

Chemguard Foam

CHEMGUARD

First Class Foam Concentrate

The U.S.D.A. Forest Service has approved Chemguard First Class as meeting all of the requirements of U.S.D.A Forest Service specification 5100-307. It has passed NFPA 18 wetting agent standard 2006 Edition. This standard tests the agent at dilution rates of 0.1% to 1.0% for use on Class A fuels. First Class combines excellent wetting characteristics with great foam formation for superior effectiveness on Class "A" Fires. For use in ground trucks, CAF Systems, helicopter and fixed wing aircraft with buckets, water scooper or tanks. Contains no hazardous material, safe for the environment. First Class works very well with CAFS at ratios of 0.4% or greater. **Ship. wt. 45 lbs.**

- ▶ Wildland fires ▶ Ground applications ▶ Aircraft applications

SOLD IN 5-GALLON CONTAINERS

BB135 First Class Foam Concentrate

Class A Foams/Wetting Agents

Chemguard's Class A foam concentrate is a mixture of foaming and wetting agents. When proportioned with water it changes the properties of the water, reducing the surface tension and allowing for greater penetration in all Class A fuel and wildland fires. It also gives the water a foaming ability, allowing it to remain and cling to the surfaces without run off. Class A is effective in fighting forest fires and many deep-seated fires such as tires, paper, and wooden structures. Class A Plus works very well with CAFS at ratios 0.5% or greater.

SOLD IN 5-GALLON CONTAINERS

Cat#	Description	Benefits
AC721	Class A Plus	Non-corrosive, Non-Toxic Biodegradable For rates of 0.1% - 1.0%. Meets NFPA 298
AC724	Chemwet	Highly Concentrated Wetting and Penetrating Agent (Allows for Quicker Extinguishment and Stretches Water Supply)

High Expansion Foam Concentrates

These agents are synthetic based and are suitable for use with low, medium or high expansion foam generating equipment. Normally used at a proportioning rate between 1 and 3%, they are used in contained areas such as mining operations, ship hold areas, etc. where volume fire control is required. A high expansion generator can be used to fill the entire area with a large amount of very light, expanded foam bubbles, and depending upon the type of generator, ratios of up to 1,000 to 1 can be achieved. Fires involving solid materials as well as flammable liquids can be controlled and extinguished. High expansion foam also has special advantages in dealing with spills of Liquefied Natural Gas (LNG).

SOLD IN 5-GALLON CONTAINERS

Cat#	Description	Benefits
AC722	X-TRA High	High Expansion Foam Provides Superior Fire Suppression Expansion and Vapor Barrier Against a Broad Range of Materials

Training Foam

Supertrain is specially designed synthetic foam formulations which are biodegradable and environmentally friendly for use in live fire-training sessions. This formulation is suitable for use with both fresh and salt water and can be used with all siliconized dry chemical agents and can be proportioned at either 3% or 6%.

SOLD IN 5-GALLON CONTAINERS

Cat#	Description	Benefits
AC723	Supertrain Training Foam	Cost Effective Training

Contact Your Darley Representative With Your Protein or Fluoroprotein Foam Needs



FOAM



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.

SOLD IN 5-GALLON CONTAINERS

Cat#	Description	Benefits
AC719	3% AFFF	An Industry Standard, the Most Commonly Used AFFF
AS290	3% AFFF Mil. Spec	Highest Quality AFFF Available on QPL MIL-F-24385F Listed
AC720	6% AFFF	Lowest Cost AFFF
AS292	1% AFFF	Requires Less Concentrate Than 3% or 6% Products

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.

SOLD IN 5-GALLON CONTAINERS

Cat#	Description	Benefits
AC717	3%-6% AR-AFFF	Concentrate for Use on Both Hydrocarbon and Polar Solvent Fuel Fires
AS291	3%-3% AR-AFFF	AR-AFFF Keep Mixture Ratio the Same for all Fires, Eliminate Costly Mistakes
BD197	1%-3% AR-AFFF	Highest Quality AR-AFFF Cost Effective 1% Hydrocarbon and 3% Polar Solvents

Low Temperature Foam

BD018 and BD019 - Freeze protected 3%-3% proportions 3 parts concentrate to 97 parts water for hydrocarbon and polar fuels. Intended for top side use on type II and type III applications. *UL listed. Ship. wt. 45 lbs.*

BD020 - Freeze protected AFFF Solution, good to minus 40°F. This product is not intended to be proportioned. Works well on Class B fires. Designed for use in Trimax units and flight line extinguishers.

