

Platypus Fire Pty Ltd *makers of the*

Protect  
your family  
and your  
assets.



*The Sensible Bushfire Protection System*

*Platypus Sprinklers are designed and manufactured to the highest quality standards.*

- High temperature UV stabilised nylon spinner with flame retardant
  - 316 Stainless steel inlet shaft & nozzle
  - Low maintenance bearing
- EFFECTIVE EMBER PROTECTION
- FLOW AND PRESSURE TESTED
- EFFICIENT WATER USAGE
  - 12 MONTH LIMITED MANUFACTURING GUARANTEE
- MANUFACTURED TO THE HIGHEST QUALITY



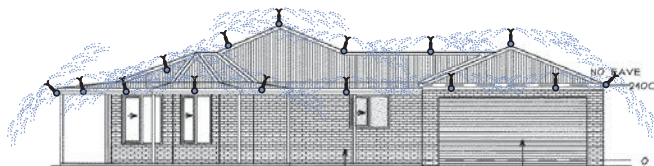
2014  
Product of  
the Year  
WINNER

[www.platypussprinklers.com.au](http://www.platypussprinklers.com.au)

# HOW IT WORKS...

## Typical Sprinkler Installation

*The Platypus Sprinkler system is designed for maximum protection from ember attack on residential, commercial or public assets in the event of a bushfire or wildfire.*



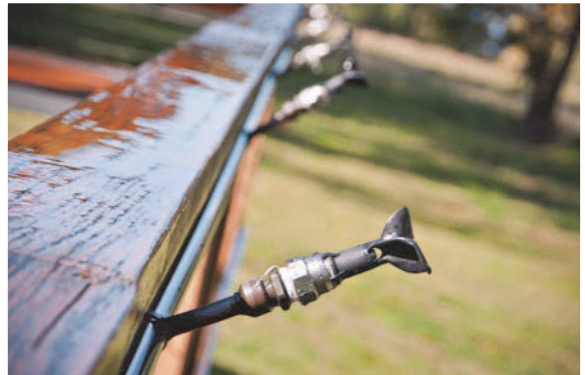
*Is your home or business located in a bushfire prone area? For peace of mind you should install the latest in bushfire protection to protect your most important assets. The Platypus Bushfire Sprinkler System offers an affordable and simple to install water based fire protection system designed and made in Australia.*

*The Platypus Bushfire Sprinkler System was inspired by the need for an affordable and simple to install bushfire sprinkler that provides protection to homes, commercial and public assets from ember attack in the event of a bushfire.*

*Sprinkler heads are typically mounted along the fascia line and or ridgeline of the building.*

*Fascia line sprinklers are mounted to ensure water is sprayed onto the roof to keep gutters wet and create a curtain effect around the building. This means any embers are dampened and radiant heat reduced by water sprayed from sprinklers. The effect is similar to a fireman approaching a fire.*

*The Platypus Sprinkler System can be installed by an approved installer, your own plumber or as a DIY system.*



### SPRINKLER PRESSURE, FLOW AND SPACING GUIDE

*Install sprinkler nozzles along the roof fascia and/or ridgeline according to the guidelines below.*

Nozzles available in the following sizes	Maximum spacing between sprinkler heads	Nominal flow rate at 300kpa
2.5 mm	3.5 mt	6 lpm
3.2 mm	3.5 mt	9 lpm
4.0 mm	4.0 mt	14 lpm
Optimum pressure for each nozzle is 300 kpa.		
We recommend using our Flow Control Inserts to ensure optimum performance.		

*This information is provided as a guide only. Refer to our website for further information about diameter, flow and pressure or email [info@platypussprinklers.com.au](mailto:info@platypussprinklers.com.au)  
Note - All data is based on laboratory testing in no wind conditions.*



# FAQ...

## Frequently asked questions

### How is the Platypus sprinkler different to standard butterfly sprinklers?

The unique design has eliminated the outer support frame which causes the stream on standard butterfly sprinklers to be broken into smaller droplets which are more likely to be affected by wind. The Platypus Sprinkler is also designed to spray water "out and down" rather than up into the air. The Platypus Sprinkler disperses larger droplets of water like rain.

All of these design features make the Platypus Sprinkler more effective in high winds which are often part of an ember attack.

### How is the Platypus Sprinkler System activated? Can it be automated?

The Platypus Sprinkler System can be operated manually by use of isolation valves or automatically activated using our Controller device which starts and stops the system based on a preset ambient temperature. Controllers can also be activated by SMS from a mobile phone (see website for more information).

### How much water does each sprinklerhead use?

The table over shows water flow rates for each of the three nozzle sizes. Up to 60 percent of the water sprayed out is re-used on systems that have downpipes connected to the water supply tank.

Dividing a building into zones can also maximise the available water supply. Incorporating our Flow Control Inserts into the system will ensure each sprinkler operates at its optimum point if the water pressure increases when some sprinklers are turned off.

### Can I install a system myself?

Yes. Sprinklers and a range of accessories are available for purchase online via our website or through an approved stockist.

Platypus Fire P/L also provides a sprinkler system design service. We calculate the correct number and position of sprinklers along the fascia line or ridgeline of your building, quantity of water required to operate the system effectively, pipe size and required flow rates and pressure.

Cost of this design service depends on the level of information provided.

### What pipes and fittings are used to install a Platypus Sprinkler system?

An approved installer would typically use copper tube and crimped copper fittings.

DIY systems can also be installed using copper tube, crimp fittings or with welded fittings.

PVC or poly pipe and fittings may be used but care should be taken as these products have low heat ratings.

### Can I refit my existing system with the Platypus Sprinkler?

Yes provided you follow the recommended spacing guide (see over).

### Does the Platypus Sprinkler System need to be installed during the initial build or can it be retro fitted?

The system can be installed during construction which means pipe work can be concealed in the roof space.

Retro fitting to an existing building would normally be done with exposed pipe work although in some cases pipe work can be concealed on existing buildings.

