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company



## PRODUCT CATALOGUE

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- 4. The SwiftCAF<sup>®</sup> family of products**
- 5. VMDS<sup>™</sup> Vehicle Modular  
Decontamination System**

## Macaw® Backpack

Use the Macaw CAF backpack for rapid fire suppression today, decontaminate an area with it tomorrow, and use it for HAZMAT remediation the next day. Simply rinse out the tank and fill it with the appropriate solution for the situation.

Self-contained, the Macaw is widely used by the US Military as well as wildland fire and industry professionals. Ease of the operation has been combined with rugged construction to create a portable system that is reliable and ready for instant response in the most demanding situations.



### ADVANTAGES

Much more powerful than the standard extinguisher

Its carried water can be multiplied up to 175 gallons of finished foam with up to a 30-foot throw distance

The perfect rapid-response unit for laying down wet lines, controlling flare-ups, hot spotting, knockdown, and more

Comfortable, Ergonomic Design

Adaptable for a Wide Range of Air Cylinders

Drafting Capabilities Which Enable Pumping Water Uphill from a Natural Source

### SPECIFICATIONS:

- System Dimensions: 67.31 cm (H) x 43.94 cm (W) x 33.02 cm (D)
- Operating Pressure: ~ 6.9 BAR
- Liquid Capacity: 5 gal. (19 L)
- Projection Distance: ~ 9.14 m
- Foam Expansion: ~35:1
- System Weight Dry (w/o cylinder): ~ 7.9 kg; w/empty air cylinder add~5.44 kg
- System Weight Full (w/5 gal. (19 L) liquid & full air cylinder): ~ 32.66 kg
- Discharge Hose: 1.52 m; diameter 1.27 cm
- Standard Nozzle: Intelagard Smooth Bore



## Macaw® Backpack

### FEATURES:

- Compatible with a wide range of air cylinders (7" (17.78 cm) diameter or less)
- Complete system; independent of hoses or other umbilical support
- Front view pressure gauge to check cylinder pressure
- Low pressure air connection for alternate power source use
- On-demand foam expansion control
- Accessory gear pouch for convenient carrying option
- Handset with pistol grip trigger with lockable action handset for point-and-shoot activation
- Adjustable harness for variable fit and load distribution with comfortable, ergonomic fit
- 66 cu. ft. cylinder empties 5 gal. (19 L) tank up to ~4 times
- Dependable performance, high-quality construction and components



### OPTIONS

310.26) 4500  
SCBA, (BAR  
carbon-wrapped  
air cylinder  
CGA and DIN)  
(valves available)

Air cylinder  
sleeve

Extensive  
nozzle and foam  
selections

Choice of  
colors: Safety  
Yellow  
(standard),  
Desert Tan

Mountable  
powder coated  
steel storage  
rack

## Merlin® Handcart

Used in situations ranging from fire to decontamination, the Merlin is the perfect multi-purpose tool for any first responder. Chosen by FEMA and other federally funded agencies, the Merlin can be deployed independently of any umbilical support and has twin tanks for the storage and use of a multitude of foams and decontamination agents.

Versatility makes the Merlin perfect for a wide variety of emergency applications. It is specially designed for users wearing PPE, making it the ideal tool for HAZMAT and decontamination situations. The removable CAF module and drafting capability of the Merlin make it a truly innovative emergency response tool for today's first responders.



### FEATURES

Patented on-demand binary blending

Variable foam composition between twin tanks

Ergonomic handcart provides convenient lifting

points and smooth rolling operation

Adjustments for flow balancing

Visual tank content sight-tubes

Pistol grip trigger-action handset

Wide mouth fill ports and drain plug

Air compressor port

Drafting capability

facilitate system flushing and cleaning

Fully self-contained

Removable CAF module



Removable CAF (Compressed Air Foam) module may be used for a variety of purposes.

## Merlin® Handcart

### SPECIFICATIONS:

- System Dimensions: 125.1cm (H) x 48.89 cm (W) x 60.33 cm (D)
- Operating Pressure: 6.9 BAR
- Liquid Capacity: 14 gal (52.99 L)
- Projection Distance: Up to ~ 13.7 m
- Foam Expansion: Up to ~35:1
- System Weight Dry (w/o cylinder): ~ 36.6 kg w/empty air cylinder add 5.44 kg
- System Weight Full (w/14 gal. (52.99 L) and full air cylinder): ~ 101.6 kg
- Standard Hose: 6.1 m; diameter 1.9 cm
- Nozzle: Intelgard Smooth Bore



### OPTIONS

Wide  
selection of  
nozzles

Foam  
formulas

Solid cart  
wheels

Custom  
handset  
diameters  
and hose  
lengths  
available

4500 psi  
(310.26 BAR)  
air cylinder

Drafting  
hose

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## Merlin® MP

First responders can now add a ground-breaking new CAF system to their foam deployment toolbox - the Merlin MP. Compact performance, power, and reliability define this new product from Intelagard. Specifically designed as a highly mobile, quick-attack unit for use in hard-to-access places, this completely portable CAF system is adaptable to a variety of situations.

The Merlin MP can be used in its self-contained configuration, or as a powerful drafting unit. Transport this miniature powerhouse in any light to a medium-sized vehicle! Firefighters, wildland professionals, and hazmat remediators are just a few of the first responder personnel who will find this piece of equipment irreplaceable.



