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A Safe Fleet Brand
26 Southern Blvd. Nesconset, NY 11767 • Tel: 631.724.8888 • Fax: 631.360.9727
1.800.645.0074
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2015.1
System Reliability
Renowned for its reliability, FoamPro has proven itself since 1989 in the harshest conditions on fire grounds worldwide. We continually develop new and improved high-tech proportioning systems by incorporating ideas and suggestions from the field. To assure quality and compliance, only FoamPro requires system designs to be subjected to intense third-party testing. Stringent electronic emission control is verified according to MIL-STD 461E. Designs are then put to grueling SAE and US military specifications by independent evaluators for heavy-use, off road mobile apparatus. All FoamPro systems meet or exceed National Fire Protection Association (NFPA) standards.

Operator Interface
Automatic system designs incorporate ultra-bright LED digital displays providing the operator with real-time solution flow, injection percentage, and percentage concentrate used during operation. Other proportioning options include straight-forward controls operated by a turn of a dial or throw of a switch.

System Testing – Environmentally Green
FoamPro direct injection systems can be tested and calibrated without consuming foam concentrate or putting the environment at risk. Using the calibrate/inject valve, the system is run with the concentrate measured and directed either back to the foam cell or to a separate holding tank. Other proportioning options include straight-forward controls operated by a turn of a dial or throw of a switch.

Customer Support
FoamPro systems are backed by a dedicated sales and support team averaging more than 25 years of fire industry experience. We are a great resource and happy to provide system type, sizing, or usage guidance. Please feel free to contact your local regional sales manager or our technical team with any questions for assistance.

Unmatched Accuracy – Cost Savings
FoamPro brand systems are the most accurate proportioners on the market, to within 5% or less. Unlike other proportioning technologies, FoamPro’s patented automated controls assure unmatched accuracy across the full performance range, eliminating needless waste of concentrate and dollars. FoamPro automatic systems incorporate advanced microprocessor control technology that provides extremely accurate water flow measurement and precise foam solution. This pinpoint accuracy is maintained from minimum to maximum discharge, greatly reducing concentrate usage, cost, and logistical operations to re-supply.

Specify Top Performance.
Ease of use – less training
At the push of a button or turn of a dial, FoamPro is hands-down, the easiest system to use. Controls incorporate functions that are similar across the product line and intuitive to the operator, requiring less training. Automatic type systems utilize advanced microprocessor technology to manage the complete system by supplying exact amounts of foam – automatically and on demand. In the heat of a battle, it is one less thing to monitor.

Unsurpassed Features
No other proportioner delivers foam as easily and accurately as FoamPro. System designs incorporate the latest technological advancements to meet the rigorous demands of firefighting. FoamPro offers the greatest choice of models, capacities, options, and accessories to meet your specific operation and requirements – from proportioning to foam cell refill.

Choose the industry leader!
Regardless of the additive, Fire Research Corporation’s FoamPro brand offers the ultimate proportioning systems for your new or retrofit apparatus. Numerous models incorporating direct injection or around-the-pump technologies are available to meet unique requirements for municipal, wildland, marine, industrial, ARFF, and CAFS applications. In addition, hundreds of options and accessories have been engineered to provide customized solutions for your specific requirements.

As the worldwide leader, FoamPro systems provide fully-automatic foam proportioning with operator friendly controls. With concentrate capacities to 300 GPM and choices of single/multi-point direct injection or budget friendly around-the-pump systems, FoamPro has the ultimate foam management system for all of your applications.
Direct injection foam proportioning systems add the foam concentrate downstream of the water pump. In this system, flushing of the water pump is not necessary.
Leading off the FoamPro line, the 1600 series proportioning systems are specifically designed for Class A foam operations. The compact system features fully automatic foam proportioning, regardless of changes in flow or pressure, and delivers unmatched accuracy over the entire flow range. Proportioning is continuous with no need to stop for foam tank refill. The panel-mounted control module provides simple operation at the flip of a switch and offers easy selection of foam percentage. Foam concentrate is delivered by a twin plunger pump coupled to a 1/3 HP motor (12 or 24 VDC). Also included is a flow sensor (choice of 1-1/2" with 1" bore, 1-1/2" or 2"), strainer, foam injection check valve, complete shielded cable set, and RFI/EMI suppression kit. The 1600 Model is engineered for greater capacity while the 1601 Model is specifically designed for extended ultra-low flow applications.
### 1600 Series

**Foam Pump:** Twin Plunger Pump  
**Foam Output:**  
- 1.0 gpm @ 200 psi - (3.8 L/min @ 13.8 BAR) 1601  
- 1.7 gpm @ 200 psi - (6.4 L/min @ 13.8 BAR) 1600  
**Lift Capability:** 3ft 1600/1601  
**Pump Motor:** 1/3 hp (.25 Kw) @ 12 and 24 volt DC  
**Maximum Operating Pressure:** 400 psi (27.6 BAR)  
**Maximum Operating Temperature:** 160°F (71°C)  
**Maximum Amp Draw:**  
- 19 amps (1601) @ 12 volt DC  
- 30 amps (1600) @ 12 volt DC  
- 11 amps (1601) @ 24 volt DC  
- 15 amps (1600) @ 24 volt DC  

**System Capacity**

<table>
<thead>
<tr>
<th>Foam Concentration</th>
<th>1601 Maximum Water Flow GPM (L/min)</th>
<th>1600 Maximum Water Flow GPM (L/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2%</td>
<td>500 (1,893)</td>
<td>850 (3,218)</td>
</tr>
<tr>
<td>0.5%</td>
<td>200 (757)</td>
<td>340 (1,287)</td>
</tr>
<tr>
<td>1.0%</td>
<td>100 (379)</td>
<td>170 (644)</td>
</tr>
</tbody>
</table>

**1600 Series Attack Capacity**

<table>
<thead>
<tr>
<th>Class A Foam Concentration</th>
<th>1601 Maximum Coverage per Critical Application Rate (Iowa Formula)</th>
<th>1600 Maximum Coverage per Critical Application Rate (Iowa Formula)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2%</td>
<td>50,000 cu. ft.</td>
<td>85,000 cu. ft.</td>
</tr>
<tr>
<td>0.5%</td>
<td>20,000 cu. ft.</td>
<td>34,000 cu. ft.</td>
</tr>
<tr>
<td>1.0%</td>
<td>10,000 cu. ft.</td>
<td>17,000 cu. ft.</td>
</tr>
</tbody>
</table>

**System Diagrams**

**1600 Series**

- Control Module  
- Pump Motor  
- Foam Pump Assembly  
- Foam Concentrate Tank  
- Foam Pump Assembly with Sensor Mount  
- Check Valve  
- Waterway  
- Discharge Check Valve  
- Intake  
- Sensor Mount  

**1600 Series with Single Tank Flush**

- Control Module  
- Pump Motor  
- Foam Pump Assembly  
- Single Tank Flush  
- Foam Concentrate Tank  
- Foam Pump Assembly with Sensor Mount  
- Check Valve  
- Waterway  
- Discharge Check Valve  
- Intake  
- Sensor Mount  

---

**Performance for 1600 Series**

![Graph showing performance](image-url)
Designed for Class A and Class B foam applications, the 2000 series of proportioners delivers greater flow capabilities than the 1600 series. In addition, the panel-mounted digital control module offers easy to use, push button control. Real time flow and proportioning performance information is displayed by ultra-bright LED readouts. The system features fully automatic foam proportioning, regardless of changes in flow or pressure, and delivers unmatched accuracy over the entire flow range. Proportioning is continuous with no need to stop for foam tank refill. Three models are available, differing in concentrate capacity: the 2001 at 2.6 gpm, the 2002 at 5.0 gpm, and the 2024 (24 VDC only) at 6.3 gpm. Foam concentrate is delivered by a triplex plunger pump and motor (12 or 24 VDC) assembly. The optional advanced feature controller offers “auto-on” programming.

