

## Rat Blocker Installation Instructions

Rat Blockers are designed to stop rats travelling through drains and are installed into pipes within inspection chambers (manholes). They are usually installed into the drain outlet, but can be easily configured to be fitted into a drain inlet.

Rat Blockers allow rats to pass freely downstream, but protect property by preventing their movement upstream. By installing a Rat Blocker into the drain outlet all up stream branches are protected.

Rat Blockers are robust stainless steel devices and are held securely in place with a tight friction fit. Due to their design Rat Blockers from Metex cannot become lost into the drainage line.



## Installation Instructions

Ratwall installation is easiest when using the optional installation pole.

Remove the cover of the manhole then flush a toilet to inspect the drain operation.

Holding Ratwall in one hand, gently compress the diameter while screwing the installation pole onto the large thread. Screw the installation pole down firmly to hold the body in compression.

Holding the installation pole, Ratwall may now be lowered into position within the manhole chamber and inserted into the pipe in the manner described above. With Ratwall in place unscrew and remove the installation pole. Test to ensure that the flap is free to move and that it opens in the direction of flow.

Test the drain carefully by flushing the toilet 3 times with toilet paper and visually ensure that the paper and water pass the rat blocker.

## Installation without the Installation Pole

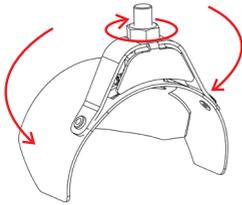
Installation without an installation pole may be done by following the steps above and using the supplied nut instead of the installation pole to hold the unit in compression. Once the Rat Blocker is located in its place in the pipe the nut should be fully loosened using a 17mm spanner.

## Installation into Chamber Inlet – Orientation of Flap

Ratwall is factory configured to work within a chamber outlet, but can be re-configured to protect a chamber inlet (with or without installation pole), by undertaking the following steps:

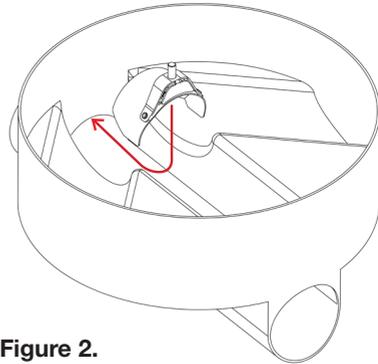
Using a 2.5mm Allen Key remove the top brace piece. Remove the pivot pin (or pivot bolt and nut). Rotate the flap by 180 degrees and secure it in place with the pivot pin (or pivot bolt and nut), taking care that it remains free to swing with no resistance. Install the brace in its original position with the two screws.

**Illustrated Installation Instructions**

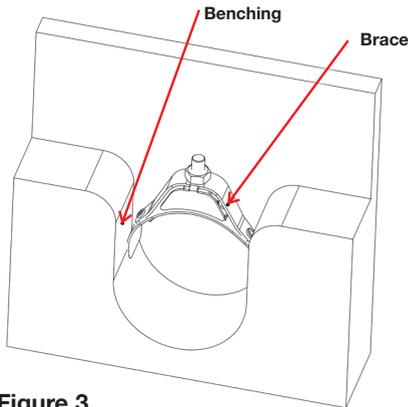


**Figure 1. Compression**

Tighten nut or use the optional installation pole to compress the body of the unit, for an easy fit

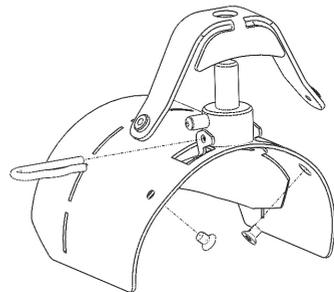


**Figure 2. Ratwall installation into chamber**



**Figure 3. Benching**

Remove Ratwall brace if uneven benching prevents an easy installation



**Figure 4. Brace removal**

Remove Allen key fixings. Lift upwards for removal

 **IMPORTANT**

The Rat Blocker can be easily removed and re-installed for drain cleaning and maintenance purposes. Ensure the installation instructions are followed carefully when re-installing the unit.

During installation the warning label should be mounted visibly within the inspection chamber.

During the first three months it is important to check that the Rat Blocker is operating correctly. The Rat Blocker must be inspected and cleaned at least once a year.

It is recommended that a service agreement is put in place for the inspection and maintenance of the installed Rat Blocker.