AQUEOUS FILM FORMING FOAM (AFFF)

Aqueous Film Forming Foam (AFFF) - is a specially formulated synthetic concentrate. A vapor suppressing aqueous film is formed by foam solution draining from the expanded foam blanket. These products are intended for use at proportioning rates of 1%, 3% and 6% on Class B hydrocarbon type fuels such as; crude oils, gasoline, kerosene, diesel fuel and aviation fuels. AFFF’s also exhibit excellent wetting characteristics when used on Class A fires. Both aspirating and water fog type nozzles are suitable when using these foams. Either fresh or sea water may be mixed with these foams to achieve excellent results.

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Description</th>
<th>Benefits</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC719</td>
<td>3% AFFF</td>
<td>An Industry Standard, the Most</td>
<td>$122.95/pail</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Commonly Used AFFF</td>
<td></td>
</tr>
<tr>
<td>BN628</td>
<td>3% AFFF</td>
<td>Highest Quality AFFF Available</td>
<td>$127.95/pail</td>
</tr>
<tr>
<td></td>
<td>Mil. Spec</td>
<td>on QPL MIL-F-24385F Listed</td>
<td></td>
</tr>
<tr>
<td>AC720</td>
<td>6% AFFF</td>
<td>Lowest Cost AFFF</td>
<td>$101.95/pail</td>
</tr>
<tr>
<td>AS292</td>
<td>1% AFFF</td>
<td>Requires Less Concentrate Than 3% or 6% Products</td>
<td>$260.95/pail</td>
</tr>
</tbody>
</table>

ALCOHOL RESISTANT AQUEOUS FILM FORMING FOAM (AR-AFFF)

Alcohol Resistant Aqueous Film Forming Foam (AR-AFFF) - is specially formulated with a physical polymer membrane/barrier between the fuel surface and the foam blanket. They are intended to be used at proportioning ratios of 1% and 3% for hydrocarbon fuels and 3% or 6% for polar fuels such as alcohol, ketones, methanol and MTBE products. AR-AFFF’s may also be used on Class A fires. AR-AFFF’s suppress the hazardous vapors emitted from these polar and hydrocarbon fuels. Chemguard’s AR-AFFF’s are suitable for use with foam chambers, standard water fog nozzles, air-aspirating nozzles and foam makers.

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Description</th>
<th>Benefits</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC717</td>
<td>3%-6% AR-AFFF</td>
<td>Concentrate for Use on Both Hydrocarbon and Polar Solvent Fuel Fires</td>
<td>$132.95/pail</td>
</tr>
<tr>
<td>AS291</td>
<td>3%-3% AR-AFFF</td>
<td>AR-AFFF Keep Mixture Ratio the Same for all Fires, Eliminate Costly Mistakes</td>
<td>$163.95/pail</td>
</tr>
<tr>
<td>BD197</td>
<td>1%-3% AR-AFFF</td>
<td>Highest Quality AR-AFFF Cost Effective 1% Hydrocarbon and 3% Polar Solvents</td>
<td>$233.95/pail</td>
</tr>
</tbody>
</table>
CLASS A PLUS FOAM CONCENTRATE

Chemguard Class “A” is a non-corrosive, non-toxic, biodegradable foam concentrate. When mixed with water in the correct proportion, it changes the properties of the water, and produces foam, which allows the water to cling to vertical or horizontal surfaces without run off. This allows the water to absorb more heat and provides greater penetration into Class “A” fuels. Ship wt. 45 lbs.

NEW LOW PRICE

PHOS-CHEK® CLASS A FOAM

Phos-Chek® Class A foam provides superior foam generation and is the most concentrated Class A foam product available today. Phos-Chek® is a unique combination of surfactants that make water more effective for fire fighting. Phos-Chek® has been tested and approved for use by the U.S. Forest Service. U.S. Forest Service testing includes product Environmental, Health & Safety, and Corrosion criteria. Phos-Chek® is also a U.L. listed Wetting Agent at a very low use rate of 0.1% for Class A and 0.25% for Class B fires. Phos-Chek® meets the requirements of NFPA 1150, contains no EPA listed hazardous materials, and is readily biodegradable. Phos-Chek® works extremely well with CAFS at ratios of 0.2 to 0.3%. Ship wt. 45 lbs.

