



## FALCON EX SERIES



## PRODUCT INFORMATION 2021

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## PRODUCT INFORMATION FALCON EX SERIES

### **General Information**

This is an overview of specifications for the Falcon EX Control System and Mockups. The system is designed to accommodate training in a manner which provides for safety first, while allowing for realistic training scenarios.

The training is designed to utilize Liquid Petroleum Gas (LPG) as the fuel source, in the vapor or liquid state.

The system includes a control console with a programmable logic controller, fail safe FM approved gas equipment and UL approved and listed components. All operational equipment is factory pre-assembled, tested and certified prior to delivery.

The system is designed and built utilizing the most current codes, standards and recommendations published for this type of equipment. The system's design and equipment will be tested compliant with the codes and standards.

The system is designed to meet both the minimum requirements for live fire training certification of entry level fire service personnel and advance training scenarios to provide refresher skills and meet ongoing training requirements for the seasoned veteran.

### **Equipment**

#### **Controls (Falcon 10 Controllers) - (FBG #10-000043 - DUAL) (FBG #10-000044 - QUAD)**

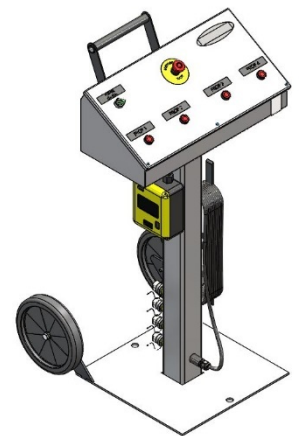
The operating system equipment includes the portable Falcon 10 Controller equipped with a Programmable Logic Controller (PLC). *(Available in Dual or Quad control configurations).*

The offered system provides operational control of all live fire training mockups from within the burn area utilizing wireless control technology or control console activation.

The control unit includes power activation control, burner management, pilot verification, burner verification and a hardwired emergency stop activation device.

The PLC in conjunction with the burner management system monitors and controls all operating functions including pilot activation, gas delivery and safety systems as required and creates realistic training scenarios by the operator utilizing the wireless control features.

The PLC is programmed to place the system in fail safe shut down in the event of safety device activation, manual e-stop depression, or system inaccuracy.





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The Falcon 10 Controller is labeled in compliancy to UL 508A and includes NEMA 4X rated enclosures. The system requires 120V-20A service for operation.

Falcon 10 Controllers, both Dual and Quad models, are compatible with Falcon EX, CX and DX Series mockups.

### **Wireless**

The wireless device is an industrial grade control system. The system includes a receiver and two transmitters. The device has the ability to control each ignition point and extension point (if applicable) from the handheld transmitter. The system is preprogrammed and includes a backup device for each burn area.

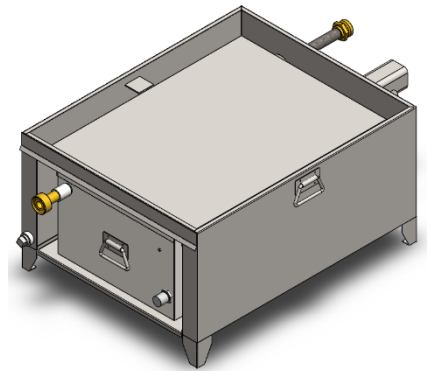
Each wireless handheld pendant controller, includes the following functions and features, at minimum:

- E-stop
- Dead man control
- Burner enable
- Pilot and burner flame activation
- Pilot and burner flame verification

### **System (Falcon EX IGP) - (FBG #10-000177)**

The Falcon EX IGP is an independent pilot and burner device. The IGP is designed to be completely portable and interchangeable with all Falcon EX mockups. The device includes ignition system components, gas delivery, and flame safeguard equipment. Components of the pilot and burner system are manufactured utilizing stainless steel to extend the life of the product.

The IGP includes electronic ignition, pilot and flame verification, makeup/combustion air, and provides constant monitoring of flame propagation. The device allows the instructor the ability to provide flame operation utilizing the Falcon EX 10 Controllers wireless handheld pendant. If a failure of adequate flame production occurs, the system is designed to automatically fail safe and shut down. If there is a failure of adequate flame production, the main valve, and all inline safety valves will fail safe closed. The IGP is designed to use LPG in the liquid and vapor state.



Included equipment:

- Quick connect LPG distribution hose – 50ft
- 10 pin electrical connection cable – 50ft
- Ground bar



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### ***Pilot Flame Status Monitoring***

Each pilot and burner include a burner management system that utilizes ultraviolet technology. Independent constant monitoring of flame propagation at each pilot and main burner is provided whenever power is supplied to the system. The system is designed to verify a safe atmosphere prior to and during all burn operations. The burner management system is interlocked with the gas delivery system and additional safety features and is designed to provide a failsafe closure of all operational components, if required, as specified in the NFPA 1402 and DIN 14097 Part 2.

