

STINGER Q4

Rapid Intervention Vehicle (RIV)



SPECIALIZED PERFORMANCE

Your rapid intervention team must function at increasingly high levels, under daunting conditions and with a razor-thin margin for error. It has specialized requirements that demand specialized equipment. The Stinger Q4™ rapid intervention vehicle delivers specific solutions for the specific needs in aircraft rescue, firefighting, hazmat and emergency response.





RAPID INTERVENTION TEAM

Oshkosh Corporation knows your reality. The Oshkosh brand has an unparalleled reputation for building ARFF vehicles that are utterly dependable and fully capable. And the Oshkosh Pierce® brand, the undisputed leader in municipal and industrial fire apparatus, has an outstanding track record in product development and innovation. So we brought these two forces together to build a rapid intervention vehicle designed to maximize your initial attack capabilities with ultra-maneuverability, quick response and the immediate knockdown power of Quad Agent and Pulse Technology.



STARTING WITH A SOLID FOUNDATION

To design the industry-leading rapid intervention vehicle, Oshkosh Corporation combined the Oshkosh and Pierce engineering and product development teams – the finest in the firefighting industry. The result is the Stinger Q4 rapid intervention vehicle. Like Pierce pumpers, pumper tankers, aerials, rescues and command units, the Stinger Q4 uses formed and welded construction for durable, long-lasting design without unnecessary weight. We made sure that anything that can make a response vehicle perform better gets addressed: design, materials and manufacturing. Every aspect of quality, fit and finish is closely examined and refined. By engineering performance from the start, we are able to integrate many high-performance proprietary features such as pump houses and integrated pump panels to your exact specifications with virtually unlimited fire suppression options to meet the needs of your team.

KNOCK IT DOWN AND KEEP IT DOWN.

GET AGGRESSIVE WITH Q4 TECHNOLOGY



Water: 120 – 300 gallons (454 – 1136 L) with pneumatic or 250 GPM pump module delivery system.

Foam: 10 – 40 gallons Pre-Mix (38 – 151 L) single or twin tank foam eductor system, or piston pump injection system delivered with water up to 3% concentration with available Compressed Air Foam (CAFS) delivery.

Dry Chemical: 500 pounds (227 kg) delivered through Pulse Technology up to 8 pounds (3.63 kg) per second cast (delivered dry with compressed breathing air) to an effective minimum distance of 90 feet (27 m) through a 150-foot (46 m) handline or bumper turret.

Clean agent: 120 pounds (54 kg) delivered up to 1 pound (0.45 kg) per second independently with a cast distance of over 40 feet (12 m), or 1/3 pound (0.15 kg) per second cast over 90 feet (27 m) with Pulse Technology when entrained in dry chemical.



QUADAGENT DELIVERY TECHNOLOGY

Using QuadAgent technology, the firefighter selects the agent – or combination of agents – to affect the best fire solution right from the working end of the fire hose. Each agent has an optimum presentation within the heart of the fire resulting in the most efficient fire suppression (both in time and agent used). At the firefighter's discretion, the QuadAgent nozzle deploys dry chemical agent (heat absorption), clean agent (chemical

interruption of fire process) and water/foam/CAFS (creation of vapor barrier/cooling), and allows for the full frontal attack of the fire tetrahedron. The technology can attack almost all types of fire with immediate fire suppression and ultimately, termination. The QuadAgent technology allows for deployment of all agents to distances of 90 feet (27 m), giving the firefighter the advantage of distance to reduce risk of injury.

PULSE DELIVERY TECHNOLOGY

Pulse Delivery provides the ability to deliver dry chemical powder “dry” by producing small packets of powder within the nozzle and propelling them forward at the speed of mach 1. Combined with nozzle velocity, the packet has enough force to travel longer distances, and also penetrate a commercial size fire wall at a distance that keeps firefighters safe. This technology allows you to cast dry chemical powder over 90 feet (27 m), more than three times the current capability.

As each packet penetrates the fire wall, its integrity is disrupted in a way that causes the dry chemical particulate to bloom within the fire envelope, exposing all its surface area to react with the heat or energy of the fire. The result is almost instantaneous fire knockdown and suppression. This high pressure system (typically twice the pressure of existing technology) offers three advantages:

- 1) trouble-free delivery from the storage tank,
- 2) none of the typical weekly/monthly fluffing of the dry chemical powder,
- 3) delivery through 150 feet (46 m) of bundled hose line or front mounted bumper turret



CLEAN AGENT

Total attack of the fire is addressed by combining small amounts of a clean agent within the dry chemical stream delivered through the Pulse Delivery nozzle. A small quantity of clean agent is propelled within the dry chemical packets to create the necessary atmospheric condition to inhibit the chemical reactions of the fire tetrahedron.