**2000 Series**
(Class A and/or B Foam)

**Ideal for use on:**
- Municipal pumpers
- Fast attack/wildland vehicles
- Marine and shipboard system
- Compressed Air Foam Systems

**System features and benefits:**
- Fully automatic—on demand
- Discharge side injection
- No in-line restrictions, greater flow
- Unmatched accuracy over the widest range of flow
- Smoothest proportioning available at ultra-low flow
- Leading in industry in proven reliability
- Proportions continuously, with no stopping to refill
- Delivers 0.01 to 6.3 gpm (0.04 – 24 L/min)
- Injection pressure to 400 psi (27.6 BAR)
- Achieves full pump capacity with all known Class A, Class B, AFFF, and most Class B AR-AFFF
- Installs easily in new or existing apparatus

**Control module features:**
- Ultra bright LED digital readout
- Injection percentage from 0.1% to 10.0%
- Display following information:
  - Low concentrate/No concentrate warning
  - Water flow rate
  - Total water used
  - Injection percentage
  - Total concentrate used
- Dual-tank capability and calibration
- Displays separate totals for each tank
- Calibrate for each concentrate

**Options:**
- Concentrate Management Systems
- Advanced Feature Controller - Auto On
- Multi/Pro
- Remote Start/Stop for pump and roll applications
- Dual-Injection Selector
- Solid State Contactor
- Flow sensors, check valves, manifolds
- Low-Level Sensors

Low-level sensor, flow sensor & check valve pictured.
### 2000 Series Attack Capability

**Foam Pump:** Triplex Plunger Pump

**Foam Output:**
- 2.6 gpm @ 150 psi - (9.84 L/min @ 10.3 BAR) 2001
- 5.0 gpm @ 125 psi - (18.9 L/min @ 10.3 BAR) 2002
- 6.3 gpm @ 218 psi - (24 L/min @ 15 BAR) 2024 (24 VDC only)

**Pump Motor:**
- 1/2 hp (.40 Kw) 12 and 24 volt DC - 2001
- 3/4 hp (.56 Kw) 12 and 24 volt DC - 2002
- 1-1/2 hp (1.12 Kw) 24 volt DC Only - 2024

**Maximum Operating Pressure:**
- 400 psi (27.6 BAR) STD

**Maximum Operating Temperature:**
- 160°F (71°C)

**Maximum Amp Draw:**
- 40 amps @ 12 volt DC - 2001
- 60 amps @ 12 volt DC - 2002
- 21 amps @ 24 volt DC - 2001
- 30 amps @ 24 volt DC - 2002
- 60 amps @ 24 volt DC - 2024 (24 VDC Only)

### System Capacity

<table>
<thead>
<tr>
<th>Foam Concentration</th>
<th>2001 Maximum Water Flow GPM (L/min)</th>
<th>2002 Maximum Water Flow GPM (L/min)</th>
<th>2024 Maximum Water Flow GPM (L/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2%</td>
<td>1,300 (4,921)</td>
<td>2,500 (9,464)</td>
<td>3,170 (12,000)</td>
</tr>
<tr>
<td>0.5%</td>
<td>520 (1,968)</td>
<td>1,000 (3,785)</td>
<td>1,268 (4,800)</td>
</tr>
<tr>
<td>1.0%</td>
<td>260 (984)</td>
<td>500 (1,893)</td>
<td>634 (2,400)</td>
</tr>
<tr>
<td>3.0%</td>
<td>85 (322)</td>
<td>166 (628)</td>
<td>211 (800)</td>
</tr>
</tbody>
</table>

### System Diagrams

#### 2000 Series with Manual Concentrate Mgmt System

#### 2000 Series with Electronic Concentrate Mgmt System
The Ultimate in Foam Technology

TurboFoam is a direct injection foam proportioning system that is available in several models with a variety of features, options, and accessories. With accurate foam proportioning for both Class A and/or Class B applications, TurboFoam provides an all-in-one design for complete foam management. The unique preset feature allows for simple foam operation while the integrated digital displays and smart features provide greater versatility. The foam pump assembly includes the pump and electric motor along with the foam pump control box. Six pump sizes are available: 1.6 GPM, 2.6 GPM, 3.5 GPM, 5.0 GPM, 6.2 GPM, and 6.5 GPM (with 24 VDC systems only).

TurboFoam Series
(Class A and/or B Foam)

Ideal for use on:
- Municipal fire
- Brush fire
- Forestry fire fighting apparatus

System features and benefits:
- LED digital readout
- USB port interface
- Over 30 programmable codes
- Service reminders
- Pump pressure relief valve
- Foam tank low and empty warnings
- Time remaining for operation at current concentrate usage display

Control module features:
- On/Off button with LED indicator
- Flow rate display
- Electronic flush (TFC300/400 Only)
- Preset foam percent
- Foam percent display
- Push button control
- Dual tank selector (TFC 400 only)

Options:
- Manual ABF selector
- TankVision or tank float switch
- Discharge check valve assembly
- Remote ON/OFF switch
- Paddle wheel flow sensors

Optional TankVision & Manual ABF Selector pictured.
A Solution For All Foam Applications

Foam Innovations
The foam pump assembly includes the pump and electric motor along with the foam pump control box. The calibration bypass valve and a pressure relief valve are included as part of this assembly.

Triplex Plunger Pump
- Viton seals
- Die cast bodies
- Forged brass heads
- Solid ceramic plungers
- Oil level sight glass
- Oil reservoir vented cap/dip stick
- Oversized roller bearings
- Anodized cast cooling fins

Electric Motor
- Designed for use in wet environment
- Moisture-resistant interior components
- Durable white epoxy coating
- Endshield drains
- RPM sensor
- Stainless steel shaft
- Built-in cooling fan
(3/4 & 1 HP motors only)

Pressure Relief Valve
- Factory set for 400 PSI
- Adjustable when required

Calibration Bypass Valve
- Calibrated using operational concentrate
- Concentrate is returned to system, no waste

TurboFoam Interfaces with TankVision and Insight Ultimate via Datalink.
- Provides Accurate Monitoring of Foam Tank Volume
- Displays Low Foam Tank Warning
- Supplies Tank Empty Information
- Displays Time Remaining for Operation at Current Concentrate Usage
- Capable of Dual Tank Monitoring

TurboFoam

The simplest system, this control is for use with a single foam tank. A single 4-digit display and four LED indicators provide system information to the operator. A mode button is used to toggle the display to view foam percent, water flow, or flow totaling.

TFC100
Flexible programming allows this control to be used with a single foam tank or in a two foam tank system when the manual ABF selector option is installed.

TFC200
This control is for use with a single foam tank and includes an electric valve to provide electronic flush control. A flush button with an LED indicator on the control module operates the flush valve.

TFC300
This control is for use with two foam tanks and includes the 3-valve electric ABF selector to provide automatic electronic flush control. A flush button with LED indicator and an A/B button with foam A and foam B indicator LEDs on the control module operate the ABF selector.