SOLD IN 5-GALLON CONTAINERS

Cat#	Description	Benefits
BD018	3% AFFF	Low Temperature Foam, UL Listed to Minimum Use Temperature of -20°F
BD019	3% AR-AFFF	Ultraguard Low Temperature Foam
BD020	Foam Solution	Blizzard Freeze Protected Solution Foam Temperature Range of -40°F

Contact Your Darley Representative With Your Protein or Flouprotein Foam Needs

Practice Foam Train for Pennies!

Practice Foam is an answer to the requests "give us an inexpensive product to train with!" Practice Foam is a variable percentage Class A type product. Safe and inexpensive to use, Practice Foam may be educted at low to high percentages to achieve the desired results of your training session. Although not intended for a "working fire", Practice Foam is entirely suitable for extinguishing training ground fires.

- ▶ Non-toxic, biodegradable and self-dissipating
- ▶ For training only; NOT for fire fighting
- ▶ Plenty of suds - no clean up required

BG113 Practice Foam

X-pando Foam Concentrate

A detergent type variable percentage/variable expansion blend of foaming and wetting agents intended for Class A and B fires. Use through a CAFS or eductor to produce volumes of high-expansion foam or with regular foaming equipment consistent with the type of foam required. X-pando may be used with most foam making equipment. X-pando extinguishes with volumes of wet, moist foam, cutting the oxygen supply while creating cooling steam as the area is blanketed or completely filled. Used at 3% or less, X-pando offers low percentage use rates combined with reasonable per-gallon cost and infinite shelf life to give you a "general purpose foam value".

BG115 X-pando Foam Concentrate

Phos-Chek Class A Foam

Provides superior foam generation at 0.1-1% use concentration. Phos-Chek has been tested by the U.S. Forest Service and is approved for use from ground engines, helicopter buckets, and helicopters equipped with fixed tanks. It is a U.L. listed wetting agent at 0.25% use rate effective on both Class A & B combustibles. Meets the requirements of NFPA 1150. Contains no EPA listed hazardous materials. Phos-Chek Class A works very well with CAFS at ratios of 0.2 to 0.3% and can produce the good dry foam associated with CAFS. *Ship. wt. 45 lbs.*

SOLD IN 5-GALLON CONTAINERS

AS285	Phos-Chek 5-gal. Container
AS289	Phos-Chek 55-gal. Drum
AS286	Phos-Chek 4 oz./Case of 36

Silv-ex Foam Concentrate

A multiple expansion Class A foam concentrate formulated from specialty hydrocarbon surfactants, stabilizers, inhibitors and solvents. Its combination of surfactants and solvents provides extremely good cold weather performance. The original forest fire control concentrate. Proven effective on many deep seated Class A fires. Can be proportioned from 0.1% to 1.0% in fresh, brackish or sea water. Silv-ex works very well with CAFS at ratios of 0.2 to 0.3% and can produce very good dry foam associated with CAFS. *Ship. wt. 45 lbs.*

SOLD IN 5-GALLON CONTAINERS

AB410 Silv-ex Foam Concentrate

Foam Cap Wrench

Made from aluminum alloy the wrench loosens and tightens 70mm foam container caps with ease. Wrench is 9½" long with an outside diameter of 3¼". *Ship. wt. 1 lb.*

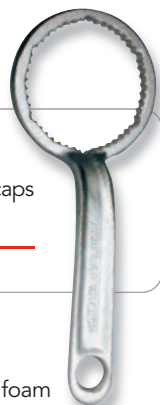
AF640 Foam Cap Wrench

X-Stream Premium Class A Foam

Chemguard has introduced X-Stream, the first and only premium Class A foam concentrate designed specifically for compressed air foam (CAFS). When mixed with water at concentrations of 0.1 - 1.0%. X-Stream produces a super-thick foam with a significantly longer throw distance that clings to horizontal and vertical surfaces with minimal runoff drastically reducing burnback.

SOLD IN 5-GALLON CONTAINERS

BH124 X-Stream Premium A Foam



36 Gallon Mobile Foam Cart

- ▶ Features a fiberglass tank
- ▶ Nozzle features a ball type shut-off valve for better stream control and is designed to give a constant flow rate with either a straight stream or "Fog" pattern
- ▶ Includes 50' of 1½" rubber lined, single jacket fire hose with lightweight 1½" NST couplings
- ▶ Includes 3"x16" pneumatic tires
- ▶ Pick-up tube on the in-line eductor is manufactured in stainless steel
- ▶ Eductor has variable metering valve settings for 1%, 3%, and 6%
- ▶ Available in either a 60 gpm or 95 gpm flow rate
- ▶ **Ship wt.: BG161 - 150 lbs., BG162 - 145 lbs.**

BG161	36 gal. Foam Cart, 1½"x50' Hose/95 gpm Eductor/Handline Nozzle
BG162	36 gal. Foam Cart, 95 gpm Eductor

