



INSTALLATION OF THE RATFLAP

Thank you for choosing the Ratflap

If at any stage during the installation of the Ratflap you are unsure of how to proceed, stop and get advice from a person competent in sewer layout or contact us at info@ratflap.com and we will help you.

Always be aware of your surroundings, never enter a deep chamber as sewer gas maybe present.

Important, prevent access of all children and pets from using the area while you carry out the following procedure. Wear protective gloves during install. Some basic tools eg screwdriver, pliers maybe required.

Step 1.

Remove from cardboard shipping protection. Do not discard any packaging until the Ratflap is correctly installed into your sewer, then recycle all packaging.

Please note that due to the unhealthy nature of any sewer, the Ratflap cannot be returned to us once installed so before attempting to install the unit be sure you have ordered the correct size for your pipe system. You can only return for a full refund or size exchange if the Ratflap has not been inserted into a sewer.

Step 2.

Locate the LAST manhole / inspection chamber on the sewer that services your property. This may take a little investigation so if you are unsure of the layout of your system open all the manhole / chamber lids on your property and get an assistant to flush a cupful of milk or some coloured food dye down the toilet bowl, not down the sink, while you look for the coloured liquid to flow through the manholes. You would normally install the unit into the hole where you saw the coloured liquid flow into last as it leaves your property.

If for any reason you need to install the Ratflap into the upstream pipe you simply push the unit into the pipe ensuring the arrow on the top of the Ratflap is pointing in the direction of waste flow.

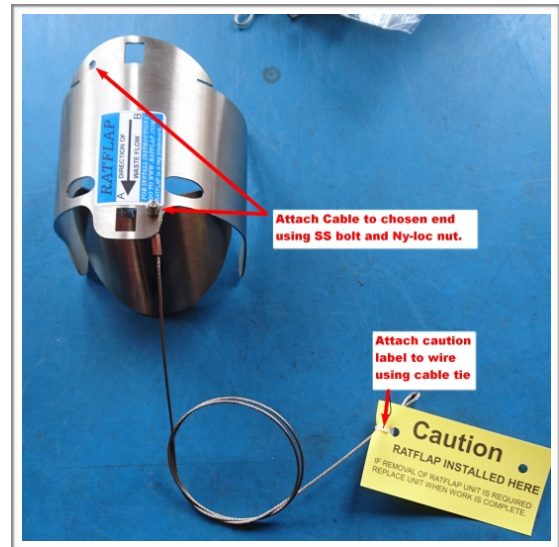
Step 3.

Depending on where you live you may or may not have a safety wire lanyard with your Ratflap. If you have no lanyard continue to step 4. If you have a wire lanyard you will find it in the attached hardware pack. Remove from pack assemble as shown and attach to the correct end, either A or B depending on your install position of the Ratflap, secure it tightly to the Ratflap.

When the correct location is found you must fix the yellow label end of the attached wire lanyard to the inside of the sewer chamber wall using the stainless steel screw and washer enclosed. Drill a pilot hole using the provided drill head screw. You can also use a washered masonry nail (not included). Do not omit this action because if you accidentally drop the Ratflap into a deep chamber it maybe difficult to retrieve.

Just before you insert the Ratflap in the downstream position, you will need to bend up the tabs to prevent any unlikely movement of the Ratflap. See pics below. Now is the time to attach the safety lanyard **if enclosed**,

In the packaging, insert the M4 nut/ bolt in the hole on the relevant A or B side tighten hardware firmly, use a pliers if necessary. It is a good idea to insert the bolt with the wire from underneath as shown. Always align the arrow on the top of the Ratflap in the direction of waste flow



Step 4.

Do not use excessive force to seat the Ratflap into the pipe, if it won't go into the pipe you will have to tweak the body by slightly squeezing or expanding the body, use your thumb to push down on the Ratflap while at the same time sliding it into place, ensure the Ratflap is perfectly perpendicular in the pipe or it won't work properly. See images.

Ensure the Ratflap is perpendicular in the pipe.



Not like this.



But like this.

If your sewer chamber is deeper than arms length you will hopefully have ordered the Ratflap with the install tool and the install pole. You will still need to secure the lanyard first and then attach the Insert tool to the threaded end of the pole, lower the Ratflap into the chamber, wriggle the unit into position in the pipe, when you are happy with its positioning undo the pole and take it out, again making sure the Ratflap is perpendicular in the pipe, the vertical position of the pole will tell you this.

Step 5.

The Ratflap exerts enough force on the inside of the pipe to stay secure and is quite difficult to remove also rats don't have the instinct or the force needed to push it out of place. If you find the Ratflap will not seat properly into the pipe, the pipe could be cracked or broken, in this case the Ratflap will have to be installed at another position along the pipe.

Step 6.

When all is secured, tidy up any loose lanyard into a neat coil out of the way of passing waste and tie with supplied cable tie.. Get an assistant to flush a wad of toilet roll down the toilet while you watch it flow through the Ratflap. When everything flows through you have installed the Ratflap correctly. Now it is time to close the chamber first checking that the coiled lanyard is not interfering with the flow of waste as in this picture. Congratulations you have just installed a Ratflap.

Now all that is left is for any rat left inside your house to pack up and leave, This can take anything from a few hours to a few days, but in most cases when the Ratflap is installed early in the day the rats are already outside feeding in the main sewer and cannot return.

The Ratflap must remain in place, if it is removed your rat problem will probably return within a few days unless the damaged sewer / burrows are found and fixed.

There should be no need to check or maintain the Ratflap, it is a fit and forget device. If after an extended period of time your rat problem still exists there is a possibility that the Ratflap was placed into the wrong pipe or you may need a second Ratflap for a different pipe so a thorough sewer survey by a professional may be required to find the correct location for the original or a second www.ratflap.com Ratflap is a registered trademark.