TFC400

6 Pump Sizes Get The Job Done
1.6GPM, 2.6GPM, 3.5GPM, 5.0GPM, 6.2GPM, 6.5*GPM *with 24 VDC systems only
**TurboFoam Series**

<table>
<thead>
<tr>
<th>Pump Sizes GPM (LPM)</th>
<th>1.6 (6.06)</th>
<th>2.6 (9.84)</th>
<th>3.5 (13.25)</th>
<th>5.0 (18.93)</th>
<th>6.2 (23.47)</th>
<th>6.5 (24.61)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor Size (horsepower)</td>
<td>1/3</td>
<td>1/2</td>
<td>3/4</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>DC Voltage</td>
<td>12 or 24</td>
<td>12 or 24</td>
<td>12 or 24</td>
<td>12 or 24</td>
<td>12</td>
<td>24</td>
</tr>
<tr>
<td>Maximum Current (Amps)</td>
<td>36 or 18</td>
<td>50 or 25</td>
<td>68 or 34</td>
<td>78 or 39</td>
<td>90</td>
<td>45</td>
</tr>
</tbody>
</table>

**System Capacity**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2%</td>
<td>800 (3,028)</td>
<td>1,300 (4,921)</td>
<td>1,750 (6,624)</td>
<td>2,500 (9,463)</td>
<td>3,100 (11,734)</td>
<td>3,250 (12,301)</td>
</tr>
<tr>
<td>0.5%</td>
<td>320 (1,211)</td>
<td>520 (1,968)</td>
<td>700 (2,650)</td>
<td>1,000 (3,785)</td>
<td>1,240 (4,694)</td>
<td>1,300 (4,921)</td>
</tr>
<tr>
<td>1.0%</td>
<td>160 (606)</td>
<td>240 (864)</td>
<td>350 (1,325)</td>
<td>500 (1,883)</td>
<td>620 (2,347)</td>
<td>650 (2,461)</td>
</tr>
<tr>
<td>3.0%</td>
<td>53 (202)</td>
<td>87 (328)</td>
<td>117 (432)</td>
<td>166 (628)</td>
<td>207 (762)</td>
<td>217 (820)</td>
</tr>
<tr>
<td>6.0%</td>
<td>27 (101)</td>
<td>43 (164)</td>
<td>56 (221)</td>
<td>83 (315)</td>
<td>103 (391)</td>
<td>108 (410)</td>
</tr>
</tbody>
</table>

**TurboFoam Series Attack Capability**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2%</td>
<td>80,000 (2,865)</td>
<td>130,000 (3,881)</td>
<td>175,000 (6,465)</td>
<td>250,000 (7,029)</td>
<td>310,000 (8,718)</td>
<td>325,000 (8,903)</td>
</tr>
<tr>
<td>0.5%</td>
<td>38,000 (1,297)</td>
<td>62,000 (2,217)</td>
<td>70,000 (1,692)</td>
<td>100,000 (3,073)</td>
<td>124,000 (3,915)</td>
<td>130,000 (3,881)</td>
</tr>
<tr>
<td>1.0%</td>
<td>16,000 (583)</td>
<td>26,000 (788)</td>
<td>30,000 (991)</td>
<td>50,000 (1,416)</td>
<td>62,000 (1,786)</td>
<td>65,000 (1,841)</td>
</tr>
</tbody>
</table>

**Hydrocarbon @ 0.3785 Ltr/Sq Meter**

<table>
<thead>
<tr>
<th>Foam Concentration (L/min)</th>
<th>TFC16 Sq/Ft Cu/Meter</th>
<th>TFC26 Sq/Ft Cu/Meter</th>
<th>TFC35 Sq/Ft Cu/Meter</th>
<th>TFC50 Sq/Ft Cu/Meter</th>
<th>TFC62 Sq/Ft Cu/Meter</th>
<th>TFC65 Sq/Ft Cu/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0%</td>
<td>1,600 (149)</td>
<td>2,600 (242)</td>
<td>3,500 (305)</td>
<td>5,000 (460)</td>
<td>6,200 (576)</td>
<td>6,500 (604)</td>
</tr>
<tr>
<td>3.0%</td>
<td>530 (49)</td>
<td>870 (81)</td>
<td>1,170 (109)</td>
<td>1,660 (154)</td>
<td>2,070 (192)</td>
<td>2,170 (202)</td>
</tr>
<tr>
<td>6.0%</td>
<td>270 (25)</td>
<td>430 (40)</td>
<td>580 (54)</td>
<td>830 (77)</td>
<td>1,030 (96)</td>
<td>1,080 (100)</td>
</tr>
</tbody>
</table>

**Polar Solvent @ 0.797 Ltr/Sq Meter**

<table>
<thead>
<tr>
<th>Foam Concentration (L/min)</th>
<th>TFC16 Sq/Ft Cu/Meter</th>
<th>TFC26 Sq/Ft Cu/Meter</th>
<th>TFC35 Sq/Ft Cu/Meter</th>
<th>TFC50 Sq/Ft Cu/Meter</th>
<th>TFC62 Sq/Ft Cu/Meter</th>
<th>TFC65 Sq/Ft Cu/Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0%</td>
<td>265 (25)</td>
<td>435 (40)</td>
<td>585 (54)</td>
<td>830 (77)</td>
<td>1,035 (96)</td>
<td>1,085 (100)</td>
</tr>
<tr>
<td>6.0%</td>
<td>135 (13)</td>
<td>215 (20)</td>
<td>290 (27)</td>
<td>415 (39)</td>
<td>515 (48)</td>
<td>540 (56)</td>
</tr>
</tbody>
</table>

**Single Tank Systems**

*TFC100 / TFC200 / TFC300 with Electric Flush Valve*

*TFC100/200 requires installation of a remote flush switch.*

**Dual Tank Systems**

*TFC200 with Manual ABF Selector*

*TFC400 with Electric ABF Selector*
Direct injection foam proportioning systems add the foam concentrate downstream of the water pump. In this system, flushing of the water pump is not necessary.
Greater Class A and Class B firefighting power is at your fingertips with the FoamPro Model 3012 proportioner. This versatile system delivers unmatched, supercharged performance with concentrate flow from 0.1 to 12.0 gpm at 0-400 psi, all from a single pump. High drafting capabilities allow off-board pickup for foam operations or tank refill, which is crucial for higher flow demands or when changing concentrates. Unlike other pump designs that may pause in flow during operation, FoamPro’s triplex plungers are timed to discharge one after the other delivering smooth, continuous injection. The hydraulic pump drive and microprocessor control technology delivers extremely accurate concentrate injection from minimum flow to full capacity. The system includes the same industry-proven, ultra-bright LED digital display/control module used on FoamPro 2000 series proportioning systems.

3012 Series
(Class A and/or B Foam)

Ideal for use on:
• Municipal pumpers
• Aerials
• Marine and shipboard systems
• Compressed Air Foam Systems

System features and benefits:
• Fully automatic-on demand
• Discharge side injection
• No in-line restrictions, greater flow
• Unmatched accuracy over the widest range of flow
• Smoothest proportioning available at ultra-low flow
• Leading the industry in proven reliability
• Proportions continuously, with no stopping to refill
• Industry’s highest capacity Class A/B system
• Variable displacement hydraulic pump
• Delivers 0.1 to 12.0 gpm (0.38 - 45.4 L/min)
• Injection pressure to 400 psi (27.6 BAR)
• Achieves full pump capacity with all known Class A, Class B AFFF and most Class B AR-AFFF
• Installs easily in new or existing apparatus

Control module features:
• Ultra-bright LED digital readout
• Injection percentage from 0.1% to 10.0%
• Display following information:
  - Low concentrate/No concentrate warning
  - Water flow rate
  - Total water used
  - Injection percentage
  - Total concentrate used
• Dual-tank capability
• Displays separate totals for each tank
• Calibrate for each concentrate

Options:
• Concentrate management systems
• Advanced feature controller - auto on
• MultiFlo
• Remote start/stop for pump and roll applications
• Dual-injection selector
• Solid state contactor
• Flow sensors, check valves, manifolds
• Low-Level sensors
• Manual Override
• Single tank and off-board pickup

