

Platypus Sprinkler Manual USA

<i>Sprinkler Installation and PSI Range</i>	2
<i>Platypus Sprinkler Specifications</i>	3
<i>Sprinkler Assembly and Cleaning Instructions</i>	4
<i>Flow Control Insert Data Sheet</i>	5
<i>System Maintenance</i>	6
<i>Warranty</i>	7

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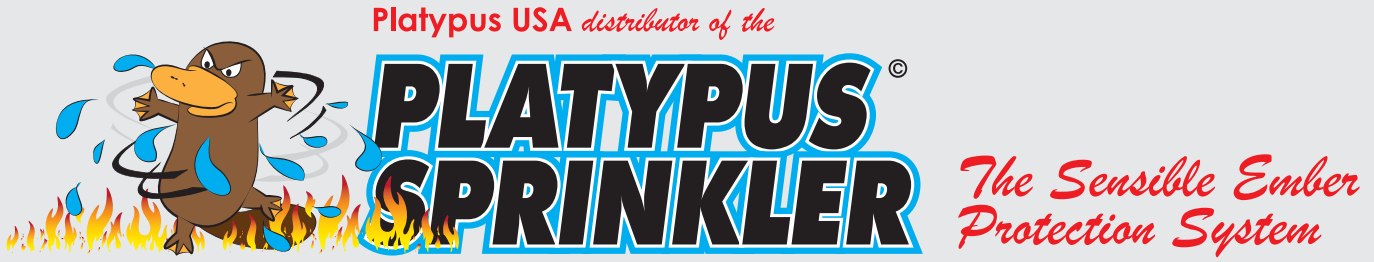
**PLATYPUS[®]
CONTROLLER**

and



**PLATYPUS[®]
SPRINKLER**

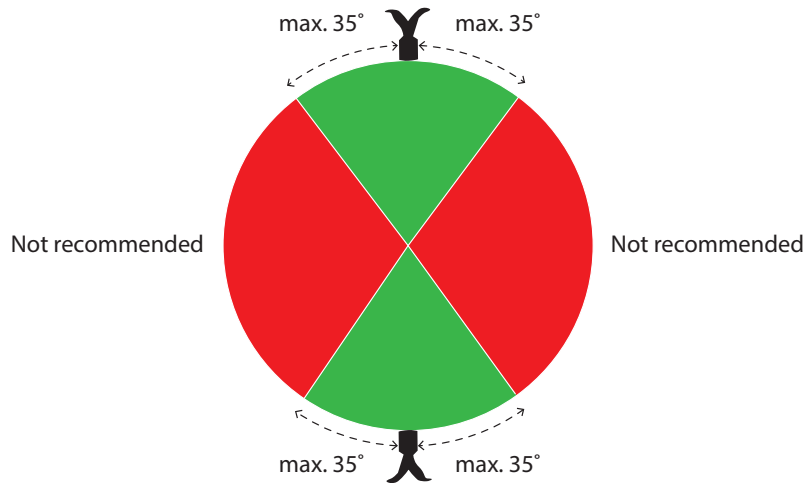
The Sensible Ember Protection System



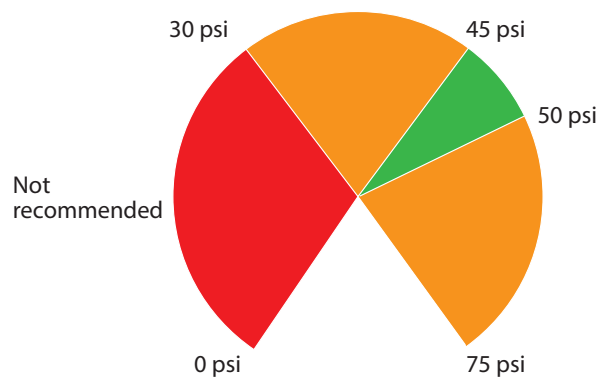
Thank you for purchasing the Platypus Sprinkler.

This product is supported by a 12 month limited warranty.

This illustration (below) shows the recommended sprinkler installation range (see Mounting and Installation Diagrams for further information).



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.