Macaw™ Backpack

Miniaturized CAF Power

Originally designed for rapid attack in fire suppression, this miniature 5-gallon (18.9L) CAF powerhouse expands foams up to 70:1 depending on nozzle and foam solution used. The Macaw™ can effectively deploy liquid formulas, air aspirated foam and CAF with simple control adjustments. **Ship wt. 30 lbs.**

Proven Effective For:

- ▶ Mop up and overhaul operations
- ▶ Hazardous material clean up
- ▶ Class A and B fire suppression
- ▶ Vapor suppression
- ▶ Decontamination operations
- ▶ Wet line construction
- ▶ CAF training
- ▶ Nuisance fires and spills

PURCHASE INCLUDES NOZZLE SHOWN

AM234	Macaw™ Backpack with Cylinder, 4500 psi
AM235	Macaw™ Backpack without Cylinder
AM236	Fan Tip Nozzle
AM237	Piercing Applicator Tip

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

AZ292	Precision Foam Testing Kit
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Foam Proportioning Systems and CAFS

Fast Foam 50 or 250

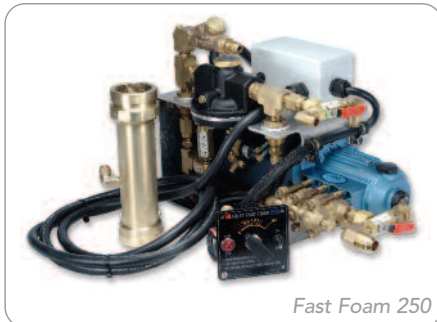
The Fast Foam systems offers a reliable, accurate, compact foam proportioning system at an economical price. The systems are optional and for use on single and dual line systems.

Applications:

- ▶ Mini pumper – 50, 250
- ▶ Pumper tanker – 250
- ▶ Pumper – 250
- ▶ Wildland – 50, 250

Standard Equipment:

- ▶ Stainless steel check valve
- ▶ Venturi
- ▶ Panel mounted controller
- ▶ Installation kit



Fast Foam 250



Fast Foam 50

FOAM

Model	Performance	Dimensions	Weight
Fast Foam 50	Up to 189 L/M (50 gpm) @ 1% at pressures up to 12.1 bar (175 psi)	483mm (19")Lx254mm (10")Wx356mm (14")H	29 kg (64 lbs.)
Fast Foam 250	Up to 946 L/M (250 gpm) @ 1% at pressures up to 17.2 bar (250 psi)	533mm (21")Lx254mm (10")Wx305mm (12")H	34 kg (75 lbs.)

ODIN® AutoValve™ Kits

The ODIN® AutoValve™ features nine light valve positions for fast reference. The pressure display also functions as a valve position indicator in increments of 1 - 100. This allows for ultra fine adjustments by punching the decrease/increase "Dry and Wet" CAFS buttons for small changes of foam consistency. Fully waterproof design with all sealed switches, protected by overlay membrane.

Kits Include:

- ▶ Controller with wiring harness
- ▶ Solution valve and actuator, stainless steel
- ▶ Air valve and actuator, stainless steel



Expanded AutoValve™ Kits also available. Please call Odin at 319-987-2226 for more information.

Model	Description
SAV001.5	Standard 38mm (1½") AutoValve™ Kit
SAV002.0	Standard 51mm (2") AutoValve™ Kit
SAV002.5	Standard 64mm (2½") AutoValve™ Kit
SAV003.0	Standard 76mm (3") AutoValve™ Kit

PTO Driven Compressor Kit

The compressor receives its power from the apparatus transmission PTO. Please consult ODIN® for the correct engineering application. Pump is supplied by customer. 64mm (2½") and 76mm (3") standard and expanded kits are available. Please contact ODIN® Foam at 319-987-2226 for more schematic and CAD drawings of components.

Standard Equipment:

- ▶ Horizontal mount air/oil receiver
- ▶ Control panel with high temperature shut down
- ▶ Odin AutoBalance™ valve system
- ▶ American made
- ▶ Master air check valve
- ▶ Remote air intake filter kit
- ▶ Stainless steel, plate type heat exchange with thermo valve
- ▶ Available in 150 and 200 cfm with inlet valve and mounting bracket
- ▶ 150 cfm: 5 year warranty, 200 cfm: Lifetime warranty

Applications:

- ▶ Mini pumper
- ▶ Rescue pumper
- ▶ Tactical tender
- ▶ Wildland/Interface



Model	Performance (Air)	Ship. Wt.
200 CFM Kit	200 cfm @ 8.6 bar (125 psi)	265 kg (585 lbs.)
150 CFM Kit	150 cfm @ 8.6 bar (125 psi)	243 kg (535 lbs.)