Low-level sensor, flow sensor & check valve pictured.
**Model 3012**

<table>
<thead>
<tr>
<th>Foam Pump:</th>
<th>Triplex Plunger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foam Output GPM:</td>
<td>0.1-12.0</td>
</tr>
<tr>
<td>(L/min) @ 200 psi:</td>
<td>(0.38-45.4)</td>
</tr>
<tr>
<td>Maximum Operating Pressure PSI (BAR):</td>
<td>400 (28)</td>
</tr>
<tr>
<td>Maximum Operating Temperature °F (°C):</td>
<td>160 (71)</td>
</tr>
<tr>
<td>Pump Motor:</td>
<td>Hydraulic</td>
</tr>
<tr>
<td>Hydraulic Supply Oil:</td>
<td>1,250</td>
</tr>
<tr>
<td>Pressure PSI (BAR):</td>
<td>(86.2)</td>
</tr>
<tr>
<td>Hydraulic Supply Oil Flow GPM (L/min):</td>
<td>12 (45.4)</td>
</tr>
<tr>
<td>Maximum Amp Draw:</td>
<td>5</td>
</tr>
</tbody>
</table>

**System Capacity**

<table>
<thead>
<tr>
<th>Foam Concentration</th>
<th>Maximum Water Flow GPM (L/min)</th>
<th>Foam Concentration</th>
<th>Maximum Water Flow GPM (L/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2%</td>
<td>6,000 (22,771)</td>
<td>1.0%</td>
<td>1,200 (4,542)</td>
</tr>
<tr>
<td>0.3%</td>
<td>4,000 (15,140)</td>
<td>3.0%</td>
<td>400 (1,514)</td>
</tr>
<tr>
<td>0.5%</td>
<td>2,400 (9,084)</td>
<td>6.0%</td>
<td>200 (757)</td>
</tr>
</tbody>
</table>

**Model 3012 Attack Capacity**

<table>
<thead>
<tr>
<th>Class A Foam Concentration</th>
<th>3012 Maximum Coverage per Critical Application Rate (Iowa Formula)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2%</td>
<td>600,000 cu. ft.</td>
</tr>
<tr>
<td>0.5%</td>
<td>240,000 cu. ft.</td>
</tr>
<tr>
<td>1.0%</td>
<td>120,000 cu. ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Class B Foam Concentration</th>
<th>Hydrocarbon @ 0.10 gpm/sq. ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0%</td>
<td>12,000 sq. ft.</td>
</tr>
<tr>
<td>3.0%</td>
<td>4,000 sq. ft.</td>
</tr>
<tr>
<td>6.0%</td>
<td>2,000 sq. ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Class B Foam Concentration</th>
<th>Polar Solvent @ 0.20 gpm/sq. ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0%</td>
<td>2,000 sq. ft.</td>
</tr>
<tr>
<td>6.0%</td>
<td>1,000 sq. ft.</td>
</tr>
</tbody>
</table>

**System Diagram**
s accuracy critical? Let’s assume you are treating just 5000 gpm at 3% with older technology that is 30% inaccurate. Your concentrate requirements would be 150 gpm plus 45 gpm of inaccuracy. At $20 per gallon, your additional cost is $900 per minute. In addition, your logistical efforts will require movement of the additional concentrate or 195 gpm total. Multiply these totals by incident time to determine your true cost.

AccuMax® Series

Big water flow requires dependable, accurate and easy to use foam proportioning. AccuMax, the industry’s first high-volume, on-demand, direct injection system, sets new standards for industrial foam management systems. By incorporating the most advanced microprocessor-driven control and measurement technologies, the AccuMax series of proportioners delivers unmatched accuracy with extreme ease. At the push of a button, these hydraulically-powered systems measure water flow and automatically inject the desired amount of foam concentrate; all with pinpoint precision.

In addition, greater performance is achieved at the nozzle as flow sensor technology doesn’t restrict flow like eductors and ratio controllers. The true flow-based operation allows unlimited placement of the apparatus, meaning increased safety with positioning further from the incident. All AccuMax systems utilize industry-proven and dependable rotary gear foam pumps. High drafting capabilities allow off-board pickup for foam operations or tank refill, which is crucial for higher flow demands or when changing concentrates.

Calibration and tests are performed without mixing concentrate with water, saving thousands of dollars in wasted concentrate over the life of the vehicle. This system is truly environmentally green as reclamation of foam solution is not required.

Available in either single- or multi-point injection and with capacities to 300 gpm (1135 L/min), AccuMax delivers extreme foam concentrate for any “Big Flow” application. When your large, high value assets are at risk, AccuMax is the system you want for their protection.
AccuMax® Single-Point Injection

(Class B Foam Only)

Ideal for use on:
- Industrial pumpers
- Industrial aerials
- Marine and shipboard systems

Designed and engineered specifically for applications requiring a single, high flow foam solution. Class B firefighting power is at your fingertips via the same industry-proven, digital display/control module used on FoamPro 2000 series systems. AccuMax single-point injection systems measure water flow in a common manifold and inject according to operator settings. All foam-capable discharges flow solution at the same percentage. Injection percentage is automatic with programmable default settings or easily changed at the push of a button. Real time flow and performance information is displayed by ultra-bright LED readouts.

System features and benefits:
- Fully automatic-on demand
- Discharge side injection
- No in-line restrictions, greater flow
- Unmatched accuracy over the widest range of flow
- Leading the industry in proven reliability
- Calibrate and test without mixing concentrate
- Industry’s highest capacity system
- Increased safety - Unlimited placement
- Delivers up to 300 gpm (1135 L/min)
- Injection pressure to 300 psi (20 BAR)
- Achieves full pump capacity with all known Class B concentrate
- Excellent draft capability for off-board supply

Control Module Features
- Ultra-bright LED digital readout
- Injection percentage from 0.1% to 10.0%
- Display following information:
  - Low concentrate/ no concentrate warning
  - Water flow rate
  - Total water used
  - Injection percentage
  - Total concentrate used
  - Dual-foam supply capability
- Displays separate totals for each tank
- Calibrate for each concentrate

Options
- Advanced Feature Controller - Auto On
- MultiFlo
- Remote Start/Stop
- Solid State Contactor
- Flow sensors, check valves, manifolds
- Low-Level Sensors
- Manual Override

Low-level sensor, flow sensor & check valve pictured.

### AccuMax® Single-Point Performance

<table>
<thead>
<tr>
<th>Foam Concentration</th>
<th>Maximum Water Flow GPM (LPFM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0%</td>
<td>2,000 (15) 2,000 (15) 6,000 (22.70) 9,000 (34.06) 9,000 (34.06) 15,000 (56.78) 30,000 (113.56)</td>
</tr>
<tr>
<td>3.0%</td>
<td>666 (2.521) 1,333 (5.046) 2,000 (7.571) 3,000 (11.134) 5,000 (18.907) 10,000 (37.854)</td>
</tr>
<tr>
<td>6.0%</td>
<td>333 (1.261) 666 (2.521) 1,000 (3.785) 1,500 (5.678) 2,500 (9.484) 5,000 (18.927)</td>
</tr>
</tbody>
</table>

### System Diagram

![AccuMax Single-Point System Diagram](image-url)
## AccuMax® Multi-Point Injection

### Ideal for use on:
- Industrial pumps
- Industrial aerials
- Marine and shipboard systems

Multi-point injection is designed specifically for high flow applications requiring different foam solution mixtures at each foam-capable outlet. A simple push of the digital master control “ON” button activates the system’s electronics and engages the hydraulically-driven concentrate pump. The master control manages overall performance as it receives information based on water flow and foam requirements from each discharge. A digital control module at each outlet allows the operator to choose between plain water or solution. If foam is required, proportioning is automatic, based on programmable default injection percentage. Injection rates are easily changed at the operator to choose between plain water or solution. If foam is required, proportioning is automatic, based on programmable default injection percentage. Injection rates are easily changed at the push of a button. Each control module displays real-time flow and performance information by ultra-bright LED readouts.

