



DOING MORE WITH LESS

Oshkosh® Stinger Q4™ RIV

These days, the goal of doing more with less is a necessity everywhere, including at airports worldwide. With the introduction of its Stinger Q4™ rapid intervention vehicle (RIV), Oshkosh is excited to bring aircraft rescue and firefighting (ARFF) professionals a vehicle that meets this important objective.

With the debut of the Stinger Q4, Oshkosh, manufacturer of the Striker® vehicle, expands its lineup of high performance aircraft rescue and fire fighting trucks. The new product was developed jointly by the engineering and product development teams of Oshkosh Airport and Municipal Products Group, and Pierce Manufacturing, Inc. Both companies are part of Oshkosh Corporation. The Stinger Q4 RIV is designed to better enable airports to respond to a variety of aircraft rescue, firefighting, and emergency response situations.

gallons of foam, 500 pounds of dry chemical and 120 pounds of clean agent, all delivered through a 150-foot bundled hand line, cross lays or a front-mounted bumper turret. Despite its small size, the Stinger Q4 RIV packs a tremendous firefighting impact through its unique and proprietary QuadAgent® *and Pulse Delivery®* firefighting systems; this truck is setting a new standard for the RIV category.

The power of the Stinger Q4's arsenal is in its flexibility at the nozzle where, with QuadAgent technology, the firefighter selects the agent or combination of agents to achieve the best firefighting solution: dry chemical agent for heat absorption, clean agent to interrupt the fire process, and water, foam or compressed air foam to create a vapor barrier for cooling. Each agent is delivered to the heart of the fire to save time and agent.

The versatility of this technology allows an attack on almost all types of fire with sudden fire suppression and termination. The QuadAgent system allows for deployment of all agents from over 90 feet giving the firefighter the advantage of distance to reduce the risk of injury.

Revolutionizing the ARFF world

Delivery of dry chemical agent is dramatically enhanced through the patented Pulse Delivery technology. Dry chemical is packaged in small packets and propelled through the nozzle at a greatly accelerated rate. At velocities approaching the speed of sound, the packets arrive with enough force to penetrate a commercial-sized fire wall from the safe distance of 90 feet,

Traditionally, dry chemical is carried into the fire inside a stream of water or WET requiring that the water be burned off before the chemicals are released. The vast majority of the powder carried into a fire by the water stream is taken to ground before it can do its work. But with the Stinger Q4 RIV, dry chemical is delivered DRY, penetrating the fire wall with greater force, creating a particulate bloom within the fire, and



The Stinger Q4 RIV was developed based on feedback from airport firefighting professionals, who pointed out the need for an affordable, quick-response vehicle on a smaller chassis than a typical ARFF vehicle. Designed by and for ARFF professionals, this RIV comes standard with a complete fire suppression package. Up to 300 gallons of water, 40

maximizing its exposure to the heat of the fire.

With a small amount of dry chemical equaling a large amount of water, the Stinger Q4 RIV extinguishes the old idea of "surround and drown." Per pound of agent used to extinguish a two-dimensional fire, the Pulse Delivery dry chemical technology is more effective than water/foam and dry chemical entrained in water. Dry chemical entrained in water/foam will also contaminate the foam, reducing the effectiveness or life of the foam blanket. The only thing that dry chemical entrained in water will do is increase agent usage. It will not reduce the time required for fire suppression or increase firefighter stand off.

The dry chemical, when effectively deployed dry, turns a large uncontrolled blaze into a small manageable fire within seconds. This means that in a large fuel fire, the dry chemical will absorb the heat from the fire, requiring only a small amount of Compressed Air Foam (CAF) as back-up, to lay down an effective vapor barrier.

Working to Improve Safety

Improving firefighter safety, both on location and in the station, is the number one priority of Oshkosh. The Stinger Q4 RIV gives the firefighter the ability to service ALL agents from ground level. Vacuum fill of dry chemical powder and optional use of dry breathing air for propellant, allows the tanks to be refilled directly from the firefighter SCBA service unit typically in place at most stations. The use of the high pressure system also eliminates the required, typical weekly/monthly fluffing of the dry chemical powder found on most ARFF vehicles.

The Stinger Q4 RIV is engineered and built to give airports what they need to confront emergency events, all in a compact package. Built on a rugged chassis, this apparatus puts a great deal of capability and flexibility into the hands of firefighters.

Innovative firefighting technologies and a uniquely maneuverable rapid intervention vehicle mean airport firefighters can now respond more quickly and with more power while still doing more with less.

*Pulse Delivery® and QuadAgent® systems are registered trademarks of Advanced Fire Control Technologies, Centennial, Colo.

About Oshkosh Airport Products

The Oshkosh Airport Group, a division of Oshkosh Corporation, is a designer and builder of industry-leading airport fire



fighting and snow removal vehicles. Its flagship Striker® Aircraft Rescue and Fire Fighting (ARFF) vehicle and Oshkosh® H-Series™ snow removal chassis are known for their durability and superior performance and sold throughout the world. For more information, visit www.oshkoshairport.com.

About Pierce Manufacturing

Pierce Manufacturing, Inc., an Oshkosh Corporation NYSE: OSKJ company, is the leading North American manufacturer of custom fire apparatus. Products include custom and commercial pumpers, aerials, rescue trucks, wildland trucks, mini-pumpers, elliptical tankers, and homeland security apparatus. In addition, Pierce designs its own foam systems and was the first company to introduce frontal airbags and the Side Roll Protection system to fire apparatus. To learn more about Pierce, visit <http://www.piercemfg.com>

About Oshkosh Corporation

Oshkosh Corporation is a leading designer, manufacturer and marketer of a broad range of specialty access equipment, commercial, fire & emergency and military vehicles and vehicle bodies. Oshkosh Corp. manufactures, distributes and services products under the brands of Oshkosh®, JLG®, Pierce®, McNeilus®, Medtec®, Jerr-Dan®, BAI®, Oshkosh Specialty Vehicles, Frontline™, SMIT™, Geesink™, Norba™, Kiggen™, CON-E-CO®, London® and IMT®. Oshkosh products are valued worldwide in businesses where high quality, superior performance, rugged reliability and long-term value are paramount. For more information, log on to www.oshkoshcorporation.com.

