Spartan Emergency Response builds a full line of custom pumpers that give you the power to perform. Our pumpers are built to work harder and longer at the scene, like all apparatus we build, each pumper is tested internally by our trained technicians, then again by a third party (Underwriters Laboratories®) to ensure all components are built to endure the most extreme pressures you witness each day.

Pumpers from Spartan Emergency Response are designed and engineered to meet any customer need, whether it involves a purpose built pumper uniquely engineered to customer or fleet specifications, or a pre-configured and pre-engineered pumper that enables quick delivery.
Pumpers from Spartan Emergency Response are all purpose-built and offer varying degrees of customization to allow for optimized usable space and a range of versatility such as multiple seating, rehabilitation, planning and preparation, and command configurations.

Safety
The Spartan Advanced Protection System® (APS) is the #1 safety system in the fire industry.

The Most Spacious
Spartan offers industry leading ergonomics and the most room available and in the places that count. This enables improved visibility, in-cab communications, storage and comfort.

Industry-Leading Maneuverability
Our vehicles provide the tightest turning radius and cramp angles allowing the customer more access and improved safety.

The Best Entry & Egress
Industry’s largest cab steps, lowest step height and tallest, widest cab doors allow for safe and efficient entry/egress.

Quality Standards
It all begins at the plant. Spartan manufacturing plants stand apart from the industry. Combine this with new quality, lean and continuous improvement systems, foundational engineering and you have the best quality fire truck available.

Maximized Space
All Spartan pumpers can be custom designed to meet the needs of your department. Smart storage configurations maximize the space and organization of your truck.

Through application of FMEA (Failure Mode and Effects Analysis) we engineer body options and minimize build hours. The pre-engineered pumpers from Spartan Emergency Response provide you with a low cost and quick delivery solution.

PRE-ENGINEERED

| Description | Modular systems driven by the latest computer-aided fabrication and assembly technologies that enable you to stack or arrange modules and create a variety of solutions. |
| Models | Top Control, Side Control |
| Construction Method | Modular |
| Body Material | Aluminum |

There’s one benefit to Spartan’s commitment to quality that only becomes obvious with time. It’s called reliability.

Enclosed full-depth storage above the wheel wells and body configurations increase usable storage space in your compartments.
Spartan Emergency Response engineers have developed proprietary solutions for those departments demanding multi-functional pumpers. Through a combination of unequaled industry knowledge of packaging, pump design, power take-off, and water flow we have developed a pumper lineup that meets or surpasses anything available today.

The Transformer and IPS (Intelligent Pump Solution) reset the standard in: (i) equipment carrying capacity, (ii) pump operation safety, (iii) maneuverability in tight spaces, and (iv) apparatus versatility.

Each custom pumper is constructed with Spartan's exclusive Tor-Max® and Tri-Max® body structure, and then set on the industry's first Vibra-Torq® mounting system. Combine this incredibly durable framework with our engineer's drive to design each truck with more usable compartment space, a custom designed tank, a lower center of gravity, an ergonomically correct control panel, and increased serviceability; You know what we mean when we say that Spartan is committed to building the best-in-class pumpers.

**CUSTOM PUMPERS**

| Description | Highly-engineered line of custom fire apparatus that can be configured to meet any customer requirement. |
| Models      | Top Control, Side Control, Rear Mount, Enclosed, IPS, Transformer |
| Construction Method | Tubular |
| Body Material Options | Stainless Steel or Aluminum |

**FEATURES**

- Delivers extra compartment space
- Reduces torsional resistance
- Improves structural stability
- Reduces vibration and stresses
- Provides a smoother ride
- Longer vehicle life
- Less maintenance and downtime

**INNOVATIVE SOLUTIONS**

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The Transformer and IPS (Intelligent Pump Solution) reset the standard in: (i) equipment carrying capacity, (ii) pump operation safety, (iii) maneuverability in tight spaces, and (iv) apparatus versatility.
Spartan pumpers incorporate features that allow you to focus on getting the job done. Smart storage, slide out trays, and smart step are just a few of the features that make operations more reliable and safe while on scene.

**Ergonomically Designed Storage Access**

**Smart Step Compartment Access**

**Our Commitment to Safety**

Spartan pumpers incorporate features that allow you to focus on getting the job done. Smart storage, slide out trays, and smart step are just a few of the features that make operations more reliable and safe while on scene.

**The Industry’s Best Safety System**

Spartan has always been committed to protecting the Firefighters who serve our communities. Spartan has reaffirmed its commitment by developing the patented Advanced Protection System® (APS). Standard on all Spartan cabs, the APS is a safety system that contains a number of industry first features and significant improvements to existing safety standards. Combining the new airbag and seat belt advancements with our traditional safety features makes the Spartan Advanced Protection System® unequaled in its occupant safeguards.