### System features and benefits:
- Fully automatic on-demand
- Up to ten individual discharge controls
- Choice of percentage at each discharge
- Multi-point, discharge-side injection
- No in-line restrictions, greater flow
- Unmatched accuracy over the widest range of flow
- Leading the industry in proven reliability
- Calibrate and test without mixing concentrate
- Industry’s highest capacity system
- Increased safety - Unlimited placement
- Delivers up to 300 gpm (1135 L/min)
- Injection pressure to 300 psi (20.7 BAR)
- Achieves full pump capacity with all known Class B concentrate
- Excellent draft capability for off-board supply

### Control Module Features:
- Ultra-bright LED digital readout
- Injection percentage from 0.1% to 25.0
- Display following information:
  - Low concentrate/No concentrate warning
  - Water flow rate
  - Total water used
  - Injection percentage
  - Total concentrate used
  - Advanced Feature Controller - Auto On
  - Diagnostic modes

### Options:
- Individual pressure readings
- Low flow options
- Manual override
- Solid state contactor
- Flow sensors, check valves, manifolds
- Individual line control sized to meet specific flow requirements

### Specifications

#### AccuMax® Multi-Point

<table>
<thead>
<tr>
<th></th>
<th>3040</th>
<th>3060</th>
<th>3090</th>
<th>3150</th>
<th>3300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Foam Output GPM (LM)</td>
<td>4.0</td>
<td>5.0</td>
<td>6.0</td>
<td>10.0</td>
<td>12.0</td>
</tr>
<tr>
<td>Maximum Foam Output GPM (LM)</td>
<td>(15)</td>
<td>(19)</td>
<td>(37)</td>
<td>(58)</td>
<td>(65)</td>
</tr>
<tr>
<td>Maximum Operating Pressure PSI (BAR)</td>
<td>290</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>Oil Flow GPM (LPM)</td>
<td>(177)</td>
<td>(173)</td>
<td>(173)</td>
<td>(173)</td>
<td>(173)</td>
</tr>
<tr>
<td>Oil Pressure PSI (BAR)</td>
<td>2,440</td>
<td>1,484</td>
<td>4,479</td>
<td>4,479</td>
<td>4,479</td>
</tr>
<tr>
<td>Minimum Foam Tank Volume (L)</td>
<td>16.3</td>
<td>22.9</td>
<td>23.7</td>
<td>29.5</td>
<td>47.4</td>
</tr>
<tr>
<td>Maximum Foam Tank Volume (L)</td>
<td>(61.7)</td>
<td>(66.7)</td>
<td>(77.7)</td>
<td>(91.7)</td>
<td>(179.4)</td>
</tr>
<tr>
<td>Maximum Concentration</td>
<td>3.0%</td>
<td>3.0%</td>
<td>3.0%</td>
<td>3.0%</td>
<td>3.0%</td>
</tr>
<tr>
<td>Maximum Flow (LPM)</td>
<td>(151)</td>
<td>(227)</td>
<td>(341)</td>
<td>(568)</td>
<td>(1,136)</td>
</tr>
<tr>
<td>Maximum Amp Draw</td>
<td>5.0</td>
<td>5.0</td>
<td>5.0</td>
<td>5.0</td>
<td>5.0</td>
</tr>
</tbody>
</table>

#### System Capacity

<table>
<thead>
<tr>
<th>Foam Concentration</th>
<th>3040</th>
<th>3060</th>
<th>3090</th>
<th>3150</th>
<th>3300</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0%</td>
<td>4,000 (15,140)</td>
<td>5,000 (22,700)</td>
<td>6,000 (34,069)</td>
<td>10,000 (56,781)</td>
<td>15,000 (113,563)</td>
</tr>
<tr>
<td>3.0%</td>
<td>1,333 (5,046)</td>
<td>2,000 (7,571)</td>
<td>3,000 (11,356)</td>
<td>5,000 (18,927)</td>
<td>10,000 (37,854)</td>
</tr>
<tr>
<td>6.0%</td>
<td>666 (2,521)</td>
<td>1,000 (3,785)</td>
<td>1,500 (5,678)</td>
<td>2,500 (9,464)</td>
<td>5,000 (18,927)</td>
</tr>
</tbody>
</table>

#### AccuMax® Multi-Point Performance

<table>
<thead>
<tr>
<th>Concentrate Flow GPM (LPM)</th>
<th>3040</th>
<th>3060</th>
<th>3090</th>
<th>3150</th>
<th>3300</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
<td>(724)</td>
<td>(218)</td>
<td>(366)</td>
<td>(431)</td>
<td>(560)</td>
</tr>
<tr>
<td>6.0</td>
<td>(724)</td>
<td>(218)</td>
<td>(366)</td>
<td>(431)</td>
<td>(560)</td>
</tr>
<tr>
<td>10.0</td>
<td>(1,163)</td>
<td>(1,396)</td>
<td>(1,629)</td>
<td>(1,862)</td>
<td>(2,095)</td>
</tr>
</tbody>
</table>

#### System Diagram

![System Diagram](image)
These systems do not require a foam concentrate pump, which will reduce maintenance over the life of the vehicle. When the foam system is activated, the foam concentrate will be drawn into the suction side of the pump, allowing the solution to be discharged. Around the Pump systems allow for very large foam discharge rates at a more economical cost.
AutoFoam Series
Complete automatic proportioning for Class B foam

Ideal for use on:
• Municipal Fire Apparatus
• Airport Rescue and Fire Fighting Apparatus
• Industrial Fire Apparatus
• Compressed Air Foam Systems

The AutoFoam around-the-pump system provides complete automatic proportioning for Class B foam. The operator selects a foam percent mixture and the solution provides a consistent foam solution at all discharges regardless of water flow fluctuations. A microprocessor controls the proportioning valve to automatically maintain accurate control over foam concentrate flow rates. The operator can override automatic operation by using the manual override buttons to control the proportioning valve. All operations, programming, and calibration are accomplished using the control module. Calibration for the system is stored in memory on each of the major components. This allows for the replacement of components without recalibration of the system.

System features
• Push button control
• Flow totaling for both foam concentrate and water
• Powers-up at the previous proportioning percent
• Manual override
• Remote Auto/Off switch (Optional)
• Built-in diagnostics

Control module features
• Current water flow
• Total amount of foam concentrate flow
• Foam concentrate left in tank (input required from TankVision display)
• Percent the value is open
• Stored faults with date and time using the INC and DEC buttons to scroll

Options
• Multiple discharge sensors
• Flow rates displayed in LPM
• Remote Auto/Off switch

System Diagram
Manual Foam Series
Manual proportioning for Class A or B foam

Many departments may not be able to justify the cost of a complicated electronic foam system. A simple and cost-effective way to provide your fire-fighting vehicles with Class A or Class B foam is with an around-the-pump, manual foam system like this. Specially engineered, highly efficient eductors and laser-cut metering valve orifices are the key to these high-performance systems. Many manual systems on the market today can’t deliver foam at these rates.

System Features
• Economical foam system provides the most foam for the lowest cost
• Operator-selected setting for correct foam flow in seconds
• Adjusts foam up or down quickly for all situations
• Wide operating range
• Proven reliable for high-flow operations

MFA200 Series Panel features
• Printed table on the face of the unit helps determine the required value setting
• Class A Foam System metering valve provides foam proportioning of 1/4%, 1/2%, and 1%.
• Class B Foam System metering valve provides foam proportioning of 3% and 6%.

MFA300 Series Panel features
• The required valve setting is simply set by adjusting the control knob to the discharge water flow (no table to reference).
• Class A Foam System metering valve provides foam proportioning of 1/2%, and 1%.
• Class B Foam System metering valve provides foam proportioning of 3% and 6%.

