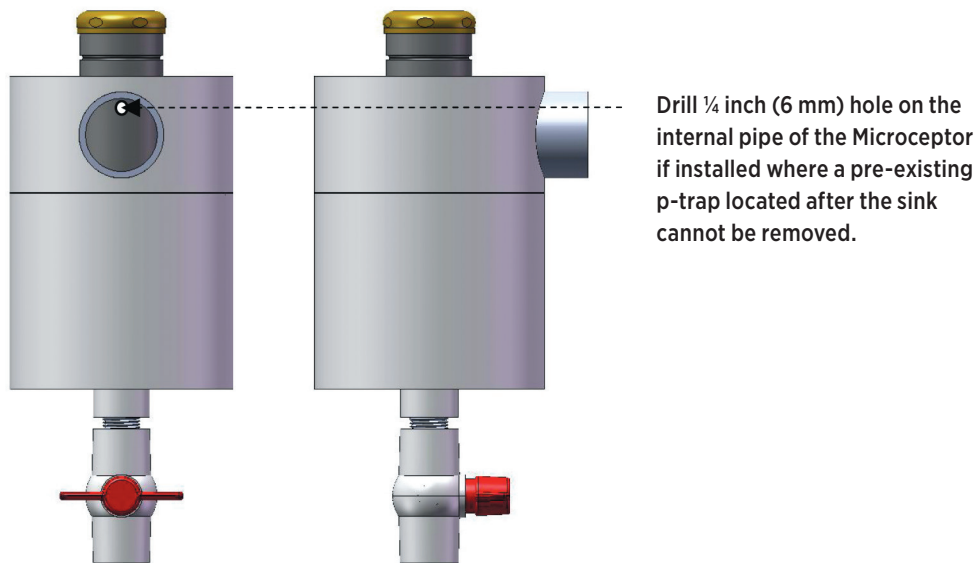


Figure 3 : For Retrofit Installations where pre-existing p-trap located after the sink cannot be removed.



4 Maintenance

To ensure efficient operation, daily maintenance is recommended. If the solids chamber becomes completely filled with solids, water will back-up into the sink. To maintain the Microceptor you will need a strainer and a minimum 2L (or 2 quarts) container:

1. Place a container, at least 2L (2 quarts) in volume, under the ball valve located on the bottom of the unit.
2. Position a strainer on top of the container to catch the solids.
3. Make sure there is no flow into the sink.
4. Open the ball valve and allow the unit to drain out into the strainer and container.
5. Dispose of the solids captured on the strainer in the garbage. Discard the remaining liquid down an operable sink.
6. To clean out the remainder of the solids in the solids chamber position the strainer and container under the ball valve. Turn on the tap to allow low flow of water to drain down the sink and move through the solids chamber to flush out the remaining gritty material. Turn off the tap when the unit is clean. Repeat as necessary.
7. Close the ball valve after cleaning. **Make sure the ball valve is closed before operating the sink.**

The internal filter can be cleaned after the regular maintenance by carefully unscrewing the solids chamber from the manifold. Care should be exercised when doing so. Hold the manifold firmly to prevent movement, hold the body of the solids chamber and twist to unthread from the manifold. Remove the filter and rinse it clean in another operable sink. Also rinse out the solids chamber as necessary. Reinstall the filter, screw the solids chamber back onto the manifold and close the ball valve before operating the sink.

5 Warranty

This warranty is provided by Zurn Green Turtle Technologies Ltd. for products sold in Canada, and by Zurn Green Turtle Americas Ltd. for products sold in the continental U.S. Although the companies are collectively referred to herein as “Zurn Green Turtle,” each company only warrants products sold in its respective market. Microceptor coffee grounds interceptors are not intended for residential or consumer use, and may not be purchased or sold for those applications. Zurn Green Turtle warrants to the original purchaser that all Microceptor coffee grounds interceptors purchased from Zurn Green Turtle will be free from defects in materials and workmanship for a period of one (1) year following the date of initial delivery to the purchaser, subject to the terms and conditions below.

Upon submission of a warranty registration card to Zurn Green Turtle by the owner in the first thirty (30) days of ownership, Zurn Green Turtle further warrants that if the Microceptor is installed, operated, and maintained in accordance with Zurn Green Turtle instructions and applicable state/provincial and federal regulatory requirements, the Microceptor devices:

1. Will not leak for a period of ten (10) years from date of initial delivery due to natural external corrosion.
2. Will not leak for a period of ten (10) years from date of initial delivery due to internal corrosion, provided the Microceptor is used solely for the treatment of commercial/institutional kitchen wastewater (other applications, including but not limited to residential and consumer applications are not covered by this warranty).
3. Will not leak for a period of ten (10) years from date of original delivery due to structural failure, which shall be defined as spontaneous breaking or collapse.