### FEATURES

High-performance handset

Quick release CAF module

Quick-release plumbing connections

Adjustable air injection

SCBA cradles

Rugged utility frame

Air compressor port

Wide mouth fill port

Drafting capability

Fully self-contained

3

## Merlin® MP

### SPECIFICATIONS

- System Dimensions: 99.06 cm (L) x 78.74 cm (W) x 55.88 cm (H)
- Operating Pressure: ~ 6.9 BAR
- Liquid Capacity: 26 gal. (98.42 L)
- Projection Distance: Up to ~13.7 m
- Foam Expansion: Up to ~35:1
- System Weight Dry (w/o cylinders): ~40 kg w/(2) empty cylinders add ~11 kg
- System Weight Full (w/26 gal. (98.42 L) and (2) full air cylinders: ~ 150 kg
- Standard Hose: 6.1 m; diameter 1.9cm
- Handset/Nozzle: Intelagard High-Performance Handset with Smoothbore Nozzle

### OPTIONS

Wide selection  
of nozzles

Foam formulas

Custom  
handset  
diameters and  
hose lengths  
are available

4500 psi  
(310.26 BAR) air  
cylinder

Drafting hose

## The SwiftCAF® family of products

A self-contained, compact, and multipurpose CAF module designed specifically to meet the needs of first responders. Available in a variety of configurations, this versatile CAF technology is suitable for applications ranging from mop-up to large-scale decontamination.

Whether incorporated into an ATV unit responding to fire danger in a remote restricted access area, a portable skid unit attached to a decontamination tent for personnel decon, or a brush truck to add CAF capability, the SwiftCAF is perfectly suited for rapid attack or response.



### FEATURES

Quick connect fittings

Compact yet powerful

Drafting capability

May be used with a wide variety of foams and solutions

Multiple air power sources

Extreme portability

Rugged impact resistant case

Unique quick mounting platform

### SPECIFICATIONS

- Case Dimensions: 11.125 cm (H) x 27.31 cm (W) x 19.38 cm (D)
- Operating Pressure: 6.9 BAR
- Projection Distance: Up to ~ 10.7 m
- Foam Expansion: Up to ~35:1
- Case Weight: ~ 2.6 kg



## The SwiftCAF® family of products



SwiftCAF Case  
PART NO:  
46191601-V80



SwiftCAF MP  
PART NO:  
w/o cylinder: 46191601-V271  
w/cylinder: 46191601-V236



SwiftCAF ATV  
PART NO:  
w/o cylinder: 46191601-V804  
w/cylinder: 46191601-V224

## OPTIONS

Wide variety of  
nozzles

Drafting and  
handset hoses

MP or ATV mount  
platforms

4500 psi (310 BAR)  
air cylinder

# VMDS™ Vehicle Modular Decontamination System

The VMDS is a developmental high-mobility decontamination system designed for use on multiple lights to heavy vehicle platforms, with the mission of providing large-scale terrain and hardened military equipment decontamination. This versatile system can deploy legacy, current, and near-future decontamination solutions such as STB, HTH, GPD, and EasyDECON® DF200. Mounted on co-poly skid units, each modular unit is easily moved and mounted for fast and effective mission response.

The VMDS Power Module incorporates a diesel engine and compressor for reliable and capable functionality requires little maintenance and is easy to operate. Customizable liquid storage tanks range in size from 100 to 1000 gallons and stainless steel plumbing and fixtures assure compatibility with the most corrosive decontamination solutions.

The VMDS has additional plug-and-play options such as a remote-controlled monitor, front and rear spray bars, a variety of nozzles, and multiple hose configurations available. It maximizes decontaminant solution and water carrying capacity and hence provides improved coverage before having to reload.

VMDS  
(Vehicle  
Modular  
Decontamina  
tion System)  
mounted on  
M1083



## FEATURES

ea. 1.5 in. line 3  
discharge

3 ea. 1 in. line  
discharge

Zero prime drafting  
with up to ~20 ft.  
vertical lift

Diesel Engine: 24.8  
hp @ 3600 rpm

Compressor CFM  
~95, 100 psi

Dial Adjustable  
Foam  
Proportioning:  
wet/dry

System modules  
mounted on durable  
polypropylene skid  
platforms

Baffled tanks  
reduces liquid  
movement & load  
shift

# VMDS™ Vehicle Modular Decontamination System

## STANDARD SPECIFICATIONS:

- Power Module Dimensions (L x W x H): ~ 48 in. x 27.5 in. x 38.25 in.
- Operating Pressure: ~100 psi
- Fuel Consumption: ~1.1 gph
- Tank Liquid Capacity: 100 gal - 1000 gal
- Expansion: 1:1 to ~10:1
- Projection Distance: Up to ~ 90 ft
- Power Unit Weight Dry: ~985 lb
- Power Unit Weight Full: ~1000 lb
- Hose:  
2 ea. 100 ft x 1.5 in flat lay w/EZLink connectors at each end  
20 ft. x 1 in. draft hose w/ stainless steel basket
- Standard Bail/Nozzles: 1.5 in. NST(NH) Bale with 3/8 in.; 1/2 in.; 5/16 in. (optional) Smoothbore Nozzles & adjustable Fog Nozzle



## OPTIONS

Macaw®  
Backpack(s) /  
mounts

Foam Monitor:  
remote control,  
360° operation

Monitor  
camera to track  
spray location

Spray bar(s) for  
ground  
decontamination

SwiftCAF®  
precision  
decontamination  
add-on kit

Binary tanks  
to  
accommodate  
multipart  
formulas

Various hose  
and reel  
configurations

Customizable  
flat lay fire hose  
and  
containment  
compartments

Extensive  
nozzle selection

Foam formulas