### ***Safety***

Included equipment:

- Pilot and flame detection and monitoring
- NFPA compliant fuel delivery system
- Flame control valves
- Fail safe delivery system
- Automatic and manual shutdowns

### ***Code Compliancy***

NFPA 54	National Fuel Gas Code
NFPA 58	Liquefied Petroleum Gas Code
NFPA 70	National Electrical Code
NFPA 79	Electrical Standards for Industrial Machinery
NFPA 1001	Standard for Fire Fighter Professional Qualifications
NFPA 1402	Standard on Facilities for Fire Training and Associated Props
NFPA 1403	Standard on Live Fire Training Evolutions
UL 508A	Standard for Industrial Control Equipment
ANSI Z21 & 83	Series Standard for Gas Utilization Equipment
MIL STD 882D	Department of Defense Standard Practice for System Safety

### ***Commissioning and Testing***

The Falcon EX includes commissioning of the operational system. All components and safety features will be function tested at the factory prior to delivery. Upon delivery the systems operational and safety features will be retested and demonstrated to the Authority Having Jurisdiction for approval.

### ***Warranty***

The offered system includes a 1-year warranty on manufacturer defects and system component failures that occur during normal operations.

### ***Operational Training***

One (1) day, four (4) hours training class that includes set up, commissioning, operation and shut down/storage procedures for eight (8) instructors.



## PRODUCT INFORMATION FALCON EX SERIES

### ***Customer Supplied Materials***

LPG fuel source, first and second stage regulators with gauge, ACME connection fitting with code compliant shutoff, electrical service, and water source.

***Fireblast Global® Advantage*** – The control system utilizes high quality electronic components including PLC and flame sensors with burner management equipment that is available worldwide making service and maintenance items available locally.

***Fireblast Global® Advantage*** – Fireblast Global is a California Corporation with a 34,000 sqft manufacturing facility in Corona. All products are 100% made in the USA.

***Fireblast Global® Advantage*** – Fireblast Global has a culture of continuous improvement working to improve processes, products and the customer experience daily. Each member of our team is actively engaged in the learning culture that is modeled from Lean Manufacturing principals, better known as TPS or the Toyota Production System.

***Fireblast Global® Advantage*** – Fireblast Global is a Certified UL 508A panel building facility. All electrical control panels are label in compliancy. Additionally, all Fireblast products are tested in compliancy to all required codes and standards.

### ***Falcon EX Mockups***

#### ***Mockup Information***

This section is an overview of specifications for the Falcon EX Live Fire Training mockups.

#### **Training Objectives**

- Direct and indirect fire attack
- Exterior fire attack
- Fire suppression techniques
- Flammable vapor fire control
- Flammable liquid training
- Flammable gas training
- Vehicle firefighting and familiarization
- Helicopter firefighting and familiarization
- Pressurized flammable liquid control
- Tactics and strategies
- SCBA use



## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX 24FL - (FBG #10-000373)**

Includes a 4ft x 6ft stainless steel pan design.

A multi-burner flame production grid, representing a liquid spill.

HD casters for ease of movement around the training environment for varied training scenarios.

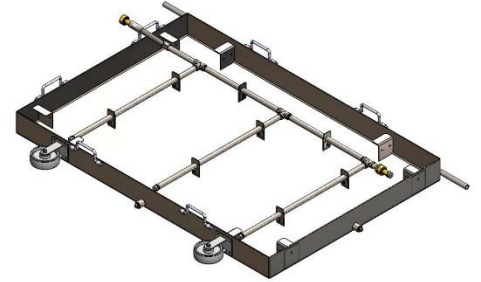
Vapor and liquid LPG capabilities.

The mockup can be utilized in conjunction with additional EX mockups.

Can connect to additional Falcon EX 24 and Falcon EX 32 mockups for larger spill configurations.

Falcon EX 24FL is designed for vertical storage for installation in the optional FLAG (Flammable Liquid and Gas) transport trailer.

Falcon EX 24FL requires the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX Series mockups.



### **Optional Features**

Walk on grating surface

Simulated OS&Y fuel shut-off





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX 24FS - (FBG #10-000374)**

Includes a 4ft x 6ft stainless steel pan design.

A multi-burner flame production grid, representing a liquid spill.

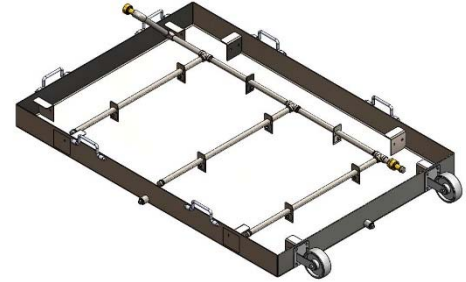
HD casters for ease of movement around the training environment for varied training scenarios.

Vapor and liquid LPG capabilities.

The mockup can be utilized in conjunction with additional EX mockups.