Darley Around-The-Pump Proportioning Kit

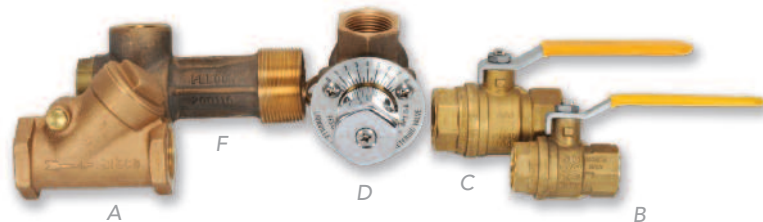
The Darley Around-The-Pump Proportioning Kit is a simple and inexpensive way to add foam capability to all discharges of a truck. It allows for different flow requirements separately or in any combination. A portion of the truck output goes through an eductor and back to the inlet side of the pump. A metering valve is adjusted for the correct foam percentages based on the total discharge.

This system offers several advantages when compared to an inline eductor:
Variable Flow Rate - Discharge rate can be adjusted for the specific application. The rate is infinitely variable up to the max. flow of the unit.
Variable Pressure - System operates at any pressure above 120 psi.
The pump operation is the same with foam or water.
No Back Pressure Restrictions - Unit is not affected by hose length or elevation loss.
No Nozzle Restrictions - Unit operates with any size or type of nozzle.
Note: Maximum 5 psi Hydrant Pressure.

- ▶ Inexpensive and simple to use
- ▶ Foam at all outlets
- ▶ Max. 3% flow - 400 gpm - 1515 lpm
- ▶ Max. 6% flow - 200 gpm - 757 lpm
- ▶ Drive flow - 25 gpm - 95 lpm
- ▶ No friction loss or elevation restrictions

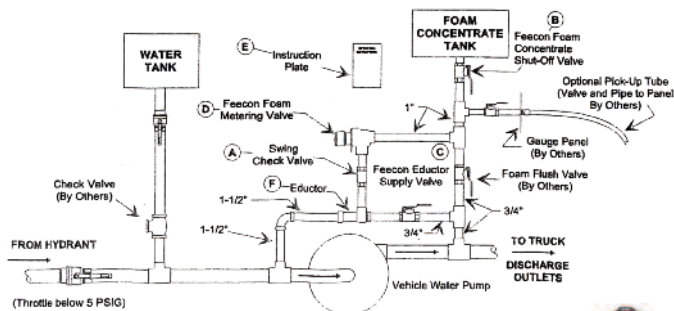
G365 Darley Around-The-Pump Proportioner Kit,
(Down to 1% @ 60-400 gpm)

AM152 Darley Around-The-Pump Proportioner Kit,
(Down to 0.5% @ 100-1400 gpm)

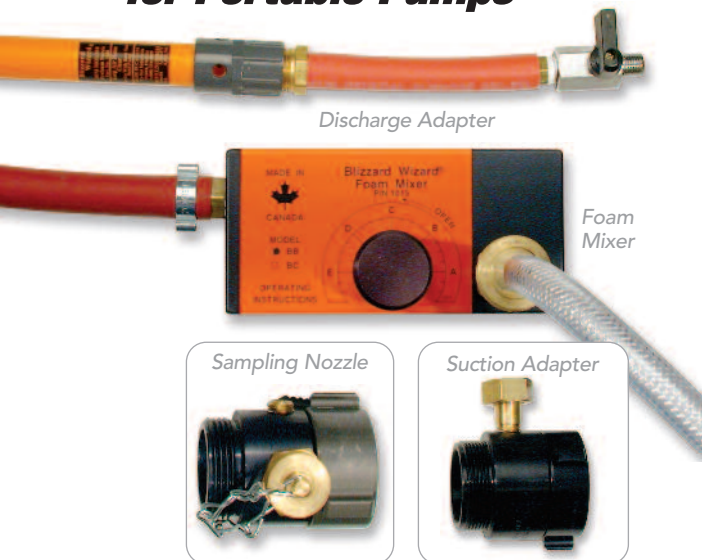


Kit Includes:

- A. Swing Check Valve (shown above)
- B. Foam Concentrate Shut-Off Valve (shown above)
- C. Eductor Supply Valve (shown above)
- D. Foam Metering Valve (shown above)
- E. Instruction Panel Plate (shown below)
- F. Eductor (shown above)



Class A Foam Mixer System for Portable Pumps



This foam-making kit can be attached to a forestry fire-fighting pump. The kit consists of a 2" suction hose adapter, a 1 1/2" discharge hose adapter which is equipped with a shut-off valve and foam sampling nozzle and a variable around-the-pump foam liquid concentrate mixer with a pick-up tube. The inductor can be adjusted to pickup liquid concentrate in quantities small enough for the smallest nozzle, all the way up to an amount large enough to treat over 150 gallons of water per minute. The quality of water/foam solution being produced can easily be determined by the foam sampling nozzle located on the discharge hose adapter. The mixer can be fitted to most pumping units.