PRECISION FOAM TESTING KIT

The Precision Foam Testing Kit is designed to simplify the process of testing foam systems for proportioning accuracy. This kit utilizes liquid conductivity and a precision digital scale to accurately prepare standards and test discharge samples; the same method used by nationally recognized testing laboratories when testing systems for listing and approval. Ship wt. 6 lbs.

INCLUDES:
- Protective carrying case with foam protective padding
- Precision digital electronic 250 gram scale with 0.1 gram accuracy
- 6 - 150ml graduated sample beakers
- 100ml graduated cylinder
- 250ml wash bottle
- 2 - 10ml sample pipettes (12”L)
- 5 - 3ml sample pipettes (6”L)
- 500ml water sample bottle
- 2 - 10ml sample syringes
- 10 - Test charts (reproducible)
- Instruction manual

SOLD IN 5-GALLON PAILS
AC721 Class A Plus Foam Concentrate $97.95/pail

SOLD IN 5-GALLON PAILS
BL712 Class A Foam Concentrate & Wetting Agent $89.95/pail

SOLD IN VARIOUS VOLUME AND QUANTITIES, SEE BELOW
AS285 Phos-Chek® Class A Foam 5-gal. Container $109.95/pail
AS286 Phos-Chek® Class A Foam 4 oz./Case of 36 $102.95/case
AS289 Phos-Chek® Class A Foam 55-gal. Drum $1,152.95/drum
Making great foam is easy with the PRO/pak. Everything you need is contained in one lightweight package that attaches to the end of your 1” fire hose. It can work on pressures as low as 50 psi. With its small size and versatile nozzles you can have foam capability without the expense of built-in systems costing thousands of dollars. Features a high-impact 2½ gallon foam reservoir with built-in eductor that can be set to the ratio of your choice. Large, easy-open fill port has an indicator to show the type of liquid in the tank. The flow is controlled by a twist grip valve/carrying handle. With each quarter turn you select the discharge velocity for inlet pressures between 40 and 500 psi. System comes complete with a straight stream nozzle, low expansion nozzle and medium expansion nozzle. Nozzles can be directly attached to the eductor for one-handed operation, or a short section of hose can be added for maneuverability. Designed for Class A 3% or 6% AFFF & AR Foams. Ship. wt. 15 lbs.

INCLUDES:
- PRO/pak unit
- Shoulder strap
- 3’ extension hose
- 3 - quick-connect nozzles

SPECIFY INLET THREADS: 1” NH OR NPSH

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ255</td>
<td>PRO/pak Foam System</td>
<td>$775.95</td>
</tr>
<tr>
<td>AJ256</td>
<td>Piercing Nozzle</td>
<td>$176.95</td>
</tr>
<tr>
<td>AJ257</td>
<td>Mounting Bracket</td>
<td>$88.95</td>
</tr>
<tr>
<td>AJ258</td>
<td>25’ Discharge Hose</td>
<td>$97.95</td>
</tr>
<tr>
<td>AJ259</td>
<td>Waist Strap</td>
<td>$26.95</td>
</tr>
</tbody>
</table>

**FOAMPRO® 1600 SERIES PROPORTIONING SYSTEM**

No other system delivers foam as easily and accurately as the FoamPro®. All it takes is a flip of the switch to start the system. FoamPro® adjusts automatically to any changes in flow rate or pressures. Plus, the patented, high-tech, electronic controller does all of the work for you. To make the foam wetter or drier simply adjust the dial to change the foam concentrate level. When you use the FoamPro®, you don’t have to worry if the foam solution is correct-the system does the proportioning all automatically. Simply set the percentage you want on the control module. Because the precise proportioning is done by measuring flow instead of pressure, you do not have to shut down to add lines, change pressure or refill the foam tank. What’s more, the FoamPro® conveniently interfaces with Compressed Air Foam Systems. Meets NFPA Standards. Ship. wt. 68 lbs.