Can connect to additional Falcon EX 24 and Falcon EX 32 mockups for larger spill configurations.

Falcon EX 24FS requires the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX Series mockups.



### **Optional Features**

Walk on grating surface

Simulated OS&Y fuel shut-off





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX 32FL- (FBG #10-000375)**

Includes a 4ft x 8ft stainless steel pan design.

A multi-burner flame production grid, representing a liquid spill.

HD casters for ease of movement around the training environment for varied training scenarios.

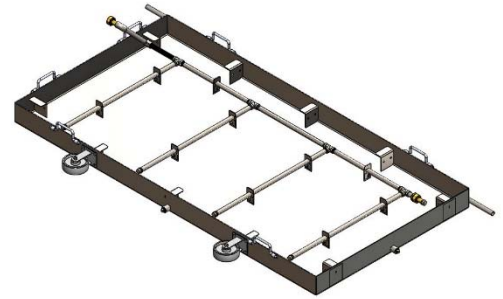
Vapor and liquid LPG capabilities

The mockup can be utilized in conjunction with additional EX mockups.

Can connect to additional Falcon EX 24 and Falcon EX 32 mockups for larger spill configurations.

Falcon EX 32FL is designed for vertical storage for installation in the optional FLAG (Flammable Liquid and Gas) transport trailer.

Falcon EX 32FL requires the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable, with additional Falcon EX series mockups.



### **Optional Features**

Walk on grating surface

Simulated OS&Y fuel shut-off







## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX 32FS - (FBG #10-000376)**

Includes a 4ft x 8ft stainless steel pan design.

A multi-burner flame production grid, representing a liquid spill.

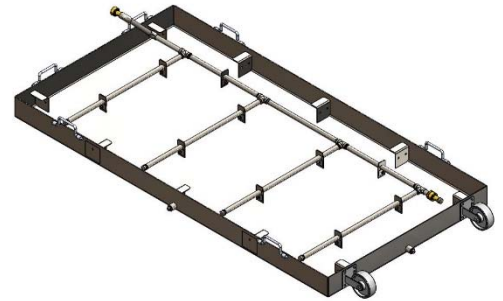
HD casters for ease of movement around the training environment for varied training scenarios.

Vapor and liquid LPG capabilities.

The mockup can be utilized in conjunction with additional EX mockups.

Can connect to additional Falcon EX 24 and Falcon EX 32 mockups for larger spill configurations.

Falcon EX 32FS requires the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

Walk on grating surface

Simulated OS&Y fuel shut-off





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX 100 - (FBG #10-000049)**

Includes a 100 sqft stainless steel pan design.

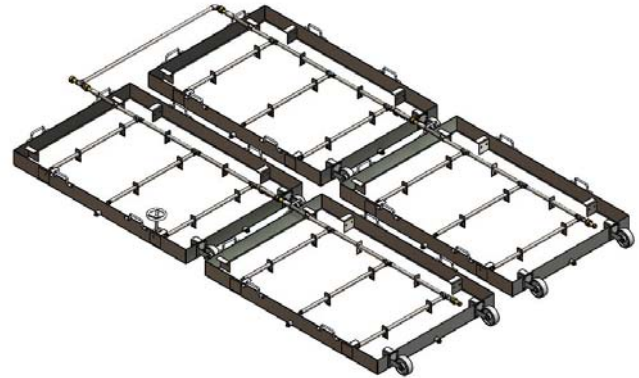
A multi-burner flame production grid, representing a medium flammable liquid spill.

HD casters for ease of movement around the training environment for varied training scenarios.

Vapor and liquid LPG capabilities.

The mockup can be utilized in conjunction with additional EX mockups.

Falcon EX 100 requires the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

Walk on grating surface

Simulated OS&Y fuel shut-off





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX 112 - (FBG #10-000377)**

Includes a 112 sqft stainless steel pan design.

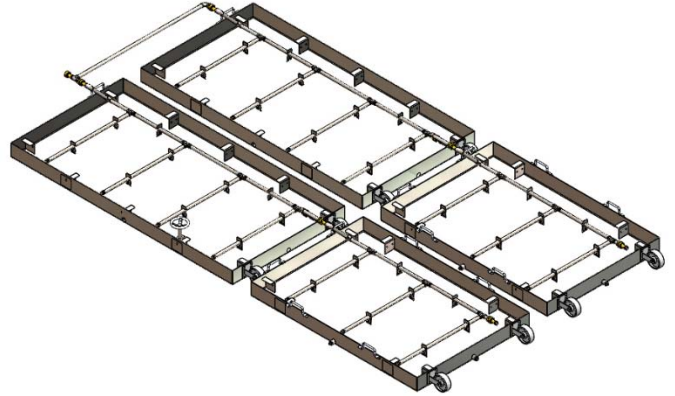
A multi-burner flame production grid, representing a medium flammable liquid spill.