AC993 Class A Foam Mixer System

By-Pass Eductors with Metering Dial

VIPER By-Pass Foam Eductors can now be equipped with Dial knob for use with Class A or B foam. There is an off setting for extra long 48" pickup hose and stainless steel wand. All the moving parts are easy to use with gloved hands. Made of hardcoat anodized aluminum for corrosion protection.

WITH METERING DIAL (OFF, .5%, 1%, 3%, 6%)

Cat#	Description	NST Inlet	GPM
BL027	By-Pass Eductor	1"	30
BL028	By-Pass Eductor	1 1/2"	60
BL029	By-Pass Eductor	1 1/2"	95
BL030	By-Pass Eductor	1 1/2"	125

Portable In-Line Foam Eductors

These "Venturi" eductors are constructed of rugged brass alloys. Their efficient and simple design assures the lowest possible friction loss. Metering devices on all these eductors are easily removed for cleaning and are designed with a stainless steel ball check to prevent foam contamination when the line is shut down. Eductors are suitable for all types of foams. **Ship. wt. 10 lbs. Specify inlet size.**

- ▶ Eductor with female swivel inlet and male outlet
- ▶ Removable metering/check valve and pick-up tube
- ▶ Clear PVC pick-up hose

Cat#	GPM	Inlet	Outlet	Max. Hose	Trim
H581	60	2 1/2" or 1 1/2"	1 1/2"	300'	Brass
W202	95	2 1/2" or 1 1/2"	1 1/2"	150'	Brass
H583	125	2 1/2" or 1 1/2"	1 1/2"	300'	Brass
W204	250	2 1/2"	2 1/2"	200'	Brass

AkroFoam Master Stream Nozzle with Pickup Tube



The AkroFoam foam nozzles are self-educing master stream nozzles designed for educating foam at flow rates up to 1000 gpm (4800 lpm).

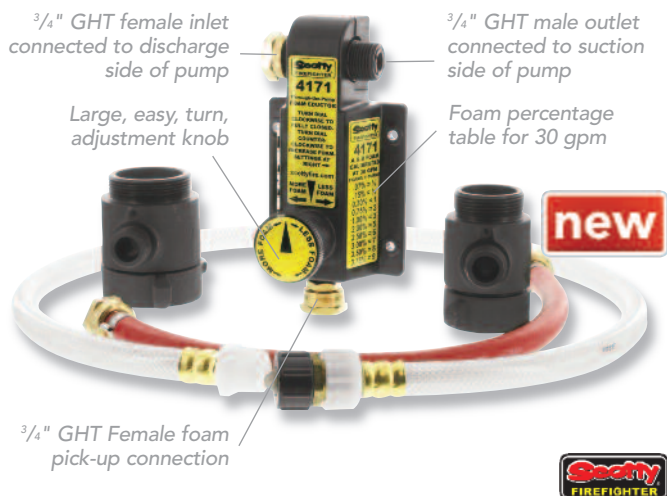


- ▶ Manual pattern control spring loaded baffle that allows flow setting selection of 350, 500, 750, or 1000 gpm (1325, 1900, 2900, or 3800 lpm) with a simple push and turn of the baffle head
- ▶ Quick connect, adjustable metering head with pick up rates 1% & 3%, plus 6% for 350 & 500 gpm (1325 & 1900 lpm) and 1% & 3% for 750 & 1000 gpm (2900 & 3800 lpm)
- ▶ Integrated foam shutoff

BL486	AkroFoam Master Stream Nozzle with Pick Up Tube
BL487	AkroFoam Master Stream Nozzle with Pick Up Tube & Shutoff
BL488	Optional Drum Kit

"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



AJ253	"Through-the-Pump" Foam Eductor/Mixer
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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
- ▶ 30" pickup hose standard on 60, 95, and 125 gpm 230, 360, and 475 lpm) eductors, 48" optional
- ▶ 48" pickup hose standard on 250 gpm (950 lpm)

AZ340	Pyrolite® In-Line Eductor 60 gpm
AZ341	Pyrolite® In-Line Eductor 95 gpm
AZ342	Pyrolite® In-Line Eductor 125 gpm
AZ343	Pyrolite® In-Line Eductor 250 gpm

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
- ▶ Changes easily to water line use
- ▶ 8 quick-change handle positions with a Swing-Out™ valve handle



Cat#	Description	GPM	Inlet	Outlet
BL031	Portable By-Pass Eductor	60	1½"	1½"
BL032	Portable By-Pass Eductor	95	1½"	1½"
BL033	Portable By-Pass Eductor	125	1½"	1½"

ATP FOAM FLURRY™

The ATP FOAM FLURRY™ is our most economical proportioner. It is simple-to-install and operate, and works without 12v power—no amperage issues for small pumps. For your next Darley portable pump purchase, or for retrofitting your current pump, the ATP FOAM FLURRY™ will deliver foam cost effectively.

