

# Pivaset

## ELECTRIC VEHICLE BATTERY FIRE EXTINGUISHER with arm nozzle

### Pivaset APS arm nozzle – What and why?

**The safest method for fighting a battery fire on an electric vehicle is exterior cooling using water.**

The initial response to an electric vehicle battery fire is safe and easy to do using the **Pivaset APS** arm nozzle, which is specifically designed to cool the battery in an optimal manner. Deploying the arm nozzle is very easy and safe, with minimal time spent near the burning vehicle. Pivaset APS cools the battery effectively, suppresses the flames erupting from the battery and prevents the fire from spreading to adjacent vehicles or structures. The water spray also binds toxic gases, such as hydrogen fluoride, that the fire emits. This cuts the fire emitted contamination and makes the environment safer for people to evacuate.

**Pivaset APS is an easy to use electric vehicle battery fire control and extinguishing product, that comprises a hose reel and a 1.5 meter arm nozzle.** The hose reel is equipped with a 30 meters long 25 millimeter diameter hose. The arm nozzle creates an upward water spray with a flow of 100 liters per minute with 4 bar pressure. Using the arm nozzle, fighting the electric vehicle battery fire is safer and faster than with any other product on the market.

Responding to a fire is easy with the arm nozzle. The user places the nozzle under the fire, opens the arm valve, moves to a safer distance and opens the valve at the hose reel.

This method minimizes the time spent in the vicinity of harmful smoke emitting from the fire. Close proximity to the burning battery is not required. Jet flames emitted by the burning battery can be very aggressive, so working in a close proximity of a battery fire is a high risk.

**The product is 100% designed and manufactured in Finland.** The main goal is making firefighting easier, faster and safer.

**More information about  
PIVASET APS  
[www.pivaset.fi](http://www.pivaset.fi)**

**Pivaset**

Pivaset APS in action under a vehicle.

**Designed specifically  
for controlling and  
extinguishing  
battery fires on  
electric vehicles.**



This product can be used for various extinguishing operations, such as devices, machines, vehicle engines and cabins. The product has been tested and verified to be safe and effective for these types of usage.

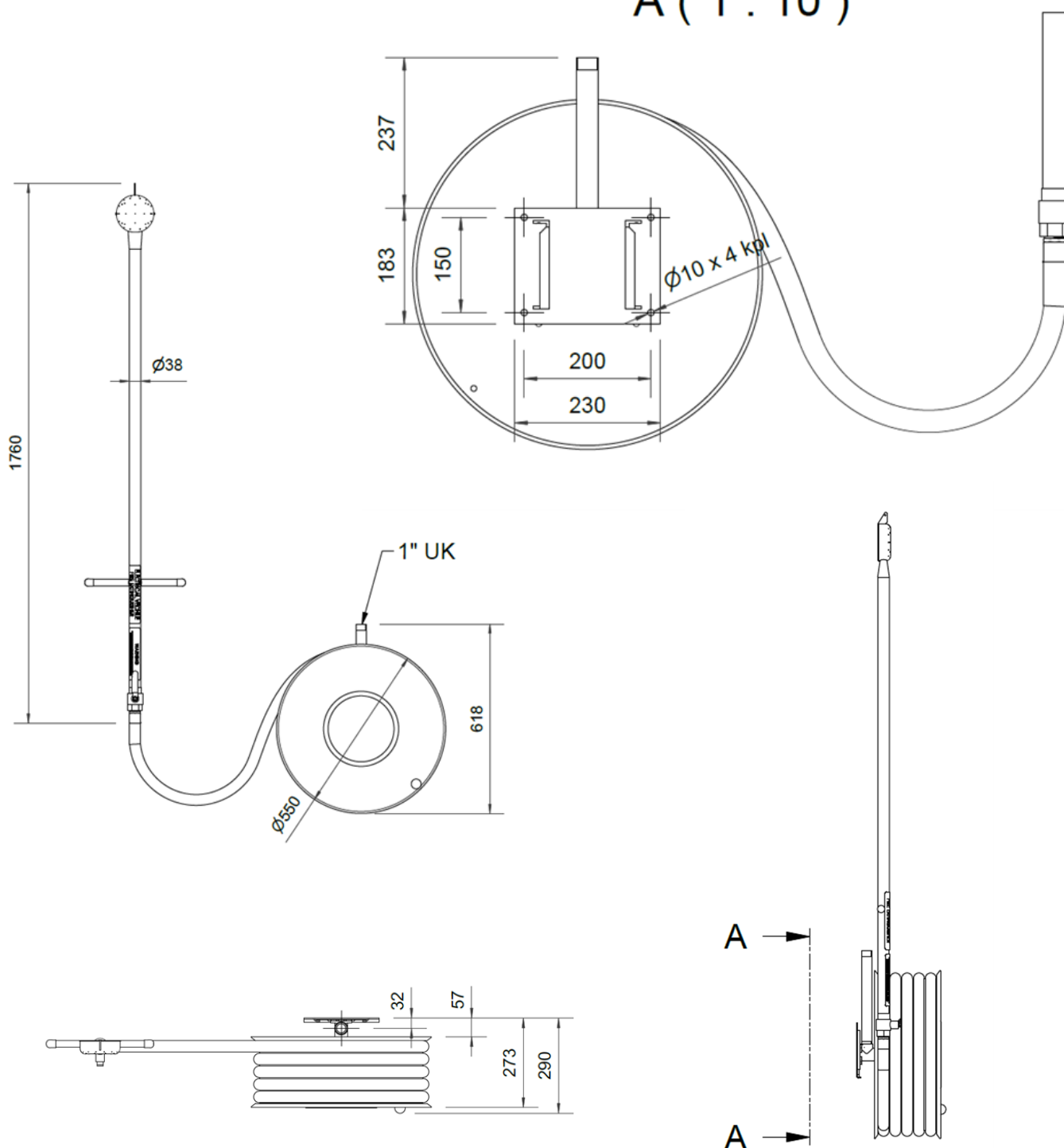
### Pivaset APS technical data

**The extinguishing arm:**  
Unpainted Stainless Steel

**The hose reel:**  
Wall mounted reel with spring reinforced feeder hose and a 1-inch valve. The reel is epoxy powder painted red (RAL 3020).

**Hoses:**  
Polyester/EPDM lightweight hose with a woven surface. Tested and approved according to the EN 694:2001 standard.  
Maximum operating pressure: 12 bar  
Burst pressure: 90 bar

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The product is designed and manufactured in cooperation with the Fire and Rescue Innovation Finland Ltd.