HD casters for ease of movement around the training environment for varied training scenarios.

Vapor and liquid LPG capabilities.

The mockup can be utilized in conjunction with additional EX mockups.

Falcon EX 112 requires the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

Walk on grating surface

Simulated OS&Y fuel shut-off





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX 128 - (FBG #10-000050)**

Includes a 128 sqft stainless steel pan design.

A multi-burner flame production grid, representing a medium flammable liquid spill.

HD casters for ease of movement around the training environment for varied training scenarios.

Vapor and liquid LPG capabilities.

The mockup can be utilized in conjunction with additional EX mockups.

Falcon EX 128 requires the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

Walk on grating surface

Simulated OS&Y fuel shut-off





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX Fuel Spill 325 - (FBG #40-007488)**

Includes a 325 sqft stainless steel pan design.

A multi-burner flame production grid, representing a large flammable liquid spill.

Walk on grating surface.

Running fuel spill simulation with extension to four (4) independent zones.

Quickburner™ technology pilot and burner.

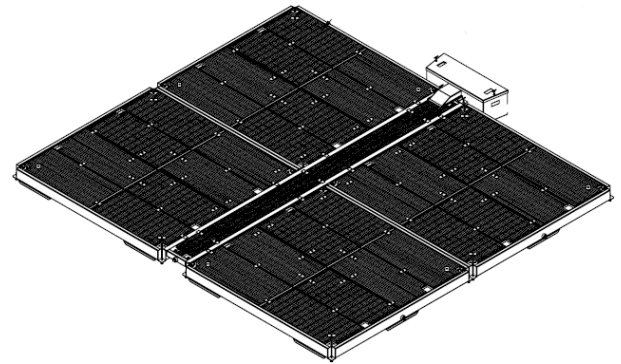
Vapor and liquid LPG capabilities.

The mockup can be utilized in conjunction with additional EX mockups.

Multi configurable to create FAA compliant spills for large index airport certification.

Requires mechanical assistance to relocate.

Falcon EX 325 requires the Falcon EX 10 Controller or DX Fire System if integrated with additional EX 325 units.



### **Optional Features**

Extension of additional Falcon EX 325 units





## PRODUCT INFORMATION FALCON EX SERIES

### ***Falcon EX Fuel Spill 1300 - (FBG #10-000018)***

Includes a 1300 sqft stainless-steel pan design.

A multi-burner flame production grid, representing a full-size flammable liquid spill.

Walk on grating surface

Running fuel spill simulation with extension to sixteen (16) independent zones.

Quickburner™ technology pilot and burner.

Vapor and liquid LPG capabilities.

The mockup can be utilized in conjunction with additional EX mockups.

Expandable and multi configurable to create FAA compliant spills for large index airport certification.

Requires mechanical assistance to relocate.

Falcon EX 1300 requires the Falcon DX Fire System for operation.



### ***Optional Features***

Extension of additional Falcon EX 325 units





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX BBQ - (FBG #10-000051)**

Includes a 3ft x 4ft heavy duty steel platform and BBQ mockup structure.

HD casters for ease of movement around the training environment for varied training scenarios.

Operational hinged grill hood.

A dual-burner flame production system, representing an LPG vessel line breach and grill fire.

Simulated fuel shut-off.

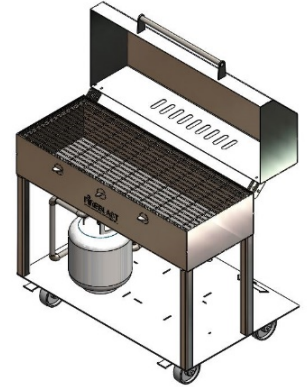
Vapor and liquid LPG capabilities.

Wheel chock securing devices with built-in travel holder.

Mockup includes built-in securing device for transport trailer application.

Designed for installation in the FLAG (Flammable Liquid and Gas) transport trailer.

Falcon EX mockups require the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

FLAG Transport Trailer – See Transporters Specification with 16, 20, 24 and 28ft models available





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX Car - (FBG #10-000056)**

Represents a mid-size vehicle with multiple burn zones.

Zones include engine fire, front and rear seat fires and trunk fire.

Mockup includes Heavy Duty (HD) construction.

HD casters for ease of movement around the training environment for varied training scenarios.

Includes functioning doors, trunk, and hood, with forcible entry hood latch.

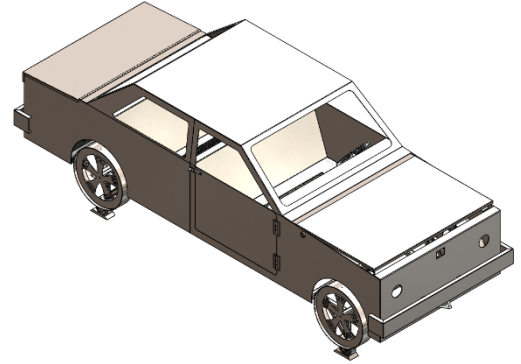
Vapor and liquid LPG capabilities.

