



SUPA GUTTER PUMPER'S syphonic inlet restricts air entering the outlet once the water depth exceeds 20mm, allowing the pipe to fill with water. Gravity then pulls this full flow downwards, creating a vacuum that sucks the water into the pipe at high velocity. Longer vertical drops generate greater vacuum and velocity.

Pipe work must be vertical or horizontal. DO NOT slope pipework or increase the VERTICAL pipe's diameter as this will break the vacuum. Increasing the bottom HORIZONTAL pipe's diameter reduces friction loss and is recommended for long runs.

Clean gutter of all debris prior to installation. Gutter Pumper presents a minimal obstruction but gutters must be kept clean. If leaves are a problem, AQUATREK recommends the **Fielders Watergate** zinc gutter mesh. Watergate is suitable for most eaves gutters that are 115-125 mm wide, is sold in 8 x 1.25 metre packs and is easy DIY.

FITTING INSTRUCTIONS

Use a 32mm hole saw to drill a hole in a flat area on the bottom of the gutter **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 the washer between the outlet's flange and the gutter. Face the baffle's lowest edge towards the gutter's high point. Hold the Gutter Pumper tightly and screw the nut with its flange side up to the Gutter Pumper and tighten.

Fit a 20mm class 12 PVC pressure pipe to the Gutter Pumper, plumb vertically to the bottom of the fascia and fit a 90 degree PVC elbow to plumb a second PVC pipe horizontally to the wall. Use saddle clips to fit the pipe either along the wall to a downpipe or tank or plumb vertically down the wall and then horizontally to a downpipe or drain. **Gutter Pumper is tapered, molds itself to the pipe and does not require gluing.**

HANDY HINT: Measure and twist-fit the upper 20 mm PVC pipe 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** by pulling the pipe downwards rather than gripping the Gutter Pumper from above the gutter.

Unless blocked, downpipes do not contain less than two thirds air and the Gutter Pumper is usually drained into a downpipe. This is commonly done by fitting a 45 degree PVC elbow to the pressure pipe and then fitting a short PVC pipe to the elbow. The pipe is then fitted into a hole drilled in the downpipe. Seal the gap.

A short 25 mm poly pipe will also fit over a 20 mm PVC pressure pipe if the poly pipe is heated. Fit a 25 mm poly barbed elbow to the 25 mm poly pipe and secure with a stainless steel hose clamp. Fit the elbow into a hole drilled in the downpipe and seal the gap.

20 mm PVC pipe can also be joined to 25 mm poly pipe by using a poly 20 mm BSP male threaded X 25 mm barbed director connected to a 20 mm PVC faucet socket.

Increase the horizontal pipe size if discharging to a tank's top inlet to decrease the nozzle velocity.

AS/NZS 2032 states that PVC-U pressure pipes installed in direct sunlight must be either painted with light coloured water-based paints or otherwise protected.

For detailed fitting instructions, visit our website

WWW.GUTTERPUMPER.COM.AU

Check local plumbing regulations for scope of allowable DIY work