



SUPA GUTTER PUMPER'S anti-vortex baffle stops air spiralling down the 20mm pipe once the water depth exceeds 25mm, allowing the pipe to flow full of water. Gravity then pulls this full flow downwards, creating a vacuum that sucks water into the pipe at high velocity. **Longer vertical drops generate higher flow rates.**

A short initial vertical drop must prime a second vertical drop to generate higher flow rates. To ensure the second drop primes, **the total length of the initial horizontal pipe plus an equivalent 0.6 metre pipe length for each 90 degree elbow and an equivalent 0.3 metre pipe length for each 45 degree elbow between the Gutter Pumper and the second vertical drop must not be not more than fifty times the length of the first vertical drop.** The first drop's length is measured from the top of the initial horizontal pipe to the gutter PLUS 25 mm from the gutter to the top of the anti vortex baffle. **See website for further details.**

EXAMPLE: A 100mm drop (**100mm x 50 = 5 metres**) will prime a **3.8 metre** long initial horizontal pipe plus 2 x 20mm 90 degree elbows (**0.6 metres x 2 = 1.2 metres**).

Pipework must remain vertical or horizontal. Sloping the pipe will break the prime.

Do not increase the 20mm pipe's diameter above ground level as this will break the prime at that point.

Gutter Pumper presents minimal obstruction but if leaves are a problem, Gutter Pumper must be installed near the gutter's high point and gutters kept clean. Fitting near the high point allows debris to be washed past during heavy rain prior to the siphon activating. Clean gutter of all debris prior to installation.

FITTING INSTRUCTIONS

Use a 32mm hole saw to drill in a flat area on the gutter's sole **near the gutter's high point**. Eaves gutters are installed with a W pattern to allow slope and downpipes are plumbed at the low point.

Place the Gutter Pumper into the hole with a washer on either side of the gutter and face the baffle's lowest edge towards the gutter's high point. Hold the Gutter Pumper and tighten the nut with its flange against the Gutter. **Be careful not to damage the Gutter Pumper's small vertical pillars.**

Twist a 20mm class 12 PVC pressure pipe (the internal diameter is 23.7mm) into the Gutter Pumper, plumb vertically to the bottom of the fascia and fit a 90 degree PVC elbow to plumb a second 20mm PVC pressure pipe horizontally to the wall. **Gutter Pumper molds to the pipe's shape and should not be glued.**

HANDY HINT: You can measure and twist-fit the 20mm PVC initial drop into the Gutter Pumper before fitting the Gutter Pumper through the 32 mm hole. It is very difficult to pull the pipe out of the Gutter Pumper without a twisting motion. This allows the nut to be easily **finger tightened** when the pipe is pulled downwards rather than gripping the Gutter Pumper from above.

Use pressure pipe clips every two metres when attaching a pvc pressure pipe to the wall.

Gutter Pumper usually drains to a downpipe (unless restricted, downpipes do not contain less than three quarters air). This is usually done by connecting a 90 degree PVC elbow fitted with a short PVC pipe to a vertical pipe plumbed alongside the downpipe. The short pipe is then fitted into a hole drilled in the downpipe and the gap sealed. Any installation queries can be answered by Aquatrek 7 days until 10 pm.

PVC pressure pipes installed in direct sunlight should be either painted with light coloured water-based paints or otherwise protected.

<https://gutterpumper.com.au>

Check local plumbing regulations for scope of allowable DIY work