Foam System Ranges

<table>
<thead>
<tr>
<th>Model</th>
<th>Foam Type</th>
<th>Foam %</th>
<th>Discharge Flow Rate</th>
<th>Maximum Foam Concentrate Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFA200</td>
<td>Class A</td>
<td>1/4%, 1/2%, 1%</td>
<td>50-1000 GPM</td>
<td>5 GPM</td>
</tr>
<tr>
<td>MFA201</td>
<td>Class B</td>
<td>3%, 6%</td>
<td>50-1000 GPM</td>
<td>30 GPM</td>
</tr>
<tr>
<td>MFA220</td>
<td>Class A &amp; B</td>
<td>All above 200 system %</td>
<td>50-1000 GPM</td>
<td>–</td>
</tr>
<tr>
<td>MFA315</td>
<td>Class A</td>
<td>1/2%, 1%</td>
<td>50-2800 GPM</td>
<td>15 GPM</td>
</tr>
<tr>
<td>MFA342</td>
<td>Class B</td>
<td>3%, 6%</td>
<td>25-1400 GPM</td>
<td>42 GPM</td>
</tr>
<tr>
<td>MFA320</td>
<td>Class A &amp; B</td>
<td>All above system %</td>
<td>25-2800 GPM</td>
<td>–</td>
</tr>
</tbody>
</table>

System Diagram
Specialty Foam
Ideal for use on:

- Brush rigs
- AT/UTV utility apparatus
- Fast attack vehicles
- Wildland trucks

Combined Features and Benefits:

- Delivers 8 gpm (30 L/min) of solution @ 1400 psi (96 BAR)
- Triplex plunger pump provides dependability and high pressure performance
- Ideal for use with all Class A concentrates
- Adjustable control provides unmatched accuracy over the widest range of flow
- Dual-action spray gun delivers foam solution over 45 feet (13 meters)
- Thermal relief valve prevents overheating during extended idle
- Installs easily in new or existing apparatus
- Capable of drafting water up to 6’ and foam to 3’

System Includes:

- Dual-Action spray gun
- PowerPro™ electric start or Honda electric start
- Triplex plunger pump
- Precision foam control 0.3%- 3.0%
- Concentrate injector
- Intake check valve
- Over-Pressure protection
- Low-Oil sensor

Control Module Features:

- Foam percentage selector
- Injection percentage from 0.3% to 3.0%
- Visual foam flow confirmation

Options:

- Foam tanks available in 8, 12, 20 gallons (30, 45, 75 liters)
- Low pressure gun tips
- Hydraulic and belt drives available
- Custom flows and pressures

Drive Options:

- PowerPro™ electric-start gas engine
- Honda electric-start gas engine
- Hydraulic motor
FoamPro, the industry leader, offers two refill systems, truck-mounted (12 or 24 VDC) and a portable 110 AC, that perfectly complement foam operations on your apparatus. Power-Fill is an electronically-controlled, pre-plumbed, self-priming, concentrate refill system that will save you time and increase the safety of your firefighters. With the simple push of a button or switch, our refill systems quickly reload on-board foam cells without messy spillage. Most importantly, Power-Fill safely eliminates awkward and strenuous lifting of concentrate containers and allows easier transfer from totes. These systems will fill even the largest tanks quickly and efficiently. The high drafting, non-corrosive pump, is compatible with all concentrates and viscosities currently used.

Power-Fill™

**Truck-Mounted System**
12 or 24 VDC. Capable to 11 gpm

The system operates by attaching a suction hose to a pre-plumbed panel connection using a cam-lock fitting. The pick-up wand is then placed in the concentrate container. The operator simply pushes a button to engage the pumping system, which automatically fills and stops when the tank is full. An indicator light notifies the operator that the operation is complete. Even though the system recognizes a full cell, the manual override feature will engage the concentrate pump momentarily, allowing the operator to fully empty the container. System is equipped with fresh water-flush capabilities.

**System includes:**
- High-capacity concentrate pump
- Continuous-duty 12 or 24 VDC motor
- Electronic microprocessor control
- Flush valve and panel plate
- 1” concentrate pick-up wand and 6’ suction hose

**Portable System**
110 AC capable of up to 18 gpm for station use

The portable system is a remote operation that utilizes pre-plumbed, on-board piping. Connection of the discharge hose to the foam inlet is made with a cam-lock fitting. The pick-up wand on the suction side of the pump is placed in the concentrate container. To initiate refill, operator depresses momentary switch to engage the 110-volt pump. The tank is automatically filled and provides visual indication when complete. Carrying handle allows ease of transportation within the station or in the field.

**System includes:**
- High-capacity concentrate pump
- Continuous duty 110 AC motor with carrying handle
- GFI electrical cord with momentary switch
- Panel plate
- Indicator light
- Stainless fittings and cap
- 1” concentrate pick-up wand and 6’ suction hose

**Combined Features and Benefits:**
- Increased firefighter safety
- Saves time for team members
- Indicators provide system status
- Conveniently-mounted connections and controls
- Easily handles all concentrates
- Automatic system incorporates flush mode
- Compatible with all size totes and containers
- System reliability from a proven industry leader
- 9-10’ lift capability

Note: To avoid contamination, apparatus with multiple concentrate cells require a pumping system for each tank.
Specifying a 1600, 2000, 3012, or AccuMax® System

Your maximum and minimum flows and pressures for all discharges supplied with foam.

Example: Maximum: One deck gun: 500 gpm (1939 L/min) at 150 psi (10.3 BAR)
Minimum: One 1-1/2" line flowing 35 gpm (132.5 L/min) (mop-up), = 35 gpm (132.5 L/min) at 100 psi (6.9 BAR)

Determine the maximum and minimum foam concentrate levels that must be provided.

Example: Maximum: 1.0% AFFF Minimum: 0.5% Class A

Determine the size of the proportioner needed.

Example: Minimum Concentrate Requirement = maximum flow x maximum concentration
500 gpm (1833 L/min) x 1.0% = 5.0 gpm (18.9 L/min)

Example: Minimum Concentrate Requirement = minimum flow x minimum concentration
35 gpm (132.5 L/min) x 0.5% = 0.18 gpm (0.68 L/min)

Therefore, the FoamPro system must be capable of delivering 0.18 to 5.0 gpm (6.8 – 18.9 L/min) of concentrate. According to the performance curve, the Model 2002 will meet those requirements.

Determine if the flow sensor and flow sensor tee for the plumbing size being used will cover the range of flows in the first step.

Example: A 3" diameter pipe will be used to supply these discharges. The 3" flow sensor will accurately read between 30 gpm (113.6 L/min) and 1,150 gpm (4353 L/min). The required range is 35 gpm to 500 gpm (132.5 - 1893 L/min). Therefore, one flow sensor in a 3" tee will handle the requirements. If the flows should exceed the capacity of the flow sensor tee, then the installation would require two or more appropriate size flow sensors and a MultiFlo.