- ▶ 12 volt. All brass construction—no plastic
- ▶ Fast adjusting variable control ball valve
- ▶ Capable of .5% injection rate up to 100 gpm
- ▶ Remote mount operation placard
- ▶ Includes installation kit



BL125	ATP FOAM FLURRY™
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Quick-Attack™ Foam Aeration Tubes

Pyrolite® foam tubes are designed to easily and quickly clamp on to various Akron® nozzles. use the chart below to determine the proper Quick-Attack™ foam tube. **Ship. wt. 3 lbs.**

- ▶ Reach up to 75'
- ▶ Provides air-aspirated foam capability - up to 12:1 expansion ratio with AFFF
- ▶ Flow: AF26401 - 30 gpm, AF26409 - up to 250 gpm, all others up to 125 gpm
- ▶ Length: AF26401 - 11½", all others 16¾"



Cat#	Bumper Nozzle	Years	Diameter
AF26401	1" TurboJet	2000 - Current	3"
	1" Assault	2000 - Current	3"
	Force & Defender	All	3"
AF26402	1½" TurboJet	Pre 1993	3⅜"
	1½" Industrial TurboJet	All	3⅜"
AF26403	1" TurboJet	1993 - 2000	3⅝"
	1½" TurboJet	1993 - Current	3⅝"
AF26404	Mid-Range TurboJet	1993 - Current	4½"
	Mid-Range & 2½" SaberJet	All	4½"
AF26405	1½" Marauder w/Molded Teeth	All	3⅝"
	1½" 3015-3021	All	3⅝"
AF26406	1½" Marauder w/Spinning Teeth	All	3¾"
AF26407	1½" & Mid-Range Assault	All	3⅞"
	Wide-Range TurboJet	All	3⅞"
	1" & 1½" SaberJet	All	3⅞"
AF26408	Mid-Range Akromatic	All	4¼"
AF26409	2½" Industrial TurboJet	All	4¼"
	2½" TurboJet	1993 - Current	4½"

Foam Nozzle with Pick-Up Tube

These 1½" and 2½" aerating type foam nozzles are lightweight, cord wrapped and include a clear PVC hose, strainer and pick-up tube which means each tube requires no eductor and can draw foam directly from a container. The AG129 and AG174 foam nozzles are the most inexpensive way to deliver foam in the 60 to 95 gpm range and are very light and easily handled. Maintenance and cleaning are very simple. The AG175 foam nozzle delivers 120 gpm of foam and can be used with 2½" lines. It will supply foam in an expansion ratio of approximately 14 to 1 and would be suitable for most small spills and foam application requirements. **Ship. wt. 7 lbs.**

Cat#	Description	Swivel	GPM	Length
AG174	Foam Nozzle with Pick-Up Tube	1½"	60	36¼"
AG129	Foam Nozzle with Pick-Up Tube	1½"	95	38"
AG175	Foam Nozzle with Pick-Up Tube	2½"	120	41"

Viper Foam Nozzle

- ▶ Durable Viper Ball Valve
- ▶ Construction: Lightweight aluminum
- ▶ Up to 12:1 expansion ratio
- ▶ Available in your choice of 60 or 90 gpm
- ▶ Weight: 3.5 lbs
- ▶ Length: 19"



Cat#	Description	GPM	Inlet
BL034	Viper Foam Nozzle	60	1½"
BL035	Viper Foam Nozzle	95	1½"

Mid-X Medium Expansion Foam Tube



- ▶ Capable of foam expansion to 50:1
- ▶ Maximum flow 250 gpm
- ▶ Maximum pressure 100 psi
- ▶ Ship. wt. 5 lbs.

AZ294	For Use On Akron 1½" TurboJet Nozzles
AZ295	For Use On Akron Mid-Range TurboJets, Mid-Range SaberJets and 2½" SaberJet Nozzles
AZ296	For Use On Akron 1½" Assaults, Wide Range TurboJets, 1" and 1½" SaberJet Nozzles



No eductor required

Mongoose 46/23 Gas

Engine

- ▶ Kawasaki: 28 HP @ 3600 rpm, air cooled, V twin, 2 cylinder gasoline powered, 12 vdc electric start

Pump

- ▶ Darley Model 2BE: Fully adjustable 38mm (1½") CAF discharge mix point, 64mm (2½") water discharge, 64mm (2½") direct tank fill, 64mm (2½") NPT suction inlet, air jet primer, 64mm (2½") water and air pressure gauges, pump drain valve, stainless steel plumbing

Dimensions & Weight

- ▶ 914mm(+152mm)L x 1200mmW x 838mmH (36"(+6")L x 47¼"W x 33"H)
- ▶ 385 kg (850 lbs.)