Mockup includes static seats, dash, bumpers, and steering wheel.

Wheel chock securing devices with built-in travel holder.

Mockup includes built-in securing device for transport trailer application.

Car mockup requires the Falcon EX 10 Controller, Falcon EX IGP and Falcon EX 24FS for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

Transport Trailer – See Transporter Specifications with 24 and 28ft models available.

#### Smoke System

Requirements of 1300W/120V–20amp

Creates low visibility environments with 30,000 cfm continuous fogging.

Integrated timer and adjustable output with digital technology and wireless remote.

Fluid reservoir





## PRODUCT INFORMATION FALCON EX SERIES

**Fireblast Global® Advantage** – The prop is designed to represent a mid-size car, with Heavy Duty construction and frame panels welded in place to reduce thermal shock distortion. Bolt together mockups with replacement panels utilize lightweight construction, and a lower BTU rating /fire size, and distortion of remaining panels inhibit reconstruct ability.

**Fireblast Global® Advantage** – The Falcon EX Car Trainer does not require a mandatory cool down period or cooling system to avoid damage to the prop and inhibit training. The trainer is designed to allow for continuous burning with a full range of flames throughout the training exercise.

**Fireblast Global® Advantage** – The smoke distribution system provides high output at up to 30,000 cfm, exceeding the industry standard.





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX Dumpster - (FBG #10-000062)**

Includes a 6ft x 5ft heavy duty steel mockup structure.

Flexible portable design allows for easy storage. Storage dimensions are 6ft x 1ft.

HD casters for ease of movement around the training environment for varied training scenarios.

Tee handle easy assembly.

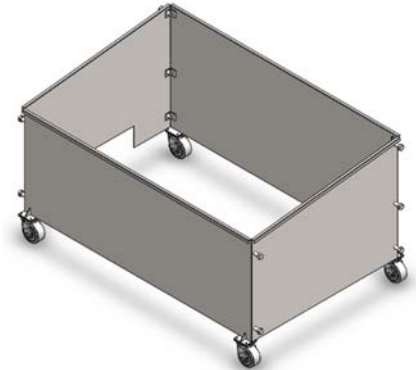
Vapor and liquid LPG capabilities.

Wheel chock securing devices with built-in travel holder.

Mockup includes built-in securing device for transport trailer application.

Designed for installation in the FLAG (Flammable Liquid and Gas) transport trailer.

Falcon EX dumpster mockup requires the Falcon EX 10 Controller, Falcon EX IGP and Falcon EX 24FS for operation. Falcon control systems are interchangeable, with additional Falcon EX series mockups.



### **Optional Features**

FLAG Transport Trailer – See Transporter Specifications with 16, 20, 24 and 28ft models available.





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX Gas Meter - (FBG #10-000076)**

Includes a 3ft x 4ft heavy duty steel platform and gas meter mockup structure.

HD casters for ease of movement around the training environment for varied training scenarios.

Burner flame production system, representing an NG line rupture and meter fire.

Fuel/fire shut-off valve.

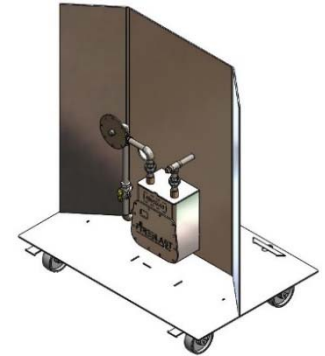
Vapor and liquid LPG capabilities.

Wheel chock securing devices with built-in travel holder.

Mockup includes built-in securing device for transport trailer application.

Designed for installation in the FLAG (Flammable Liquid and Gas) transport trailer.

Falcon EX mockup requires the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

FLAG Transport Trailer – See Transporter Specifications with 16, 20, 24 and 28ft models available.





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX Helicopter - (FBG #10-000080)**

Represents a medium size commercial or military helicopter with multiple burn zones.

Zones include cockpit fire, front and rear seat fires, engine rotor fire and fuel spill.

Mockup includes Heavy Duty (HD) construction.

HD casters for ease of movement around the training environment for varied training scenarios.

Includes functioning cockpit and passenger side doors.

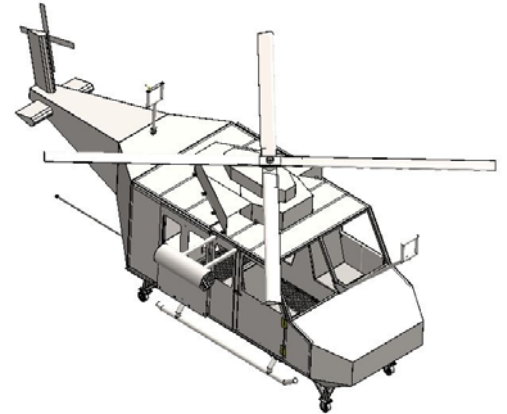
Mockup includes static seats, dash console, front and rear rotors (Retractable and secured for travel), and landing skids.

