

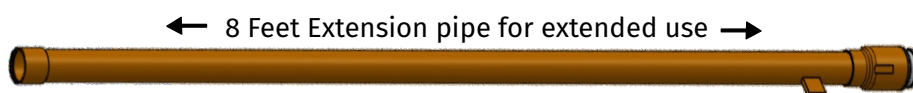


SPIDER EV FIRE SUPPRESSING SYSTEM

Model No.: FPSAV-VE

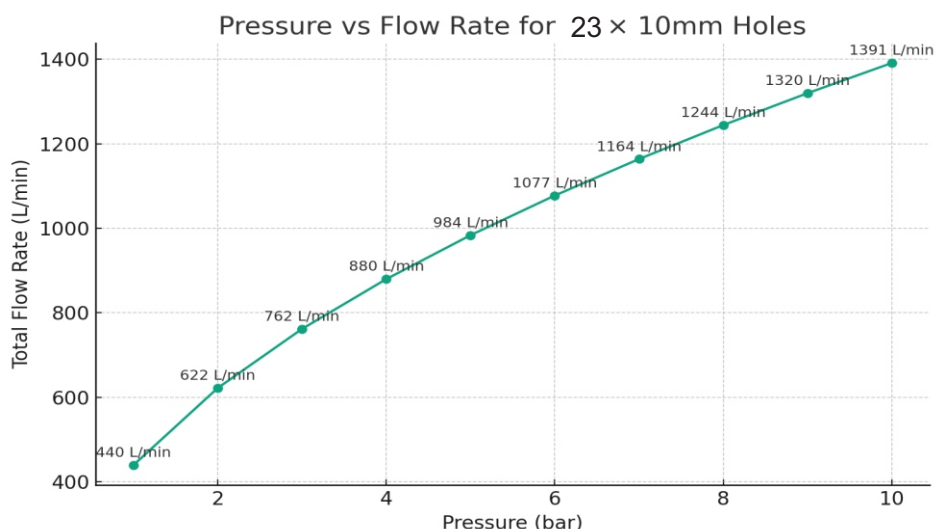
Saviour EV Fire Extinguisher

The SPIDER Meets the requirement of EV manufacturers and International Bodies for Rapid response in case of Fire to the vehicle to curtail extra heat build up of Li-ion Batteries associated with EVs due to Thermal runaway. The SPIDER alleviates EV fires long enough to allow time for escape / rescue of occupants in the event of vehicle Fire. This is a safe, effective and reliant system for direct water ingress or shower onto under vehicle batteries in huge amounts exceeding 1000 -1500 litres per minute. The SPIDER provides water Fountain jet effect ensuring complete coverage of the Underbelly of the vehicle including Batteries. The SPIDER provides effective and long-lasting cooling effect preventing re-ignition.



Pressure vs Flow Rate graph water spray system:

- Inlet pressure: 7 bar = 700,000 Pa (absolute)
- Fluid: Water ($\rho \approx 1000 \text{ kg/m}^3$)
- At 7 bars, the total flow rate is approximately 1160 L/min.
- The relationship is nonlinear (square root of pressure), which is typical for orifice flow.



Parameters	Value
Jet velocity	~37.4 m/s
Estimated reach	~15 m per jet (practical)
Spray pattern angle	~140° (approx. from photo)

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TECHNICAL SPECIFICATION

Operating Pressure	7 bars
Total Length of System	1960 mm
Dia of arm	60 mm
System height	152 mm
Input Coupling	63 mm
MOC of system	Meets IS 2062 E250 Grade A material
Welding Process	As per ISO 14175 standards

KEY FEATURES

- SPIDER is portable, power-free, and space-efficient.
- Wheels provide easy movement under vehicle.
- Suppresses all fire types, including EV, fuel, and CBRN fires.
- Operates independently, saving manpower.
- Supports decontamination during Hazmat/CBRN events.
- Works on ships, aircraft, vehicles, and buildings.

APPLICATION

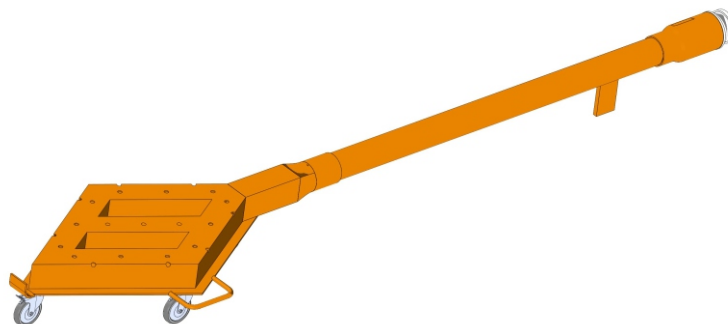
- SPIDER uses the Venturi effect, has no nozzles, and needs no regular maintenance.
- Once connected to water, it runs automatically without manual help.
- Slides under vehicles easily and covers areas standard extinguishers can't reach.

DISCLAIMER

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Soft Launch Datasheet of The Product

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