Sprinkler specifications



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

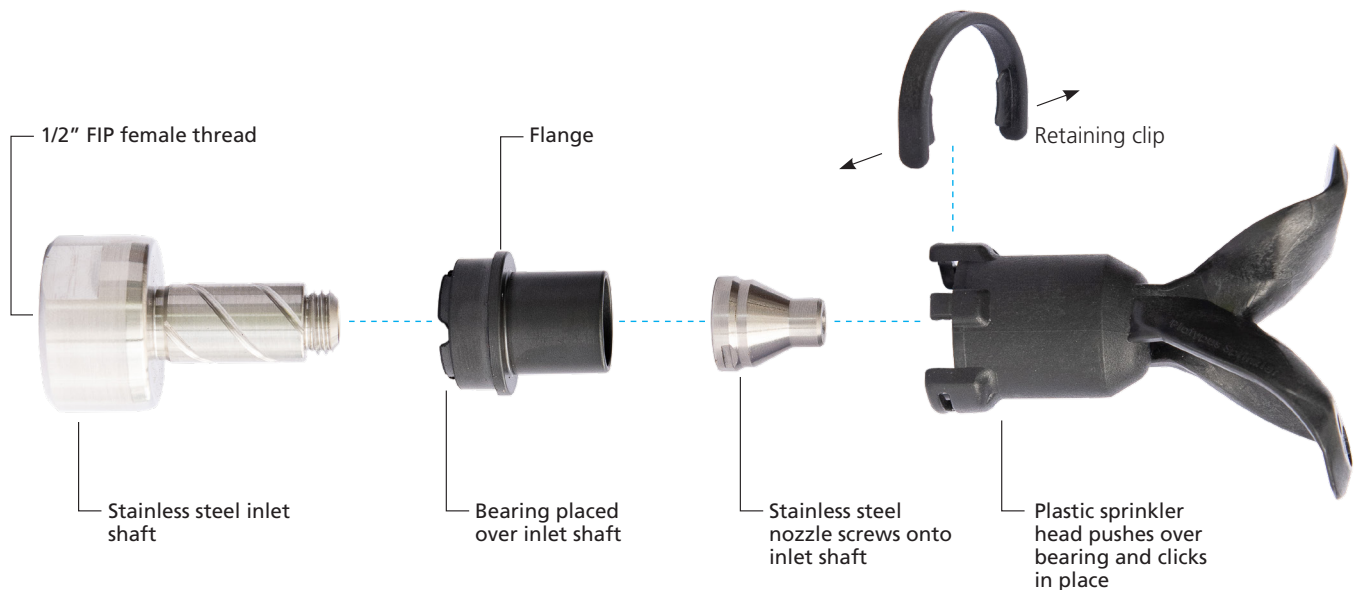
- 316 stainless steel

Bearing

- PTFE with graphite and carbon fibre

Sprinkler assembly and cleaning instructions

JANUARY 2021 ONWARDS



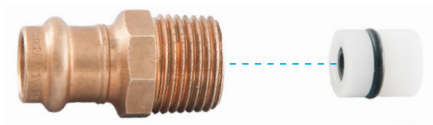
1. To remove sprinkler head spread the retaining clip outwards to release from grooves in sprinkler head, hold inlet shaft firmly and pull head upwards away from shaft. The nozzle can then be removed by using a 1/2" open end spanner on the flat edges and twisting in an anti-clockwise direction "**ensure**" spanner fits correctly onto the flat edges on either side of the nozzle taking care not to leave any burrs that may catch on the sprinkler head and or bearing.
2. After nozzle is removed lift bearing of shaft, clean the shaft, bearing & nozzle using clean water **DO NOT USE SOLVENTS OR LUBRICANTS.**
3. When re-assembling slide bearing back onto shaft, screw nozzle on in clockwise direction and tighten using 1/2" spanner **DO NOT OVER TIGHTEN.** Push sprinkler head down onto bearing ensuring that its all the way down onto the flange of the bearing, spread retaining clip outwards and refit into grooves of sprinkler head.
4. Check to ensure sprinkler head spins freely.

NOTE: ENSURE THE SAME BEARING AND HEAD ARE FITTED BACK ONTO ITS ORIGINAL INLET SHAFT.

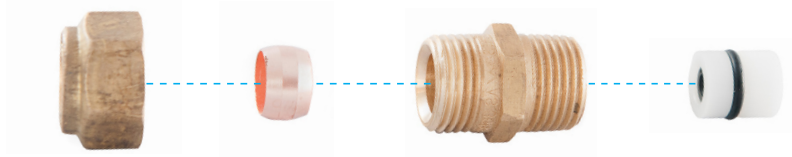
Flow control insert data sheet

Length overall:	43/64"
Outside diameter:	19/32"
Flow rate:	1.6 gpm to suit 2.5mm nozzle or 2.4 gpm to suit 3.2mm nozzle, not available for 4.0mm nozzle
Maximum working temp:	175°F
Flow rate accuracy:	+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.