Vapor and liquid LPG capabilities.

Wheel chock securing devices with built-in travel holder.

Mockup includes built-in securing device for transport trailer application.

Helicopter mockup requires the Falcon EX 10 Controller, Falcon EX IGP and Falcon EX 24FS for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

Side mounted military guns/missile device

Simulated fuel shut-off for fuel spill

Battery compartment

Transport Trailer – See Transporter Specifications with 24 and 28ft models available

Smoke System

Requirements of 1300W/120V–20amp

Creates low visibility environments with 30,000 cfm continuous fogging

Integrated timer and adjustable output with digital technology and wireless remote.

Fluid reservoir



## PRODUCT INFORMATION FALCON EX SERIES

**Fireblast Global® Advantage** – The prop was designed to represent a mid-size helicopter with Heavy Duty construction and frame panels welded in place to reduce thermal shock distortion. Bolt together mockups with replacement panels utilize light weight construction, and a lower BTU rating /fire size, and distortion of remaining panels inhibit reconstruct ability.

**Fireblast Global® Advantage** – The Falcon EX Helicopter does not require a mandatory cool down period or cooling system to avoid damage to the prop and inhibit training. The trainer is design to allow for continuous burning with a full range of flames throughout the training exercise.

**Fireblast Global® Advantage** – The smoke distribution system provides high output at up to 30,000 cfm, exceeding the industry standard.





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX PV 100 - (FBG #10-000089)**

Includes a 3ft x 4ft heavy duty steel platform with dual 100-gallon LPG cylinders.

HD casters for ease of movement around the training environment for varied training scenarios.

Burner flame production system, representing an LPG line rupture and impingement fire.

Fuel/fire shut-off valve.

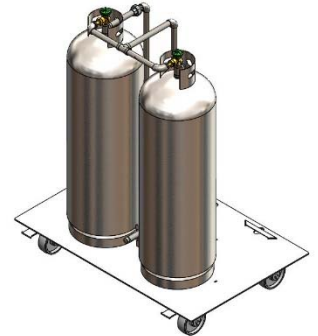
Vapor and liquid LPG capabilities.

Wheel chock securing devices with built-in travel holder.

Mockup includes built-in securing device for transport trailer application.

Designed for installation in the FLAG (Flammable Liquid and Gas) transport trailer.

Falcon EX mockup require the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

FLAG Transport Trailer – See Transporters Specification with 16, 20, 24 and 28ft models available.





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX PV 250 - (FBG #10-000091)**

Includes a 3ft x 4ft heavy duty steel platform with a simulated 250-gallon LPG cylinder.

HD casters for ease of movement around the training environment for varied training scenarios.

Burner flame production system, representing an LPG tank impingement fire with pressure relief.

Locking hinged valve cover.

Simulated Fuel/fire shut-off valve.

Vapor and liquid LPG capabilities.

Wheel chock securing devices with built-in travel holder.

Mockup includes built-in securing device for transport trailer application.

Designed for installation in the FLAG (Flammable Liquid and Gas) transport trailer.

Falcon EX mockup require the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

FLAG Transport Trailer – See Transporters Specification with 16, 20, 24 and 28ft models available.





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX Split Flange - (FBG #10-000092)**

Includes a 3ft x 4ft heavy duty steel platform with an industrial OS&Y.

Mockup construction of sch 40 pipe, 4in diameter.

HD casters for ease of movement around the training environment for varied training scenarios.

Burner flame production system, representing a rupture in the flange connection.

OS&Y fuel shut-off valve.

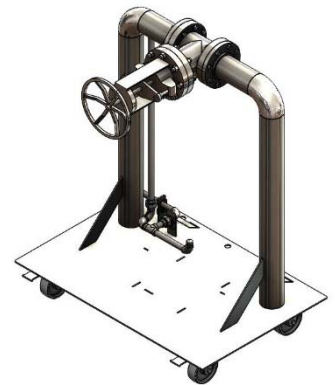
Vapor and liquid LPG capabilities.

Wheel chock securing devices with built-in travel holder.

Mockup includes built-in securing device for transport trailer application.

Designed for installation in the FLAG (Flammable Liquid and Gas) transport trailer.

Falcon EX mockup require the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

FLAG Transport Trailer – See Transporters Specification with 16, 20, 24 and 28ft models available.







## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX Xmas Tree - (FBG #10-000100)**

Includes a 3ft x 4ft heavy duty steel platform with a piping structure simulated Xmas tree.

Mockup design replicates pipes arranged vertical and horizontally in a grid commonly found on industrial oil and gas platforms.

Grid materials utilize sch 40 stainless steel pipe mounted to the base platform.