STANDARD

- Master battery switch
 - Back-up alarm
 - Two front and two rear tow eyes
 - Front bumper with brush guard
 - Front and rear mud flaps
 - NFPA-compliant cab running boards
 - Air intake ember separator NFPA compliant
 - 176.2" (447.5 cm) wheelbase
 - Pump and roll
-
- Aluminum body construction
 - Rollup compartment doors
 - Compartment flooring with sweep out design
 - NFPA-compliant non-slip aluminum treadplate
 - Rear lower storage compartment for long handle tools
 - Stainless steel body fender crowns
 - Body warranty 10 (ten) years
 - NFPA-compliant reflective stripping
 - Under body corrosion protection
 - Painted spatter grey compartment interiors
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- LED – DOT light package
 - NFPA-compliant LED emergency warning lights
 - Siren and speaker
 - LED interior compartment lights
 - NFPA-compliant non-slip aluminum treadplate
 - NFPA-compliant cab and body LED perimeter lights
 - Electronic load management system

FIRE SUPPRESSION SYSTEM

STINGER Q4™ Fire Suppression System compliant with 150/5220-10D high performance specifications. (Addition 4.13, Table 2)

Available Features:

- Dual agent hand line nozzle with Pulse Delivery
- QuadAgent hand line nozzle with Pulse Delivery
- Pneumatic or centrifugal pump delivery
- 120 gal. (454 L) or 300 gal. (1136 L) water
- Pre-Mix Foam, Single or Dual Tank Foam Eductor System or Piston Pump Foam Injection System
- Compressed air foam system (CAFS)
- 200 lbs. (91 kg) or 500 lbs. (227 kg) dry chemical delivered dry
- 120 lbs. (54 kg) clean agent
- Up to 150 ft. (46 m) bundled hose line
- Bumper turret capable of delivering all agents – including Pulse Delivery
- Two crosslays with 200 ft. (61 m) 1-3/4" (4 cm) hose
- Ground level fill system for all agents
- Cab center operating console

CHASSIS OPTIONS

Ford Super Duty F-550, 4 X 4

- Regular cab, super cab or crew cab
- XL or XLT trim
- 6.4 L Power Stroke® V8 turbo diesel
- TorqShift transmission

Configured to meet your specifications

Sterling Bullet 4 X 4

- Regular cab or quad cab
- Standard or premium trim
- Cummins 6.7 L turbo diesel
- Aisin electronically controlled, 6-speed automatic transmission

Configured to meet your specifications

OPTIONAL

- SCBA cavity seats
- Factory aluminum wheels
- Stainless steel wheel simulators
- 12,000 lbs. (5.44 Metric Ton) front bumper winch
- Color back-up camera
- Forward Looking Infrared (FLIR) camera
- Flexible center console map light
- Class V receiver hitch and 7-pin connector
- All-terrain tires
- Two-tone paint
- Camouflage paint patterns
- Adjustable shelves
- Roll-out adjustable trays
- Slide-out floor mounted trays
- Roll-out drop down trays
- Slide-out tool boards
- Dri-Deck rubber compartment floor matting
- Locking rollup compartment doors
- Horizontal tool mounting tracks
- LED rear body traffic advisor light
- Battery charger
- Shoreline
- Streamlight flashlights
- Rear upper scene lights with built-in optics
- Telescoping scene lights 12V
- Honda generator 120/240 VAC electrical outlets
- Telescoping 120V scene lights with generator pick
- Exterior receptacles with generator pick





We know how much is riding on your ability to perform. You need the right tools for the job. Get the dependable, most highly customizable apparatus in the world today – apparatus you can rely on every time. We offer a 10-year warranty on the plumbing and truck bodies, and we back our products with 24/7/365 service and support throughout the world. For speed and efficiency, you can get online parts and service at oshkoshmanuals.com or pierceparts.com. When performance is the only thing that matters, go confidently with the Oshkosh and Pierce Rapid Intervention Team.

Call your representative or go to oshkoshcorporation.com or www.piercemfg.com to learn more about the Stinger Q4™ Rapid Intervention Vehicle.

**Find out more about how Oshkosh and Pierce are your rapid intervention specialists,
delivering specific solutions for your specific rescue needs.**

www.oshkoshcorporation.com

www.piercemfg.com



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