

Other systems considered.

<https://greateoceanplumbing.com/bushfire-sprinkler-defence/> Chris Roger - fixed sprays around roof. Quote for approx \$60,000 for 50 min protection with a 22,500 l tank.

<https://www.facebook.com/bushfiredefence/> Matt Wenger Adelaide (Very helpful, and very knowledgeable. External water cannon and similar spray systems)

<https://www.blazecontrol.com.au/contact.html> Blaze Control (Melb) Two way fixed sprinklers (no moving parts) roof mounted.
https://www.blazecontrol.com.au/fixed_systems.html Chris has copied his specs from them (or vice versa!) Bill - 0418 566 166 Blazecontrol@gmail.com

<https://www.tecpro.com.au/application/bushfire-protection/> Not much. Design, spray nozzles, filters and accessories.

<https://rainmakerbushfiresprinklers.com.au> Low key system for eve mounted Pope sprinklers for defence against ember attack. Possibility would be to have two systems - one like that and one external spray. Could be much to be said for that..... maybe!

<https://www.watercurtain.com.au> South Coast NSW. Roof mounted "Water Curtain Twin Arm" rotary sprinklers (commonly used in irrigation and market gardens). Do not install in Victoria. <https://www.watercurtain.com.au/our-sprinkler-system-explained/> Combine with the Embarr Argus (which has been known to be set off by a cigarette!) Based in Molybrook NSW.

<https://platypussprinkler.com> Melbourne based. Products, shop. Twin outlet spinning head typically mounted around the perimeter of the dwelling in line with the top spouting and also can be fitted to a ridge line (if you have one!). It is constructed out of glass reinforced nylon so only ember protection. Heads with nozzle (2.5 mm, 3.5 m spacing, 6 l/min, 3.2 mm 3.5 m spacing, 9 l/min or 4.0 mm, 4.0 metre spacing, 14 l/min).
<https://platypussprinkler.com/platypus-sprinkler-how-it-works/> They offer external temp sensor and antenna, and the Platypus Controllers. nfo@platypussprinkler.com Jamie – 03 5644 3277

Bushfire Pro (NSW) http://www.bushfirepro.com/bushfire_sprinkler_systems.htm Rotating heads protruding from fascia. Uses HD10 sprinkler/spray heads. 200 kpa water 17 metre diameter. 9.5 l/min circular spray pattern. Allows for addition of fire suppressant. Utilises Embar Argus for ember and fire detection.
Agents for the Graeme Lund designed SFS Model SFS01-V2 S/S Mobile phone & sensor activation module.

<https://www.sydneybushfiresprinklers.com.au> Outside their service areas. However, do list their different approaches.

Fire Retardants

Phos-CHEK Home defence fire retardant

https://www.checkpointgroup.com.au/solutions/phos_chek_bushfire_protection_fire_retardant/ Can be sprayed on months before fire. <https://www.checkpointgroup.com.au/phos-chek/>

TABLE 6.3: Comparison of the performance of different wildfire sprinkler configurations. Water consumption values represent the total consumption of a system designed to protect the building from all directions.

	Sprinkler configuration	Cooling of walls	Radiation attenuation	Water consumption [L s⁻¹]
A	Butterfly sprinklers on risers around building	Moderately effective	Effective	13.6
B	Butterfly sprinklers above roof ridge	Not effective	Not effective	1.7
C	Deflector-plate sprinklers above roof ridge	Not effective	Not effective	2.1
D	Flat-fan sprinklers above gutters, spraying inwards	Not effective	Not effective	2.1
E	Butterfly sprinklers above gutters	Moderately effective	Moderately effective	9.0
F	Deflector-plate sprinklers above gutters	Moderately effective	Effective	11.1
G	Flat-fan sprinklers under eaves, spraying inwards	Effective	Not effective	2.1
H	Hollow-cone sprinklers in WEEDS arrangement	Moderately effective	Moderately effective	4.6
I	Deflector-plate sprinklers under eaves	Effective	Effective	11.1