HD casters for ease of movement around the training environment for varied training scenarios.

Burner flame production system, representing a fuel line relief fire.

Simulated fuel shut-off.

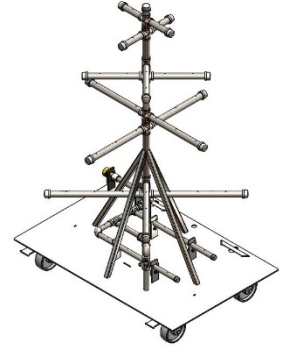
Vapor and liquid LPG capabilities.

Wheel chock securing devices with built-in travel holder.

Mockup includes built-in securing device for transport trailer application.

Designed for installation in the FLAG (Flammable Liquid and Gas) transport trailer.

Falcon EX mockup require the Falcon EX 10 Controller and Falcon EX IGP for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

FLAG Transport Trailer – See Transporters Specification with 16, 20, 24 and 28ft models available.





## PRODUCT INFORMATION FALCON EX SERIES

### ***Falcon EX Box Truck- (FBG #10-000381)***

Represents a small Class B commercial enclosed delivery truck with multiple burn zones.

Zones include engine with cab fire and cargo fire.

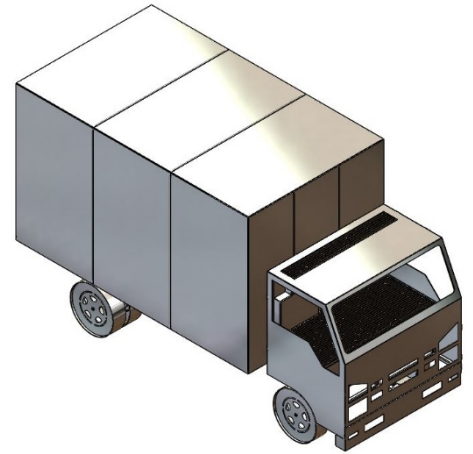
Mockup includes Heavy Duty (HD) construction.

The unit is designed to be fixed mounted or relocatable with mechanical assistance.

Mockup includes static seats, and functioning driver and passenger side doors.

Vapor and liquid LPG capabilities.

Box Truck mockup requires the Falcon EX 10 Controller, Falcon EX IGP and Falcon EX 24FS for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### ***Optional Features***

#### Smoke System

Requirements of 1300W/120V–20amp

Creates low visibility environments with 30,000 cfm continuous fogging.

Integrated timer and adjustable output with digital technology and wireless remote.

Fluid reservoir





## PRODUCT INFORMATION FALCON EX SERIES

### **Falcon EX Stake bed Truck- (FBG #10-000382)**

Represents a Small Class B commercial flatbed delivery truck with multiple burn zones.

Zones include engine with cab fire and cargo fire.

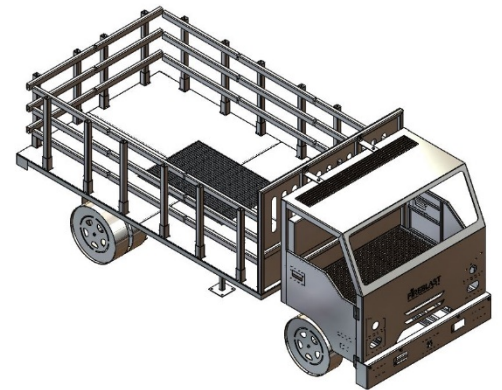
Mockup includes Heavy Duty (HD) construction.

The unit is designed to be fixed mounted or relocatable with mechanical assistance.

Mockup includes static seats, and functioning driver and passenger side doors.

Vapor and liquid LPG capabilities.

Stake Bed Truck mockup requires the Falcon EX 10 Controller, Falcon EX IGP and Falcon EX 24FS for operation. Falcon control systems are interchangeable with additional Falcon EX series mockups.



### **Optional Features**

#### Smoke System

Requirements of 1300W/120V–20amp

Creates low visibility environments with 30,000 cfm continuous fogging

Integrated timer and adjustable output with digital technology

Fluid reservoir and a distribution center





## PRODUCT INFORMATION FALCON EX SERIES

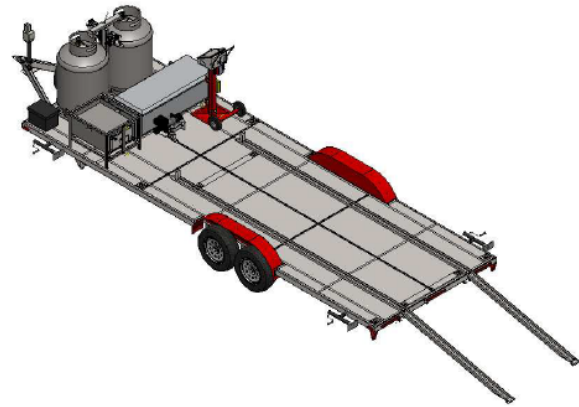
### ***Falcon Transporters***

Select Falcon Series prop designs include built-in securing devices for transport trailer application. Fireblast offers two (2) transporter designs to choose from, open and enclosed, in a variety of sizes to best fit your chosen Falcon EX mockups. The Falcon FLM and Falcon ECM offer the ability to transport the training device(s) to any location and create realistic training scenarios. Trailers are built under DOT compliancy and include required lighting, markings, and safety equipment. Trailers are designed as tandem axle tow behind trailers. Three (3) axle trailers, gooseneck and 5<sup>th</sup> wheel units are also available upon request.

