In-line foam injector with metering valve and hose



The in-line foam injector with a metering valve is designed to incorporate a foam concentrator into a fire line to produce a foam solution that is immediately ready for use during an emergency response. It is used on a **DN40** line **and** must be paired with a handheld nozzle or a foam tube compatible with the injector's flow rate.

This version comes with a **suction hose**. This Venturi device allows the foam concentrate to be drawn in and the concentration adjusted to suit the application.

Adjustable dosage depending on the foam concentrate and the operation

The **dosing valve** allows you to select the percentage based on the type of foam concentrate used and the desired application. The available settings are: **OFF, 0.2%, 0.5%, 0.7%, 1%, 2%, and 3%.**

This adjustment range allows the foam concentrate injection to be adapted to various scenarios: additive application, foam production, industrial risk response, agricultural use, or use with foam concentrates requiring specific concentrations.

Installation at the pump or at the end of the line

The injector can be mounted **at the pump** or at **the end of the line**. When the injector is installed at the pump, the maximum recommended downstream hose length is approximately **45 m (150 ft)**.

To maintain consistent foam production, the injector must be paired with a foam handheld nozzle r or foam head with the same flow rate. The selection of flow rate, injection ratio, foam concentrate, and downstream hose length must be verified before use.

Technical Specifications

Product Type	In-line foam injector / proportioner
Composition	Foam injector with check valve, metering valve, and suction hose system for a 5-gallon container
Compatible line	DN40 (1½")
Available Models	115 L/min Kit and 190 L/min Kit
Percentage settings	OFF, 0.2%, 0.5%, 0.7%, 1%, 2%, and 3%
Available flow rates	Approximately 60, 115, or 190 L/min depending on the version (15, 30, or 50 GPM)
Installation	At the pump, at the facility, or at the end of the line
Maximum downstream length when mounted on the pump	45 m (150 ft)
Related equipment	Handheld nozzle or a foam tube with the same flow rate

Application

- production of foaming solution on a fire line;
- suction of foam concentrate from a 5-gallon container;
- application of foam with adjustable flow rate;
- operations requiring multiple concentration levels;
- installation at the pump or at the end of the line;
- use with handheld nozzle or a foam nozzle compatible with the injector's flow rate;
- Farmers.

FAQ – In-line foam injector with check valve and shut-off valve

What does this version of the foam injector include?

This version includes**the foam injector**, the **check valve and shut-off valve, and** the **suction system for a 5-gallon container**.

What is the dosing valve used for?

The variable valve allows you to adjust the foam concentrate injection rate as needed. The available settings are **OFF, 0.2%, 0.5%, 0.7%, 1%, 2%, and 3%.**

How do I choose the injector flow rate?

The flow rate must match that of the foam handheld nozzle r or foam head being used. The corresponding manufacturer models are available in **15, 30, or 50 GPM**, which is approximately **60, 115, or 190 L/min**. This product is available as **a 115 L/min kit** and **a 200 L/min kit**.

Can the injector be installed directly on the pump?

Yes. The injector can be mounted on the pump or at the end of the line. When mounted on the pump, the length

of the downstream hose must not exceed **45 m**.