EXCLUSIVE FEATURES:
- Automatic proportioning
- Adjustable dial control
- Proportions continuously
- No foam goes through the fire pump
- No in-line restrictions
- Installs in new or existing apparatus
- Delivers 0.1 to 1.7 gpm of concentrate

TANK SENSOR REQUIRED

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ247</td>
<td>FoamPro® with 1¼” Flowmeter</td>
<td>$3,628.95</td>
</tr>
<tr>
<td>AJ248</td>
<td>FoamPro® with 2” Flowmeter</td>
<td>$3,682.95</td>
</tr>
<tr>
<td>AJ249</td>
<td>Tank Sensor, Vertical Mount</td>
<td>$79.95</td>
</tr>
</tbody>
</table>

AVAILABLE OPTIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ251</td>
<td>8 gal. Polypropylene Foam Tank</td>
<td>$234.95</td>
</tr>
</tbody>
</table>
IN-LINE FOAM EDUCTORS
In-line Foam Eductors have a metering head with easy-read knob for use with Class A foam at .25% and .5% and with ARC-AFFF foam at 1%, 3% and 6%. Extra large 36” pickup hose and stainless steel wand are ideal for use with high viscosity foams. The meter head is equipped with a unique backflush push-button for fast cleaning, and is secured to the eductor body with a rugged disconnect. All controls are easy to use with gloves. Made of hardcoat anodized aluminum for corrosion protection. The required inlet pressure is 200 psi. The maximum allowable back pressure is 130 psi.

Cat# Description Inlet GPM Price
BL376 In-Line Foam Eductor 1½”NH 60 $645.95
BL377 In-Line Foam Eductor 2½”NH 60 $645.95
BL378 In-Line Foam Eductor 1½”NH 95 $645.95
BL379 In-Line Foam Eductor 2½”NH 95 $645.95
BL380 In-Line Foam Eductor 1½”NH 125 $645.95
BL381 In-Line Foam Eductor 2½”NH 125 $645.95

PORTABLE BY-PASS EDUCTOR
The Portable By-Pass Eductor has a built-in by-pass chamber, allowing the operator to change from water to foam without shutting down.

• Brass with chrome trim
• 8 quick-change handle positions with a Swing-Out™ valve handle

“THROUGH-THE-PUMP” FOAM EDUCTOR/MIXER
• Educts foam concentrate into hose lines through a pump’s suction and discharge sides, also known as an “Around-The-Pump” system
• Will educt concentrates at percentages of 0% to 3.75% at flow rates from 15 to 125 gpm at 100 psi
• Maximum operating pressure of 300 psi
• Includes an 18” pressure hose and a 48” foam pick-up hose
• 1½” and 2” cast aluminum connecting tee

Cat# GPM Pick Up Hose Price
AJ253 “Through-the-Pump” Foam Eductor/Mixer $577.95

PYROLITE® IN-LINE EDUCTORS
Akron Municipal Eductors feature a large, easy to read, and removable metering dial with infinite settings between 0 and 6%. Detents at ¼, ½, 1, 3, and 6%. The Eductors are rated to flow at 200 psi (14 bar) inlet pressure and works well with nozzles rated at 75 and 100 psi (5 and 7 bar). Ship. wt. 8 lbs.

• 1½” or 2½” swivel inlet x 1½” male, except where noted
• 48” pickup hose standard on 250 gpm (950 lpm)

Cat# GPM Pick Up Hose Price
AZ340 60 gpm 30” $824.95
AZ341 95 gpm 30” $787.95
AZ342 125 gpm 30” $823.95
AZ343 250 gpm 48” $1,103.95
**ATP FOAM FLURRY™**

The ATP FOAM FLURRY™ is our most economical proportioner. It is simple-to-install and operate. For your next Darley portable pump purchase, or for retrofitting your current pump, the ATP FOAM FLURRY™ will deliver foam cost effectively.

