

## Foam Major Series 2 - Large Capacity Foam Proportioning Systems



The FOAM MAJOR range of foam metering systems are designed to provide accurate Class B foam proportioning for large flow rates and over a wide range of flows. The FOAM MAJOR systems are based on around the pump proportioners and are fully automated foam proportioning systems.

### System Overview

The FOAM MAJOR Systems are fully automated foam metering systems based on around the pump proportioners. The systems consist of one or more flow meters, an around the pump proportioner, the control unit foam concentrate flow meter and automatic metering valve.

The control unit features a graphical backlit LCD display with large easy to read characters. The foam proportioning rate and water flow rate are continuously displayed when in operation. The proportioning rate is easily set using the + and – keys.

**ORION FIRE ENGINEERING PTY LIMITED**

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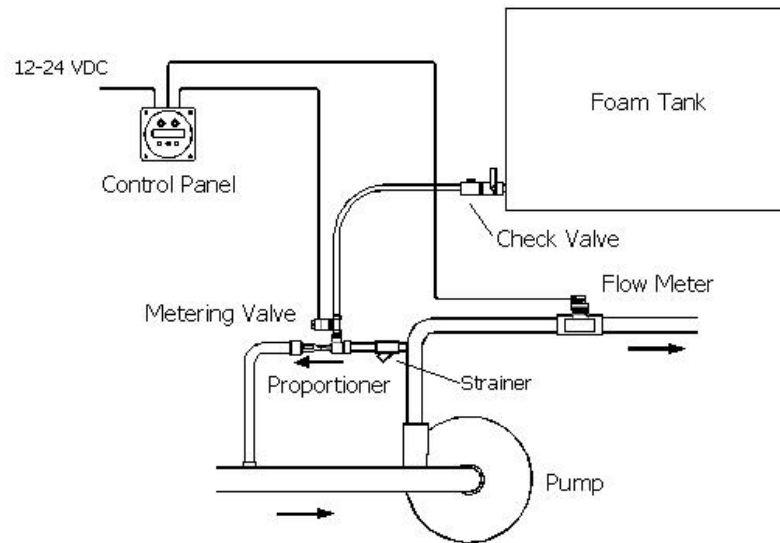
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The control unit uses the proportioning setting and the flow reading to calculate the required foam concentrate flow rate and then adjusts the automatic metering valve to give this flow. The metering rate is selectable in the range from 0.1% to 10% in 0.1% steps.

The Series 2 Foam Major incorporates a foam concentrate flow meter so that the unit can be used with any foam concentrate without the need for recalibration.



## Features

### Easy to Use

The Foam Major is the simplest foam metering system to set up and use available. Installation is simple, set up is made easy by the multi-line text display and the user only needs to change the metering setting.

A convenient standby switch lets the user turn foam on and off as needed without losing the current settings.

An over-range warning is given if the foam concentrate demanded exceeds the foam metering valve capacity.

User programmable options:-

- Flow units
- Foam Concentrate Type
- Flow Meter Sizes
- Flow Meter Calibration

### Reliable

Foam Major systems owe their reliability to their simplicity. There are very few moving parts and little that can go wrong.

Foam Major systems cannot be damaged if you run out of foam.

### Versatile

Foam Major systems offer what no other automatic metering system can offer for the same price:-

- Class A capability
- Class B Foam capability
- Alcohol Type AFFF capability
- Can integrate with most types of flow meters including paddlewheel and magflow.

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## Specification:

Operating Voltage	24 volts DC
Power Requirements	36 watts
Operating Pressure Range	700 kPa to 1,500 kPa

Model	AFFF/Class A Capacity	ARAFFA Capacity
Model 25	65 lpm	60 lpm
Model 32	180 lpm	160 lpm
Model 40	270 lpm	240 lpm
Model 50	430 lpm	380 lpm

Please note: The flow characteristics of high viscosity foams make it essential that the foam tank connection be very short

The FOAM MAJOR systems include:-

- around the pump proportioner,
- automatic metering valve
- Control unit and cables,
- Flow meters (40 & 50mm Tees, 50-200mm insertion type, specify when ordering).



Optional Analogue flow display  
or pressure display. CAN enabled



Control unit connections are made  
via 2 x 12 pin Deutsch connectors  
on the rear of the panel

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