### Flow Sensor Tee

<table>
<thead>
<tr>
<th>Assy. Part Number</th>
<th>Size Tee (NPT)</th>
<th>Maximum Accuracy Flow Range</th>
<th>Maximum Operating Flow Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>2660-0030*</td>
<td>1-1/2&quot;</td>
<td>5-110 gpm (19-416 L/min)</td>
<td>3-145 gpm (11-549 L/min)</td>
</tr>
<tr>
<td>2660-0031</td>
<td>1-1/2&quot;</td>
<td>10-320 gpm (37.9-1211 L/min)</td>
<td>3-380 gpm (11.4-438 L/min)</td>
</tr>
<tr>
<td>2660-0032</td>
<td>2&quot;</td>
<td>15-520 gpm (56.8-1968 L/min)</td>
<td>5-625 gpm (19.2-666 L/min)</td>
</tr>
<tr>
<td>2660-0033</td>
<td>2-1/2&quot;</td>
<td>20-750 gpm (75.7-2839 L/min)</td>
<td>8-900 gpm (30.3-407 L/min)</td>
</tr>
<tr>
<td>2660-0034</td>
<td>3&quot;</td>
<td>30-1150 gpm (113.6-4353 L/min)</td>
<td>12-1380 gpm (45.4-5224 L/min)</td>
</tr>
<tr>
<td>2660-0035</td>
<td>4&quot;</td>
<td>50-1980 gpm (208.7-7453 L/min)</td>
<td>20-2380 gpm (75.7-9093 L/min)</td>
</tr>
</tbody>
</table>

* 1-1/2" bore

### Manifold w/ Check Valve

<table>
<thead>
<tr>
<th>Assy. Part Number</th>
<th>Size Tee (NPT)</th>
<th>Maximum Accuracy Flow Range</th>
<th>Maximum Operating Flow Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>2660-0051</td>
<td>1-1/2&quot;</td>
<td>10-320 gpm (37.9-1211 L/min)</td>
<td>3-380 gpm (11.4-438 L/min)</td>
</tr>
<tr>
<td>2660-0052</td>
<td>2&quot;</td>
<td>15-520 gpm (56.8-1968 L/min)</td>
<td>5-625 gpm (19.2-666 L/min)</td>
</tr>
<tr>
<td>2660-0053</td>
<td>2-1/2&quot;</td>
<td>20-750 gpm (75.7-2839 L/min)</td>
<td>8-900 gpm (30.3-407 L/min)</td>
</tr>
<tr>
<td>2660-0054</td>
<td>3&quot;</td>
<td>30-1150 gpm (113.6-4353 L/min)</td>
<td>12-1380 gpm (45.4-5224 L/min)</td>
</tr>
<tr>
<td>2660-0055</td>
<td>4&quot;</td>
<td>50-1980 gpm (208.7-7453 L/min)</td>
<td>20-2380 gpm (75.7-9093 L/min)</td>
</tr>
</tbody>
</table>

### Insertion Style Flow Sensor

<table>
<thead>
<tr>
<th>Assy. Part Number</th>
<th>Material</th>
<th>Pipe Size</th>
<th>Maximum Accuracy Flow Range</th>
<th>Maximum Operating Flow Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>2660-0044</td>
<td>Bronze Construction</td>
<td>5&quot;</td>
<td>80-3000 gpm (303-11945 L/min)</td>
<td>60-3670 gpm (227-13890 L/min)</td>
</tr>
<tr>
<td>2660-0056</td>
<td>Stainless Steel Construction</td>
<td>6&quot;</td>
<td>117-4700 gpm (443-17035 L/min)</td>
<td>60-3670 gpm (227-13890 L/min)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7&quot;</td>
<td>200-7600 gpm (757-28566 L/min)</td>
<td>60-3670 gpm (227-13890 L/min)</td>
</tr>
</tbody>
</table>

Standard Components / Options

**Dual Injector Selector (Requires MultiFlo)**

**Electric Concentrate Management System**

**Manual Concentrate Management System**

**Insertion Style Flow Sensor**

**Auxiliary Flow Ring**

**MultiFlo Interface**

**Advanced Fireflow Controller**

**System Schematic and Rating Picograms**

**Flow Sensor and Tee**

**Black Watering Check Valve**

**Low-Level Tank Sensor (Required)**

**Manual Assembly**

**Concentrate Cell**

**AccuMax® Low Controller**

**Solid State Controller**

**AccuMax® & 2012 Manual Override**

**Off-Site Pickup Kit**

**Remote Unidirectional Flow**

Electronic Concentrate Management System

Electronically-operated valve allows choice between two different concentrates. Flush mode prevents mixing, and interface with control head provides calibration and storage of performance results of each concentrate.

Available for models:

<table>
<thead>
<tr>
<th>Model</th>
<th>1600</th>
<th>2000</th>
<th>3012</th>
<th>2001</th>
<th>2010</th>
<th>2012</th>
<th>3010</th>
<th>3012</th>
<th>3010</th>
<th>3150</th>
<th>3260 &amp; 3240</th>
<th>3260 &amp; 3240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentrate</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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</tr>
</tbody>
</table>

Remote Start/Stop

Separately-mounted switches interface with digital control head allowing remote activation of the proportioner. Designed for in-cab pump & roll operations.

Available for models:

<table>
<thead>
<tr>
<th>Model</th>
<th>1600</th>
<th>2000</th>
<th>3012</th>
<th>3150</th>
<th>3260 &amp; 3240</th>
<th>3260 &amp; 3240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

NOTE: FoamPro systems will pump all known Class A and Class B Aqueous Film Forming Foam (AFFF) to capacity. Many brands of Alcohol-Resistant Aqueous Film Forming Foam (AR-AFFF) contain higher toxicity characteristics due to chemical composition and polymers. As toxicity increases, diminished flow may affect pump performance. Because of numerous variables, including pump design, foam cell configuration, inlet piping components, and system layout; please contact FoamPro for application-specific recommendations when foam viscosities of 2000 cps or higher are used.
Select Accessories and Options

MultiFlo Interface
Provides calibration and flow totals for up to four different discharges.

Available for models:

<table>
<thead>
<tr>
<th>Series</th>
<th>1600</th>
<th>2000</th>
<th>3012</th>
<th>AccuMax</th>
<th>AccuMax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-Point</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Multi-Point</td>
<td></td>
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</tbody>
</table>

Advanced Feature Controller
Provides programmable choice of activation of proportioning manually by push of ON button or automatically-ON with engagement of fire pump. Ideal for CAFS and SOP’s directing foam use.

Available for models:

<table>
<thead>
<tr>
<th>Series</th>
<th>1600</th>
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<th>3012</th>
<th>AccuMax</th>
<th>AccuMax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-Point</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Standard</td>
</tr>
<tr>
<td>Multi-Point</td>
<td></td>
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</tbody>
</table>

System Schematic and Rating Placards
Attractive placard designed for the operator’s panel, listing system ratings or system schematics.

Available for models:

<table>
<thead>
<tr>
<th>Series</th>
<th>1600</th>
<th>2000</th>
<th>3012</th>
<th>AccuMax</th>
<th>AccuMax</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
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</tbody>
</table>

Main Waterway Check Valve
Prevents backflow to fire pump. Electroless nickel-plated with S.S. components or all stainless steel construction, rated for 450psi with NPT thread size or Victaulic grooves for 1-1/2", 2", 2-1/2", 3" and 4". Includes tapped injection and drain ports.

Available for models:

<table>
<thead>
<tr>
<th>Series</th>
<th>1600</th>
<th>2000</th>
<th>3012</th>
<th>AccuMax</th>
<th>AccuMax</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

Low-Level Tank Sensor (Required)
Provides signal to display, notifying operator of low concentrate condition in foam cell. Available in top/bottom (shown above) or side mount.

Available for models:

<table>
<thead>
<tr>
<th>Series</th>
<th>1600</th>
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<th>3012</th>
<th>AccuMax</th>
<th>AccuMax</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
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</tr>
</tbody>
</table>

Flow Sensor and Tee (Required 2000, 3000 & AccuMax™ Series)
Paddlewheel flow sensor reads fire pump discharge flow without restricting performance. Thread sizes (NPT & BSP) available: 1-1/2", 2", 2-1/2", 3" and 4". Also machined for Victaulic coupling. An insertion paddlewheel flow sensor is available for pipe sizes larger than 4". Magnetic flow sensors are available upon request.

Available for models:

<table>
<thead>
<tr>
<th>Series</th>
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<th>2000</th>
<th>3012</th>
<th>AccuMax</th>
<th>AccuMax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>X</td>
<td>X</td>
<td>X</td>
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</tr>
</tbody>
</table>

Manifold Assembly
All stainless steel manifold incorporating flow sensor, check valve, injection and drain ports. Victaulic connections in 1-1/2", 2", 2-1/2", 3" and 4" reduce installation time.

