

## FOMAX 7 Portable High-Expansion Foam Generator

### Description

FOMAX 7 is a portable high-expansion foam generator that is powered by a water turbine. It requires a supply of synthetic foam agent and a minimum pressurized water supply of 4 bar. This produces large volumes of high-expansion foam that can expand one thousand times or more to achieve rapid suppression with minimal water damage.

The unit is practically designed for ease of use and stowage. The unit's design includes damage protected recessed controls and solid rubber, rot proof feet. The FOMAX 7 foam generator is ideally suitable for total flood applications such as warehouses, ship holds, engine rooms, machinery spaces, electric cable ducting, chemical processing and refining plants, and mines. It is also effective for specialist applications such as blanketing LNG spill fires, controlling vapor release from toxic or flammable liquid spills, and the inerting of tanks.

The FOMAX 7 SE (smoke extraction) version is a portable smoke extraction unit powered by the water turbine. It is suitable for smoke extraction in hazardous areas that require an intrinsically safe operation.

### Operation

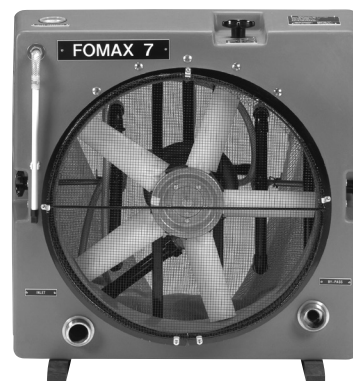
To operate the FOMAX 7 foam generator, connect the supply hose to the water inlet and insert the foam pick-up tube into a foam agent container. By-pass water leads to a waste area through a hose that connects to the outlet coupling. The water by-pass system allows performance to be maintained when working with high back pressures. The unit is capable of ducting foam to a minimum height of 15 m or equivalent back pressures. By controlling the inlet pressure and the by-pass, the foam properties can be varied to suit a range of operational circumstances.

A 30 m roll of polythene tube is supplied with the unit to direct the foam to the seat of the fire. Attaching the tube to the FOMAX 7 unit is a fast and basic operation.

The smoke extractor version is supplied with a 7.5 m length of expandable smoke extraction trunking with a quick release strap for a simple connection. The wheeled version is designed so that it can be transported by one person. For complete unit stability, the wheels lock back off the ground when in use.

### Features

- Variable expansion
- Output up to 198 m<sup>3</sup>
- Built-in by-pass system
- Built-in foam aspiration device with pick-up tube
- Compact unit with recessed controls and handles
- Smoke extractor options
- Easily portable with a wheeled model available
- Intrinsically safe operation for hazardous area use



### Ordering Information

Part No.	Description
105402207	FOMAX 7 Standard Hi-Ex Foam Generator complete with foam making net and 30 m of polythene foam ducting. 2 in. BSP male connection
105402214	FOMAX 7 Standard Hi-Ex Foam Generator complete with foam making net and 30 m of polythene foam ducting. 2 1/2 in. BSS336 instantaneous couplings in LA
105402305	FOMAX 7 Hi-Ex Foam Generator and Smoke Extractor complete with foam making net and 30 m of polythene foam ducting and 7.5 m smoke trunking. 2 in. BSP connection
105402312	FOMAX 7 Hi-Ex Foam Generator and Smoke Extractor complete with foam making net and 30 m of polythene foam ducting and 7.5 m smoke trunking. 2 1/2 in. BSS336 instantaneous couplings in LA
105402221	FOMAX 7 wheel assembly (additional cost)



FOMAX 7 foam generator



FOMAX 7 smoke extractor model

## Dimensions and Weight

Description	Width	Height	Depth	Weight	Construction
	mm	mm	mm	kg	
<b>FOMAX 7 Hi-Ex Generator Standard</b>	870	880	470	47.5	High impact durable polyethylene casing. Corrosion resistant pipework and fittings and a maintenance free turbine.
<b>FOMAX 7 Hi-Ex Generator Smoke Extraction Version</b>	870	880	470	49.5	

## Typical Performance Figures

By-pass control	Pressure	Flow at nozzle	Foam production	Foam expansion
	bar	Lpm	m <sup>3</sup>	
Open	4.0	129	119	878:1
Open	7.0	167	167	964:1
Open	9.0	192	198	994:1
Closed	4.0	179	85	460:1
Closed	7.0	234	126	525:1
Closed	9.0	267	135	493:1
<b>Notes:</b>	This dual purpose model can be used to extract smoke at the rate of 285 cmm at 7 bar.			
	Performance may be subject to slight variations with changes in temperature.			
	The FOMAX 7 foam generator consumes METEOR T-10 3% foam concentrate at a rate of approximately 6.5 Lpm.			

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