Applications

- ▶ Wildland
- ▶ Quick attack
- ▶ Rescue
- ▶ Skid unit

Uses

- ▶ Engine driven

Features

- ▶ Control Panel - Illuminated: Laser cut, brushed stainless steel panel with infused powder coat painted labels, foam injection system controls installed
- ▶ Air Compressor: Rotary screw encapsulated, manufacturer approved for flows of 60 cfm @ 150 psi
- ▶ Frame: Lightweight aluminum
- ▶ Foam Proportioner System: Darley Fast Foam 50 Class "A" Foam Proportioner



Water Performance

454 L/M (120 gpm) @ 6.9 bar (100 psi)
946 L/M (250 gpm) @ 2.7 bar (40 psi)

Simultaneous Flow (NFPA)

174 L/M (46 gpm) & 651 L/M (23 cfm) @ 8.6 bar (125 psi)

Air Compressor Performance

50 cfm (1416 L/M) @ 8.6 bar (125 psi)

Simultaneous Flow

303 L/M (80 gpm) & 1133 L/M (40 cfm) @ 6.9 bar (100 psi)

Mongoose 46/23 Diesel

Engine

- ▶ Kubota: 24.8 HP @ 3600 rpm, water cooled, 3 cylinder, diesel powered, 12 vdc electric start

Pump

- ▶ Darley Model 2BE: Fully adjustable 38mm (1½") CAF discharge mix point, 64mm (2½") water discharge, 64mm (2½") direct tank fill, 2½" NPT suction inlet, air jet primer, 64mm (2½") water and air pressure gauges, pump drain valve, stainless steel plumbing

Dimensions & Weight

- ▶ 1118mm(+152mm)L x 1200mmW x 914mmH (44"(+6")L x 47¼"W x 36"H)
- ▶ 498 kg (1,100 lbs.)

Applications

- ▶ Wildland
- ▶ Quick attack
- ▶ Rescue
- ▶ Skid unit

Uses

- ▶ Engine driven

Features

- ▶ Control Panel - Illuminated: Laser cut, brushed stainless steel panel with infused powder coat painted labels, foam injection system controls installed
- ▶ Air Compressor: Rotary screw encapsulated, manufacturer approved for flows of 60 cfm @ 150 psi
- ▶ Frame: Lightweight aluminum
- ▶ Foam Proportioner System: Darley Fast Foam 50 Class "A" Foam Proportioner



Water Performance

454 L/M (120 gpm) @ 6.9 bar (100 psi)
946 L/M (250 gpm) @ 2.7 bar (40 psi)

Simultaneous Flow (NFPA)