All of the warranties herein are subject to the following conditions:

1. The Microceptor is installed, operated, and maintained in accordance with the Microceptor Installation Instructions and Microceptor Owner's Manual.
2. There are no post-installations or repairs of the original Microceptor.
3. The original installation has been carried out in Canada or the United States.
4. The original installation was performed following the Microceptor installation procedures by a trained contractor with all his/her required registrations, certificates and/or licenses, to complete the installation, repair or alteration in accordance with recognized industry practices and applicable regulatory requirements.
5. The Microceptor has been operated and maintained in accordance with regulatory requirements designed to minimize the possibility of structural failures and releases of regulated substances.
6. The Microceptor shall not be installed or used in any application other than commercial, industrial, or institutional use.
7. If the Microceptor is remanufactured, moved, or removed from the installation for any reason prior to the expiration of this warranty, the structural warranty protections will terminate unless the Microceptor is inspected, repaired (as necessary), and re-certified by Zurn Green Turtle and, upon reinstallation, the purchaser continues to satisfy the other conditions of the warranty.
8. The sole warranty for accessories, including but not limited to covers, is that they are warranted for a period of one (1) year against defects in materials and workmanship from date of shipment.
9. Consumable parts including but not limited to gaskets and o-rings are excluded from this warranty.



10. Customer assumes the risk of and agrees to indemnify Zurn Green Turtle against and hold Zurn Green Turtle harmless from all liability relating to (i) assessing the suitability for Customer's intended use of the Microceptor and of any system design or drawing and (ii) determining the compliance of Customer's use of the Microceptor with applicable laws, 10. Customer assumes the risk of and agrees to indemnify Zurn Green Turtle against and hold Zurn Green Turtle harmless from all liability relating to (i) assessing the suitability for Customer's intended use of the Microceptor and of any system design or drawing and (ii) determining the compliance of Customer's use of the Microceptor with applicable laws, regulations, codes and standards. For Microceptors resold by Customer, Customer retains and accepts full responsibility for all warranty and other claims relating to, or arising from, Customer's Microceptor system which includes or incorporate Microceptor or components thereof manufactured or supplied by Zurn Green Turtle, and Customer is solely responsible for any and all representations and warranties regarding the Microceptor system made or authorized by Customer. Customer will indemnify Zurn Green Turtle and hold Zurn Green Turtle harmless from any liability, claims, loss, cost or expenses (including reasonable legal fees) attributable to Customer's Microceptor system or representations or warranties concerning same.
11. ZURN GREEN TURTLE'S LIABILITY UNDER THIS WARRANTY IS LIMITED, AT ZURN GREEN TURTLE'S DISCRETION, TO REPAIR THE DEFECTIVE MICROCEPTOR, TO REPLACE MICROCEPTOR IN EXCHANGE FOR THE DEFECTIVE TANK, OR TO REFUND OF THE ORIGINAL PURCHASE PRICE. ZURN GREEN TURTLE IS NOT LIABLE FOR ANY LABOR, SHIPPING, OR OTHER INSTALLATION COSTS, AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, PUNITIVE, CONSEQUENTIAL OR OTHER DAMAGES IN CONNECTION WITH SUCH MICROCEPTOR INCLUDING, WITHOUT LIMITATION, COSTS, EXPENSES, OR LIABILITIES ASSOCIATED WITH ENVIRONMENTAL CONTAMINATION, FINES OR PENALTIES, FIRES, EXPLOSIONS, OR ANY OTHER CONSEQUENCES ALLEGEDLY ATTRIBUTABLE TO A BREACH OF THE WARRANTY OR DAMAGES UNDER DECEPTIVE TRADE PRACTICES OR SIMILAR CONSUMER PROTECTION ACTS. THE FOREGOING CONSTITUTES ZURN GREEN TURTLE'S EXCLUSIVE OBLIGATION AND ZURN GREEN TURTLE MAKES NO EXPRESS OR IMPLIED REPRESENTATION OR WARRANTY, OR ANY WARRANTY OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSES WHATSOEVER. NO EMPLOYEE OF ZURN GREEN TURTLE OR ANY OTHER PARTY IS AUTHORIZED TO MAKE ANY OTHER REPRESENTATIONS OR WARRANTIES OTHER THAN THE WARRANTY SET FORTH HEREIN.

⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov
⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - www.P65Warnings.ca.gov
⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction -
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