- All brass construction – no plastic
- Fast adjusting variable control ball valve
- Capable of .5% injection rate up to 130 gpm
- Remote mount operation placard
- Includes installation kit

**FOAM NOZZLE WITH PICK-UP TUBE**

These 1¼" and 2¼" aerating type foam nozzles are lightweight, cord wrapped and include a clear PVC hose and strainer and pick-up tube which means each tube requires no eductor and can draw foam directly from a container. **Ship. wt. 7 lbs.**

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Description</th>
<th>Swivel</th>
<th>GPM</th>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG174</td>
<td>Foam Nozzle w/Pick-Up Tube</td>
<td>1¼&quot;</td>
<td>60</td>
<td>36½&quot;</td>
<td>$911.95</td>
</tr>
<tr>
<td>AG129</td>
<td>Foam Nozzle w/Pick-Up Tube</td>
<td>1¼&quot;</td>
<td>95</td>
<td>38&quot;</td>
<td>$1,051.95</td>
</tr>
<tr>
<td>AG175</td>
<td>Foam Nozzle w/Pick-Up Tube</td>
<td>2¼&quot;</td>
<td>120</td>
<td>41&quot;</td>
<td>$1,007.95</td>
</tr>
</tbody>
</table>

**ATP00001 - ATP FOAM FLURRY™ $585.95**

**BUBBLE CUP NOZZLES**

The dual or single-gallonage Bubble Cup nozzle is a uniquely designed aspirating fog/foam nozzle created to be used with AFFF and Protein type foams for fire brigades and hazardous materials incidents or for structural and wildfire applications of Class A foaming agents. Capable of producing a conventional straight stream, wide protective fog pattern and aspirating foam, the Bubble Cup is a nozzle that provides an extra measure of protection. Nozzles are backed by a full 5-yr factory warranty and 24-hr. Certified repair. **Ship. wt. 4 lbs.**

**VIPER FOAM NOZZLE**

- Durable Viper Ball Valve
- Up to 12:1 expansion ratio
- Available in your choice of 60 or 95 gpm
- Construction: Lightweight aluminum
- Length: 19"
- **Ship. wt. 4 lbs.**

**CAT# Description Swivel GPM Length Price**

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Description</th>
<th>Swivel</th>
<th>GPM</th>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL034</td>
<td>60 1¼&quot;</td>
<td></td>
<td>60</td>
<td>36½&quot;</td>
<td>$398.95</td>
</tr>
<tr>
<td>BL035</td>
<td>95 1¼&quot;</td>
<td></td>
<td>95</td>
<td>38&quot;</td>
<td>$398.95</td>
</tr>
</tbody>
</table>

**SEE PAGE 115-116 FOR MORE C&S SUPPLY NOZZLES**
2 1/2" CAFS PISTOL GRIP NOZZLE

Do you want to pack the most CAFS punch possible in a 2 1/2" hand line? Most 2 1/2" nozzles are nothing more than a 1 3/8" waterway shutoff with a 2 1/2" swivel inlet. Not this nozzle… this pistol grip ball shutoff features a 2 1/2" swivel inlet and a 2 1/2" threaded outlet with a full 2" internal ball opening. This allows more CAFS to be propelled unobstructed through this lightweight pistol grip ball shut-off. We also finish off this Brutus of a shut off with a set of dual stacked tips so you can choose between the 2 1/4" and a 2" tip opening. Easily flows 120 gallons per minute of foam solution and 120 cfm of compressed air at the NFPA recommended 125 psi. Ship. wt. 7 lbs.

BN011:
- 1" shutoff with pistol grip
- 1" foam gun proportioner
- 1" nozzle tip 10/23 gpm
- Length: 25"
- Ship. wt. 5 lbs.

BN012:
- 1 1/2" shutoff with pistol grip
- 1 1/2" foam gun proportioner
- 1 1/2" nozzle tip 20/60 gpm
- Length: 25"
- Ship. wt. 5 lbs.