The Falcon FLM is a flatbed transporter available in 20, 24, 28 and 30ft models.

### ***Falcon FLM Features***

- Steel frame construction
  - 12k Tandem axle trailer
  - Electric brakes
  - Heavy duty load E tire rating
  - Spare tire and mount
  - DOT lighting and reflectors
  - Two (2) 420lb LPG cylinders
  - LPG fuel distribution and regulation
  - Fuel safety shut off location
  - Floor track guide system
  - Four (4) Support jacks
  - Loading ramps
  - Storage box
  - Battery with vehicle charging capabilities
  - Designated and secured anchor locations for all operation equipment
  - 8,000lb loading winch – (Included with Falcon Car and Falcon Helicopter units)
- \*Falcon Car and Falcon Helicopter require a minimum 24ft transporter.



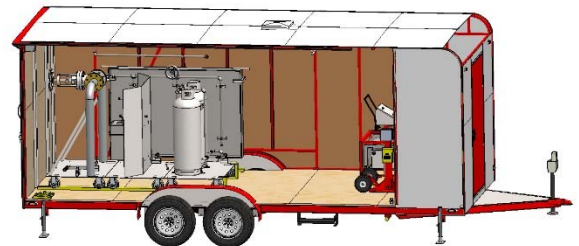


## PRODUCT INFORMATION FALCON EX SERIES

The Falcon Transporter ECM, better known as the “FLAG Trainer” (Flammable Liquid and Gas Trainer) is an enclosed trailer that is available in 16, 20, 24 and 28ft models.

### **Falcon ECM Features**

- Steel frame construction
- 12k Tandem axle trailer
- Electric brakes
- Heavy duty load E tire rating
- Spare tire and mount
- Exterior .040 white aluminum baked enamel finish
- Single piece aluminum roof
- Roof vents
- Interior dome lights
- Side entrance step
- DOT lighting and reflectors
- Two (2) 420lb LPG cylinders
- LPG fuel distribution and regulation
- Fuel safety shut off location
- Floor track guide system
- Four (4) Support jacks
- Loading ramps
- Battery with vehicle charging capabilities
- Designated and secured anchor locations for all operation equipment
- 8,000lb loading winch – (Included with Falcon EX Car)
- \*Falcon Car requires a minimum 24ft transporter.
- \*Falcon Helicopter enclosed transporter not available.



### **Optional Features**

Choice of exterior enamel from Fireblast color chart

Enclosed LPG storage area





## PRODUCT INFORMATION FALCON EX SERIES

### ***Falcon Transporter LPG***

The Falcon Transporter LPG is designed as a fuel storage transporter. The unit includes a 10ft flatbed trailer equipped with a 250-gallon LPG storage tank and fuel discharge system. The trailer is designed as a tandem axle tow behind unit to be utilized within the training center, reducing the need for remote fuel stub up locations. This flexibility offers the instructor to utilize Falcon EX Series mockups throughout the training center for varied scenarios. The trailer is built under DOT compliancy and includes required lighting, markings, and safety equipment.

### ***Falcon LPG Features***

- Steel frame construction
- 7k Tandem axle trailer
- Hydraulic brakes
- DOT lighting and reflectors
- One (1) 250-gallon LPG cylinder
- LPG fuel distribution and regulation
- Fuel safety shut off





## PRODUCT INFORMATION FALCON EX SERIES

**Fireblast Global® Advantage** – The control system utilizes high quality electronic components including PLC and flame sensors with burner management equipment that is available worldwide making service and maintenance items available locally.

**Fireblast Global® Advantage** – Fireblast Global is a California Corporation with a 34,000sqft manufacturing facility in Corona. All products are 100% made in the USA.

**Fireblast Global® Advantage** – Fireblast Global has a culture of continuous improvement working to improve processes, products and the customer experience daily. Each member of our team is actively engaged in the learning culture that is modeled from Lean Manufacturing principals, better known as TPS or the Toyota Production System.

**Fireblast Global® Advantage** – Fireblast Global is a Certified UL 508A panel building facility. All electrical control panels are labeled in compliancy. Additionally, all Fireblast products are tested in compliancy to all required codes and standards.

*\*\*GSA Contract Number – 47QSWA20D007M*



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