174 L/M (46 gpm) & 651 L/M (23 cfm) @ 8.6 bar (125 psi)

Air Compressor Performance

1416 L/M (50 cfm) @ 8.6 bar (125 psi)

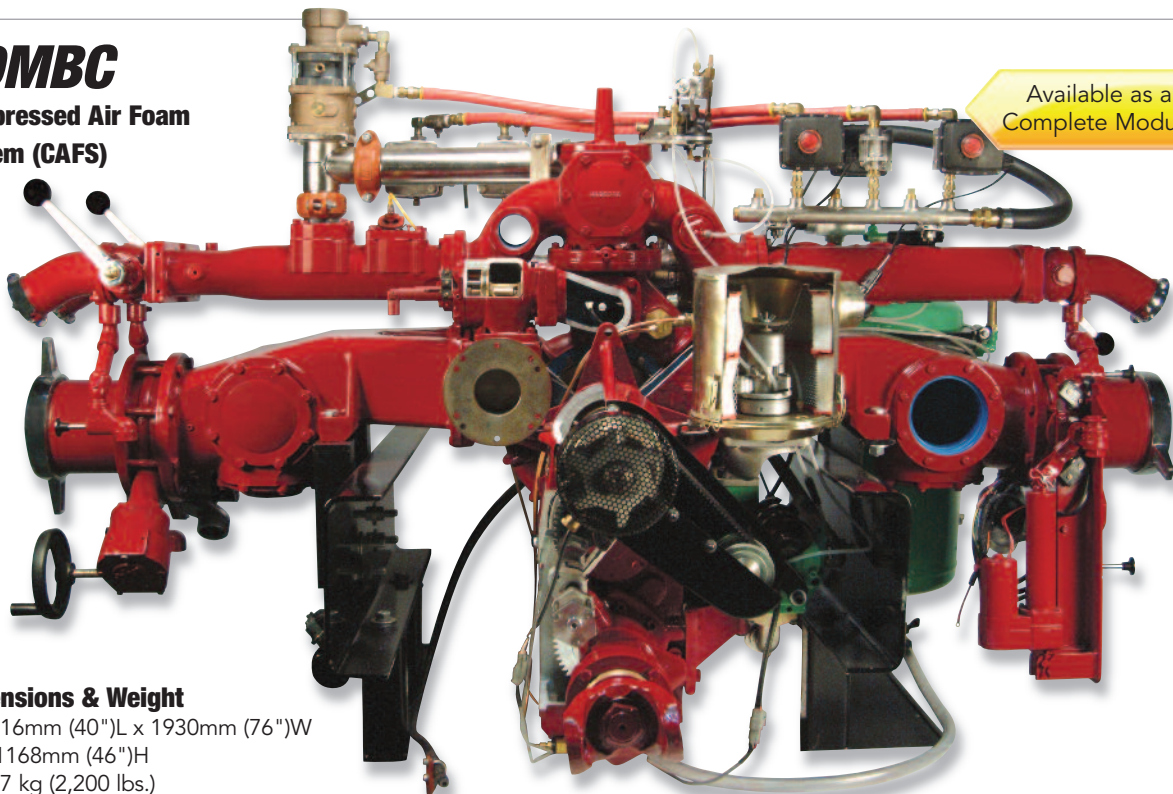
Simultaneous Flow

303 L/M (80 gpm) & 1133 L/M (40 cfm) @ 6.9 bar (100 psi)

LDMBC

Compressed Air Foam System (CAFS)

Available as a Complete Module



Dimensions & Weight

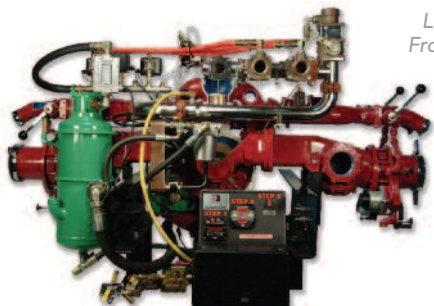
- ▶ 1016mm (40")L x 1930mm (76")W x 1168mm (46")H
- ▶ 997 kg (2,200 lbs.)

Applications

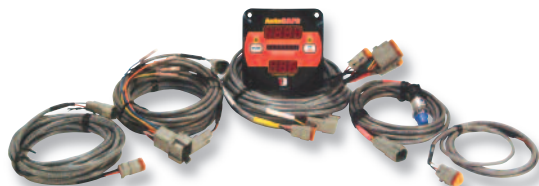
- ▶ Aerial
- ▶ Pumper
- ▶ Rescue pumper
- ▶ Pumper tanker

Uses

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



LDMBC
Front View



AutoCAFS™ Commander control system. Indicates and operates all CAFS functions and system information.

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)

LDMBC 1000-1750 Features

AutoCAFS™

- ▶ 4 - 64mm (2½") NH, ¼ turn, ball valves
- ▶ 2 - 127mm (5") or 152mm (6") NH suction adapters and caps
- ▶ Discharge and suction companion flanges as needed
- ▶ Air shift
- ▶ 1610 or 1710 full round yokes standard
- ▶ Output shaft for AZ02900 220 cfm compressor package
- ▶ Remote packing adjustment cables

LDMBC - Complete Module, Side Control Panel or Top Console Control Panel

- ▶ All accessories for crosslay operation
- ▶ Hypro 2002 proportioner
- ▶ Air control valve
- ▶ "Vision Series" identification labels
- ▶ Completely plumbed and service tested

LDMBC - Complete with Foam Pro 2002 Proportioner Ready-to-Install

- ▶ LDMBC 1000-1750 pump assembly
- ▶ 4 - 64mm (2½") NH, ¼ turn, ball valves with caps
- ▶ 2 - 127mm (5") or 152mm (6") NH suction adapters and caps
- ▶ Discharge and suction companion flanges as needed
- ▶ 1710 full round yokes standard
- ▶ Air shift pump engagement
- ▶ AZ02900 220 cfm compressor package
- ▶ YE06101 CAFS manifold
- ▶ 1 - 64mm (2½") and 3 - 51mm (2") flanged outlets
- ▶ 3 - AZ02500 51mm (2") CAFS discharge valve assemblies
- ▶ AZ02600 64mm (2½") CAFS discharge valve assembly
- ▶ AZ02301 13mm (½") air valve manifold with air flow meter
- ▶ 4 - AZ02400 CAFS air valve volt assemblies
- ▶ Class A Foam Pro 2002 Proportioner
- ▶ 8 gallon poly foam tank
- ▶ Low level tank sensor