

Fight Fire With Power

Drago ISI leads the way with revolutionary technology



Pumper truck equipped with the Drago Cannon

The innovative Drago cannon is the result of 11 years of extensive research and tests by Drago-ISI Inc. It is a true multifunction tool that can quickly and effectively achieve – in a single unit – the three major firefighting objectives: extinguish a fire, cool the air, and disperse smoke and toxic fumes. The Drago cannon's unique ability to do all three is in the science of evaporation and in the power of water droplets.

This versatile fire-control weapon is certainly set to become an essential element of any fire station or department's arsenal, whether they serve industrial, residential, forestry agricultural, or petro-chemical sectors.

Key benefits

- Extinguishes and cools fire five times faster than a traditional nozzle
- Uses 70% less water than a traditional nozzle
- Instantly knocks down a fire to regain control
- Has a reach of over 200 feet (60 metres)
- Shoots water/air, water/firefighting agents such as foam, encapsulator, or any liquid additive

Key features

- Fully automatic system and remote-controlled (wireless)
- Flap system for jet precision (32 inches | 81 centimetre variable to 26 inches | 66 centimetres)
- Rotation: + 135° to - 135°
- Tilt: + 45° to - 15°
- Fan: 35,000 cfm | 991 m³ / min
- Central nozzle system (spider)

Projection

The Drago cannon is simple, highly effective, and capable of a water flow up to 755 GPM with a jet distance exceeding 200 feet (60 metres).

Technology behind the spider

When fighting fires, water's most helpful properties are its high heat absorption capacity and unmatched evaporation latent heat.

Starting on the principle that a regular water drop has a one-dimensional trajectory, whereas the trajectory of fine droplets sprayed at high velocity is exponentially increased and covers a much larger area, the Drago ISI team set out to create a different kind of water cannon.

Drago's unique spider design improves the efficiency of using water and accelerates fire suppression for a given water flow by splitting the flow into a large number of fine droplets spread at high velocity over a large area of the blaze to promote more rapid

evaporation of the water and heat absorption.

The Drago cannon uses a distinctive and patented constant spray technology and a unique design for its central nozzle (spider) to offer a smooth performance curve with optimal parameters of water flow and droplet quality. This ensures optimal heat transfer and promotes evaporation before the water has a chance to hit and pool on the ground. Time is critical in fire control: water that does not evaporate is not used efficiently. The Drago cannon uses 70 per cent less water and makes every drop count.

The Drago cannon was tested by TEEEX (Texas A&M Engineering Extension Service) and demonstrated that it is capable of flowing an effective fire stream to 202 feet (62 metres). It successfully demonstrated its speed and capability in the following trials: Cooling and Protecting; Pit Fire Containment; Foam Blanket; and Circular Tank Extinguishment.

If you and your squad are interested in a demo, please contact Westvac Industrial Ltd., Drago ISI's exclusive dealer for Western Canada.



Dealer: contact Rob McDonald at rmcdonald@westvac.com.



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