BN076:
- 12" Class A Foam Cartridge

CAFS NOZZLES

BL036:
- Combination of the ball shutoff with full 1" inlet waterway and the 15/16" outlet smooth bore tip. Both parts are constructed of hard coated aluminum.

BL037:
- Combination of the ball shutoff with full 1 1/2" inlet waterway and 1 1/8" outlet smooth bore tip. Both parts are constructed of hard coated aluminum.

specify NST or NPSH for inlet

<table>
<thead>
<tr>
<th>Cat#</th>
<th>Description</th>
<th>Inlet</th>
<th>Length</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL036</td>
<td>1&quot; CAFS Nozzle</td>
<td>1&quot;</td>
<td>10&quot;</td>
<td>2 lbs.</td>
<td>$218.95</td>
</tr>
<tr>
<td>BL037</td>
<td>1 1/2&quot; CAFS Nozzle</td>
<td>1 1/2&quot;</td>
<td>10 1/2&quot;</td>
<td>4 lbs.</td>
<td>$332.95</td>
</tr>
</tbody>
</table>

specify handle color:
Black, Blue, Red, White

BL386 1 1/2" SabreJet Dual Shutoff CAFS Nozzle $1,147.95

SABERJET DUAL SHUTOFF CAFS NOZZLE

This very versatile pistol-grip ball shutoff features a large 1 1/4" ball opening and 1 1/8" smooth bore tip which produces a strong CAFS stream for wet to medium foam types. It also features a secondary control for spraying plain water, foam solution, or wet CAFS stream through the fog spray nozzle. The SaberJet Dual Shutoff CAFS Nozzle is a great tool for your CAFS attack lines and provides a wide variety of real world spray stream options as well as the ability to spray plain water if desired.
## Derringer 100/50 Diesel

### Engine
- **Kubota V1505:** 33.5 HP Diesel engine, liquid cooled, indirect injection, naturally aspirated, pressure lubricated 12VDC 40 amp alternator, glow plugs, remote oil drain

### Pump
- **Darley 1-1/2AGE single-stage centrifugal pump**
- Designed to provide up to 130 gpm and pressures up to 170 psi

### Applications
- Wildland
- Quick Attack
- Rescue
- Skid Unit

### Water Performance
- 135 gpm @ 150 psi
- 160 gpm @ 100 psi

### Simultaneous Flow
- 100 gpm & 50 cfm @ 125 psi

### Dimensions & Weight
- **54.5"L x 47.5"W x 39"H**
- 1250 lbs. (567 kg)

### Uses
- Engine driven

---

## Mongoose 100/50 Diesel

### Engine
- **Kawasaki:** 31 HP @ 3600 rpm, liquid cooled, V twin, 2 cylinder, gasoline-powered, 12 vdc electric start, multi-port digital fuel injected

### Pump
- **Darley Model 2BE:** Fully adjustable 1½" CAF discharge mix point, 2½" water discharge, 2½" direct tank fill, 2½" NPT suction inlet, 2½" water and air pressure gauges, pump drain valve, stainless steel plumbing, Darley 12v primer

### Applications
- Wildland
- Quick Attack
- Rescue
- Skid Unit

### Water Performance
- 120 gpm @ 100 psi
- 250 gpm @ 40 psi

### Simultaneous Flow
- 46 gpm & 23 cfm @ 125 psi

### Dimensions & Weight
- **36"(+6")L x 47½"W x 33"H**
- 875 lbs. (397 kg)

### Uses
- Engine driven

---

## Weapon 200/100

### Engine
- **Deutz BF4L2011F:** 73 HP @ 2600RPM, air/oil cooled, indirect injection, turbo-charged diesel engine

### Pump
- **Darley 2-1/2AGE single-stage, centrifugal pump**
- Designed to provide up to 250 gpm and pressures up to 250 psi

