



Platypus USA distributor of the

# PLATYPUS® SPRINKLER

The Sensible Ember Protection System



- Flow and pressure tested by University of South Australia
- Accelerated UV tested by Allunga Exposure Laboratory



- Overall height of the sprinkler is 3 1/8" (A)
- Width at the widest point is 2" (B)
- Weight is 3 oz
- Inlet 1/2" FIP thread

#### Construction:

##### Sprinkler Head

- Glass reinforced nylon with flame retardant and UV stabiliser, designed to meet UL94 - V1 @ 1.6mm

##### Inlet Shaft and Nozzle

- 316 stainless steel

##### Bearing

- PTFE with graphite and carbon fibre

## Sprinkler designed for fire ember protection

The Platypus Sprinkler can be installed during construction of new homes and buildings so that the pipework can be concealed or in the case of existing dwellings and buildings, they can be easily and cost effectively retrofitted with exposed pipework.

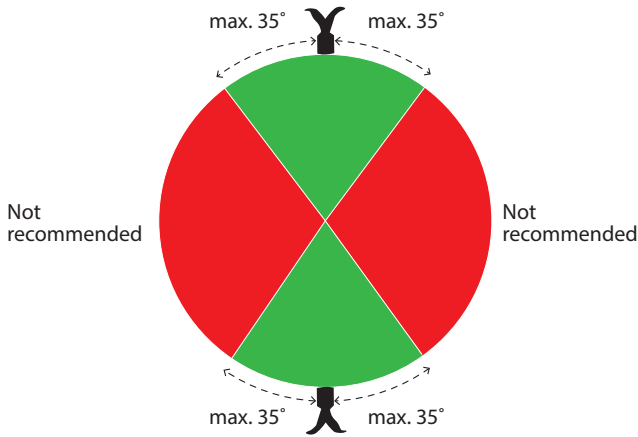
The Platypus Sprinkler has a twin outlet head that spins on a central shaft. The design of the head ensures water droplets spray out and down from the sprinkler head and water is sprayed in a full circle pattern.

A unique feature of the Platypus Sprinkler is it doesn't have an outer support frame around the spinner. This ensures the water stream is not broken and therefore the concentration of large droplets dispersed is higher and less wind affected - this means more water stays on the building. Other sprinklers that have an outer support frame produce smaller droplets and mist - making them less effective.

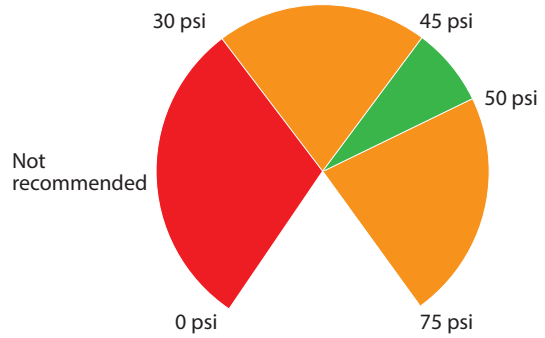
**Note:** We recommend using our flow control inserts at each sprinkler to ensure optimum performance (see over for more information).

## Sprinkler operating parameters

This illustration (below) shows the recommended sprinkler installation range.



An operating pressure of 45 psi to 50 psi at the sprinkler head is ideal.



**Note -** Due to manufacturing processes you may see some sprinklers start to run earlier than others. There may also be minor differences in the running speed of the sprinkler head, this does not indicate a faulty product.

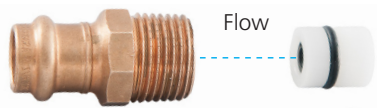
## Rule of thumb guide for pipe sizing

	Max. number of sprinklers for 3/4" Type M Copper	Max. number of sprinklers for 1" Type M Copper	Max. number of sprinklers for 1 1/4" Type M Copper	Max. number of sprinklers for 1 1/2" Type M Copper	Max. number of sprinklers for 2" Type M Copper
2.5mm	8	14	22	31	54
3.2mm	4	8	13	18	33
4.0mm	2	5	8	11	20

## Flow control insert

<b>Length overall:</b>	43/64"
<b>Outside diameter:</b>	19/32"
<b>Flow rate:</b>	1.6 gpm to suit 2.5mm nozzle or 2.4 gpm to suit 3.2mm nozzle, not available for 4.0mm nozzle
<b>Maximum working temp:</b>	175°F
<b>Flow rate accuracy:</b>	+or- 10% at 20 psi – 145 psi

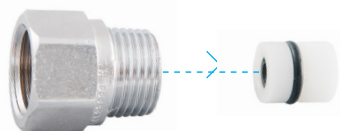
Valve must be installed correctly to avoid immediate failure.  
A directional flow arrow is stamped on the outside of the flow control insert.



- Flow Control Insert fits into the Viega crimp-on male adaptor



- Flow Control Insert fits into the copper olive male union (Copper olive union has been machined to suit Flow Control Insert)



- Flow Control Insert fits into the chrome brass M&F adaptor (Chrome brass M&F adaptor has been machined to suit Flow Control Insert)