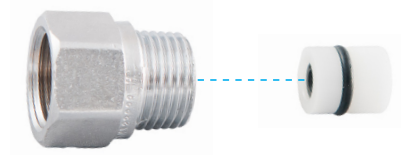


- Flow Control Insert fits into the Viega crimp-on male adaptor



- Flow Control Insert fits into the copper olive male union

Note: Copper olive union has been machined to suit Flow Control Insert

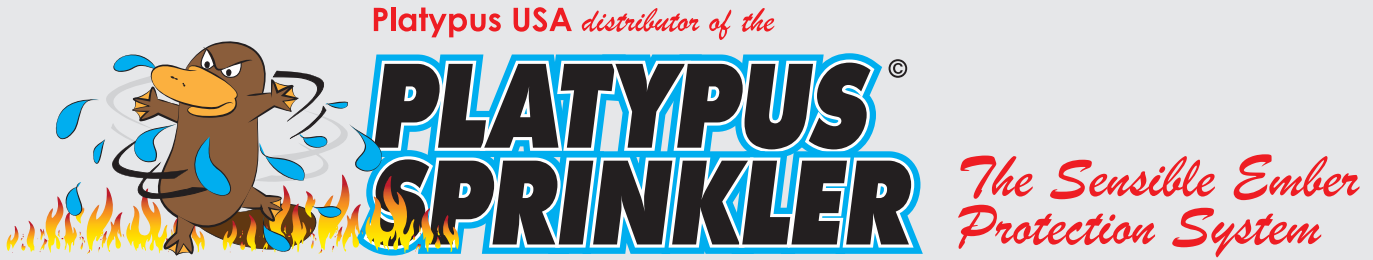


- Flow Control Insert fits into the chrome brass M&F adaptor

Note: Chrome brass M&F adapter has been machined to suit Flow Control Insert



- Direction of water flow through the flow control insert



System Maintenance

Platypus Fire PL recommends you carry out regular maintenance to ensure reliable operation of your sprinkler system and associated equipment.

YEARLY - PRIOR TO WILDFIRE SEASON

- Remove, clean and inspect sprinkler shaft, bearing & heads
- Service engine according to manufacturer's guidelines
- Test operation of back up generator and or power supply
- Change fuel in petrol engines
- Check & clean inline strainers
- Check water level in tank & level indicator
- Visual check of pipework
- Check controller using test function
- Check & clean gutters, downpipes & strainer basket
- Check operation of mains water top up
- Start pump & check operation of system (flush system with clean water if using pool water and or bore water etc)
- Prepare, discuss and organize your wildfire survival plan

MONTHLY DURING WILDFIRE SEASON

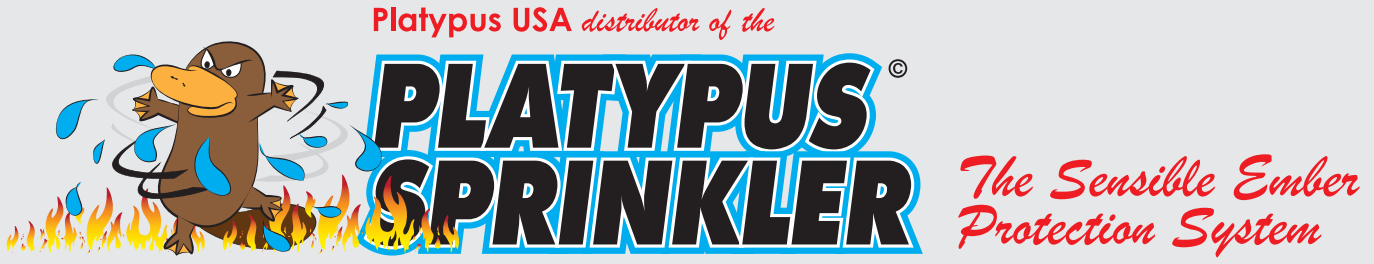
- Start pump and check operation of system
- Check controller using test function
- Start pump & check operation of system (flush system with clean water if using pool water and or bore water etc)
- Check water level in tank & level indicator
- Visual check of pipework & sprinkler heads
- Check strainer basket in tank is clear

QUARTERLY

- Start pump & check operation of system
- Check controller using test function
- Visual check of pipework & sprinkler heads

The above guide is suggested as minimum requirements, a maintenance schedule specific to your system should be established at or before installation.

Due to the unpredictable nature and timing of wildfires it is important that you and your system are prepared at all times.



Product Warranty

12 month limited warranty.

For Warranty & Service Inquiries Contact Platypus USA sales@platypussprinklerusa.com

Manufactured in Australia by Platypus Fire Pty Ltd info@platypussprinkler.com.au