### Applications
- Wildland
- Quick Attack
- Rescue
- Skid Unit

### Water Performance
- 250 gpm @ 150 psi
- 175 gpm @ 200 psi
- 125 gpm @ 250 psi

### Simultaneous Flow
- 200 gpm & 100 cfm @ 125 psi

### Dimensions & Weight
- **56"L x 47½"W x 40"H**
- 1750 lbs. (794 kg)

### Uses
- Engine driven

---

## Mongoose Gas

### Engine
- **Kubota:** 33.5 HP Diesel engine, liquid cooled, indirect injection, naturally aspirated, pressure lubricated 12VDC 40 amp alternator, glow plugs, remote oil drain

### Pump
- **Darley Model 2BE:** Fully adjustable 1½" CAF discharge mix point, 2½" water discharge, 2½" direct tank fill, 2½" NPT suction inlet, 2½" water and air pressure gauges, pump drain valve, stainless steel plumbing, Darley 12v primer

### Applications
- Wildland
- Quick Attack
- Rescue
- Skid Unit

### Water Performance
- 135 gpm @ 150 psi
- 160 gpm @ 100 psi

### Simultaneous Flow
- 100 gpm & 50 cfm @ 125 psi

### Dimensions & Weight
- **56"L x 47½"W x 33"H**
- 1250 lbs. (567 kg)

### Uses
- Engine driven

---

## Mongoose Diesel Also Available

### Engine
- **Kubota:** 31 HP @ 3600 rpm, liquid cooled, V twin, 2 cylinder, gasoline-powered, 12 vdc electric start, multi-port digital fuel injected

### Pump
- **Darley Model 2BE:** Fully adjustable 1½" CAF discharge mix point, 2½" water discharge, 2½" direct tank fill, 2½" NPT suction inlet, 2½" water and air pressure gauges, pump drain valve, stainless steel plumbing, Darley 12v primer

### Applications
- Wildland
- Quick Attack
- Rescue
- Skid Unit

### Water Performance
- 120 gpm @ 100 psi
- 250 gpm @ 40 psi

### Simultaneous Flow
- 46 gpm & 23 cfm @ 125 psi

### Dimensions & Weight
- **36"(+6")L x 47½"W x 33"H**
- 875 lbs. (397 kg)

### Uses
- Engine driven

---

## Odín

Call for pricing and an extended list of features 877-634-6223

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Call for pricing and an extended list of features 877-634-6223
LDMBC 1000-1750 STANDARD FEATURES
- Complete discharge and suction manifolds provided
- 4 - 2 1/2" NH, 1/4 turn, self-locking ball valves
- 2 - 5" or 6" NH suction adapters and Darley caps
- Optional behind the panel intake valve(s) available
- Discharge and suction flanges as needed
- Air pump shift
- 1610 or 1710 full round yokes standard
- Extended pump shaft to drive 220 cfm compressor package
- Remote packing adjustment cables or mechanical seal
- Fully tested water and air systems

LDMBC - COMMONLY SPECIFIED OPTIONS FOR A COMPLETE PACKAGE
- FoamPro 2001/2002 foam System with paddle wheel
- CAFS/Foam stainless steel plumbing manifold
- Optional 1 1/2", 2", and 2 1/2" CAFS valve packages
- CAFS check valves for foam discharges
- Air flow control valves and check valves
- Optional manual or electric valve controls
- Can be used with AutoValve™
- Can be completely plumbed and service tested

APPLICATIONS
- Aerial
- Pumper
- Rescue pumper
- Pumper tanker

DIMENSIONS & WEIGHT
- 40"L x 76"W x 46"H
- 2,200 lbs. (997 kg)

USES
- Single stage
- Centrifugal
- Midship mounted
- Pump forward

SIMULTANEOUS WATER PERFORMANCE
Up to 6624 L/M (1750 gpm) @ 8.6 bar (125 psi)
NFPA Ratings From 1000 - 1750

SIMULTANEOUS COMPRESSED AIR PERFORMANCE
6229 L/M (220 cfm) @ 8.6 bar (125 psi)