Available for models:

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<tr>
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<th>AccuMax</th>
<th>AccuMax</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

Select Accessories and Options

Concentrate Cell
Polypropylene concentrate tanks with one-way vented cap available in 8, 12, or 20 gallon capacities.

Available for models:

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<th>3012</th>
<th>AccuMax</th>
<th>AccuMax</th>
</tr>
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<tbody>
<tr>
<td>X</td>
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</tr>
</tbody>
</table>

AccuMax® Line Controller
For each controllable discharge, maximum of ten. Sized 1/2", 1", 1-1/4", 1-1/2" and 2". Includes foam control, driver, cable and LED digital display head. Low-flow option for small handlines.

Available for models:

<table>
<thead>
<tr>
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<th>2000</th>
<th>3012</th>
<th>AccuMax</th>
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</thead>
<tbody>
<tr>
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</tbody>
</table>

AccuMax® & 3012 Manual Override
Disengages automatic proportioning, allowing manual proportioning operation.

Available for models:

<table>
<thead>
<tr>
<th>Series</th>
<th>1600</th>
<th>2000</th>
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<th>AccuMax</th>
<th>AccuMax</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
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</tbody>
</table>

Off-Board Pickup Kit
Allows automatic on-demand selection of an on-board foam source or an off-board foam source. Provides automatic flushing when switching sources.

Available for models:

<table>
<thead>
<tr>
<th>Series</th>
<th>1600</th>
<th>2000</th>
<th>3012</th>
<th>AccuMax</th>
<th>AccuMax</th>
</tr>
</thead>
<tbody>
<tr>
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<td>X</td>
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</tr>
</tbody>
</table>

Remote Simulated Flow
Separately mounted switch provides location flexibility for 1600 series simulated flow switch.

Available for models:

<table>
<thead>
<tr>
<th>Series</th>
<th>1600</th>
<th>2000</th>
<th>3012</th>
<th>AccuMax</th>
<th>AccuMax</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
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</table>

*For 2002 model only.
Specifying a TurboFoam System

TurboFoam Standard Components / Options

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>TFC-4</td>
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<td>0</td>
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<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>TFC-435</td>
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<td>25</td>
<td>15</td>
<td>10</td>
<td>20</td>
<td>25</td>
<td>30</td>
<td>35</td>
<td>40</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>100</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Notes:
1. The flush line strainer and check valve are standard when the Manual ABF Selector or B Foam Program options are included.
2. The standard control module is factory set with the A foam program active.

<table>
<thead>
<tr>
<th>Model</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>TFC-4</td>
<td>TFC-435</td>
</tr>
</tbody>
</table>

Select a Model

| 1 for 100 | 3 for 300 | TFC-4 |
| 2 for 200 | 4 for 400 | TFC-435 |

Select a Pump Size

| 16 for 1.6 GPM | 50 for 5.0 GPM | TFC-435 |
| 25 for 2.6 GPM | 62 for 6.2 GPM | TFC-435 |
| 35 for 3.5 GPM | 65 for 6.5 GPM | TFC-435 |

Select a Power Supply & Unit of Measure

| 0 for 12 VDC & GPM | 2 for 24 VDC & GPM | TFC-435-00 |
| 1 for 12 VDC & LPM | 3 for 24 VDC & LPM | TFC-435-00 |

Select a Discharge Pipe Size

| 10 for 1.0" | 30 for 3.0" | TFC-435-025 |
| 15 for 1.5" | 35 for 3.5" | TFC-435-025 |
| 20 for 2.0" | 40 for 4.0" | TFC-435-025 |
| 25 for 2.5" | 50 for 5.0" | TFC-435-025 |

Select Options

<table>
<thead>
<tr>
<th>AB1 - Manual ABF</th>
<th>ER1 - Electric Flush Valve</th>
<th>FL1 - 1&quot; Foam Tank Check Valve</th>
<th>FM1 - Discharge Check Valve Assembly</th>
<th>FM2 - Discharge Check Valve Assembly w/Sensor Mount</th>
<th>FS2 - Tank Float Switch</th>
<th>RS0 - Remote ON/OFF Switch</th>
<th>AL1, PT1, SC1, SS1, ST1 - Flow Sensor Mount</th>
</tr>
</thead>
</table>

| TFC-435-025-FM2RS0 | TFC-3 - 6 - 9 - 12 |

Select Accessories and Options

<table>
<thead>
<tr>
<th>Electric ABF Selector</th>
<th>TFC-435-025-FM2RS0</th>
</tr>
</thead>
</table>

**Select Accessories and Options**

**Electric ABF Selector**

The electric ABF selector is standard on the TFC400 models. It allows the operator to select Class A foam, Class B foam, or flushing operations by rotating the ABF selector handle. The selector is installed between the foam tanks and the foam pump assembly intake and has an input for flush water. The electric model is made up of three electric valves mounted on a manifold that controls the flow of foam concentrate or flush water into the system. On each of the valve covers there is a dial indicator to show the valve position and an allen head screw that allows for manual adjustment of the valve position.

**TankVision or Tank Float Switch**

A TankVision sensor or tank float switch is required to be installed in the foam tank to provide the tank empty signal to the control module. The TankVision is connected to the control module on the datalink and provides tank volume data. If a tank float switch is installed, it is connected to the tank empty inputs on the control module.

**Remote ON/OFF Switch & Indicator**

The remote switch and indicator mirrors the control module ON/OFF button and LED on the control module.

**Discharge Check Valve Assembly**

a. Includes a water way check valve, check valve injector port, and a drain.

b. Includes a flow sensor mount, water way check valve, check valve injector port, and a drain.

**Information Placards**

These helpful international reference placards provide capacity specifications, plumbing schematics, and operator instructions.

**Plumbing Components**

- Strainer
- Check Valve
- Paddlewheel Discharge Flow Sensor
### Specifying an AutoFoam System

<table>
<thead>
<tr>
<th>Kit Numbers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSB015-XXX</td>
<td>0.5 to 15 GPM foam concentrate flow rate</td>
</tr>
<tr>
<td>FSB030-XXX</td>
<td>0.5 to 30 GPM foam concentrate flow rate</td>
</tr>
<tr>
<td>FSB060-XXX</td>
<td>1.5 to 60 GPM foam concentrate flow rate</td>
</tr>
<tr>
<td>FSB120-XXX</td>
<td>2.0 to 120 GPM foam concentrate flow rate</td>
</tr>
<tr>
<td>FSB240-XXX</td>
<td>10.0 to 240 GPM foam concentrate flow rate</td>
</tr>
</tbody>
</table>

**Standard Kit includes:** control module, proportioning valve assembly, eductor, discharge flow sensor with mount, and cables.

For a kit with multiple discharges: XXX = Number of Discharges (002 to 008). The mount type and pipe diameter must be specified for each discharge.

For a kit with a single discharge: XXX = Pipe Diameter. Available diameter varies with mount type.

### Select System Options

**Flow Rates Displayed in LPM.**

- Discharge flow sensor mount pipe diameters (in inches): 01.0, 01.5, 02.0, 02.5, 03.0, 03.5, 04.0, 05.0, 06.0, 08.0
- Discharge Flow SensorMounts

<table>
<thead>
<tr>
<th>Kit Numbers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-SC1</td>
<td>Saddle Clamp</td>
</tr>
<tr>
<td>-ST1</td>
<td>Weldment, Steel</td>
</tr>
<tr>
<td>-SS1</td>
<td>Weldment, Stainless</td>
</tr>
<tr>
<td>-AL1</td>
<td>Weldment, Aluminum</td>
</tr>
<tr>
<td>-PT1</td>
<td>Pipe Tee</td>
</tr>
</tbody>
</table>

To order a sensor mount with a flow conditioner, change the 1 to a 2. Example: -SC2 Saddle Clamp with flow conditioner.

**Custom Spacers:** Available, contact factory.