**Airbags**
- Steering Wheel
- Driver’s Knee
- Officer’s Knee
- Full Side Curtain

**Outboard Sensors**
- Side Impact
- Front Impact
- Rollover

**Advanced Seat Belts**
- Reduces pressure on chest and torso
- Limits internal injuries
- Pyrotechnic Pretensioners

**Cab Structure**
- Reinforced Engine Compartment
- Reinforced Roof Structure
- Forward-Roof Cab Design

**Controls**
- Electronic Stability Control *
- Interior Safety Lighting *

* Optional Safety Features

**Full Side Curtain Airbags**

**Industry First Patent Pending**

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**Advanced Climate Control**

Experience the new benchmark in cab comfort with an HVAC system rivaled by none.

- 317% improvement in air velocity
- Heater pull up from 0°F to 85°F is within 30 minutes
- Cabin cools from 120°F to less than 80°F within 30 minutes when under approximately 1,000 watts of solar loading
- Temperature variation held to 10°F from head to foot level
- Blend mode moves air to windshield and front occupants, and also pushes air to side glass to aid in visibility
- Easy serviceability of parts and washable filters
- Meets or exceeds seven SAE/ASTM standards

**OPTIMIZED ENGINE TUNNEL**

The optimized engine tunnel* increases the hip room for the driver and officer seating location, while also increasing the rear crew floor space behind the engine tunnel. All of this is accomplished without increasing the width of the 96” cab. The rear of the tunnel was pushed forward to give an additional 2” of leg room for the two center forward facing crew, increasing leg room by 3.8%.

5,827 cu. in. 
Overall cab volume increase

29”
Driver’s side door to side of tunnel (10% increased hip room)

27”
Officer’s side door to side of tunnel (11% increased hip room)

6.6%
Reduction in tunnel height

**Finite Element Analysis (FEA)** validates the strength and performance of our pumper design by monitoring stress points for material efficiency. This allows Spartan to maintain specific manufacturing standards. The aerial design has also undergone strain gauge analysis testing verifying the structural integrity and compliance with NFPA design standards.

**TOTAL CAB STRUCTURE**

- Reinforced Engine Compartment
- Reinforced Roof Structure
- Forward-Roof Cab Design

**Over 20,000 miles of performance and durability testing, replicating a broad set of conditions/atmospheres**

**Features**

- 317% improvement in air velocity
- Heater pull up from 0°F to 85°F is within 30 minutes
- Cabin cools from 120°F to less than 80°F within 30 minutes when under approximately 1,000 watts of solar loading
- Temperature variation held to 10°F from head to foot level
- Blend mode moves air to windshield and front occupants, and also pushes air to side glass to aid in visibility
- Easy serviceability of parts and washable filters
- Meets or exceeds seven SAE/ASTM standards
Our Smart Innovation's claim to fame is the Smart Storage around the wheel wells with SCBA, extinguisher, and hand tool storage as well as a clever floor dry dispensing system.

The Smart Storage compartments were designed to free up body compartment space and bring equipment to a more usable height.

### CUSTOM CAB STORAGE

### CUSTOM TOOL DRAWERS AND BOARDS

### SMART STORAGE

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**The Boomer®** is a one-of-a-kind fire-rescue device that redefines versatility by combining five emergency-rescue functions into a single, compact device.

**Features**

- **Reach**: 28 ft. reach brings tools to your scene
- **Lift**: 1,000 lb. lifting capacity
- **Power Extension**: Hydraulic and/or air tool connections
- **Illumination**: 6,000 watt light tower
- **Elevated Master Stream**: -10 to +90° with 360 degree rotation

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**AUXILIARY POWER UNIT (APU)**

The auxiliary power unit technology features the ability to automatically shut down the main engine, while allowing the APU to startup routinely. There are three options available: 12 volt system, 8kW unit, and a 16kW unit.

**Features**

- **Compact size**
- **Low maintenance**
- **Units will heat and cool cab & charge the batteries**
- **Auto shut-down of main engine when interlocks are met**
- **Approximately 2/3 less fuel consumption**

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**SPARTAN RAPID CAFS**

Spartan’s Rapid CAFS technology makes controlling and operating CAFS easy and simple. Once the pump is engaged and flowing water, simply push the Spartan Rapid CAFS button, triggering the system to inject foam and air into the appropriate discharge. The system automatically senses foam and water, eliminating slug flow.

**Features**

- **Manual valves or electronic controls simplifies the regulation of wet or dry CAFS**
- **Requires only one additional step in the pump-engage process**
- **Electrical system automatically actuates the injection of foam and air using state-of-the-art electronics and plumbing design engineering**