

foam generation - fomax 7

Fomax 7 Hi-Ex Foam generator

Fomax 7 is powered by a water turbine. All that is required for operation is a supply of synthetic foam compound, such as Towalex MB or Plurex high expansion foams, and a pressurised water supply (4 bar minimum). This enables large volumes of high expansion foam to be produced - expanded 1000 times or more to achieve rapid extinguishing with minimal water damage.

With its damage protected recessed controls and solid rubber, rot-proof feet, the unit is ruggedly yet practically designed for ease of use and stowage.

Fomax 7 is ideally suited for all total flood applications such as warehouses, ship holds, engine rooms, machinery spaces, electric cable ducting, chemical processing and refining plants and mines. Also effective for specialist applications such as blanketing LNG spill fires, controlling vapour release from toxic or flammable liquid spills and the inerting of tanks.

The Fomax 7 SE version is a portable smoke extraction unit powered by the water turbine and is suitable for smoke extraction in hazardous areas that need an intrinsically safe operation. Macron also offer fixed high expansion units for permanent installation and also the HotFoam units where inside air is an acceptable alternative to outside air for the generation of high expansion foam.



Fomax 7 Foam Generator



Fomax 7 as smoke extractor (smoke extractor model)

Product Features

- Variable expansion
- Output up to 204m³/min
- Built-in by-pass system
- Compact unit with recessed controls
- Smoke extractor options
- Easily portable (wheeled model also available)
- Built-in handles
- Intrinsically safe operation for hazardous area use



Macron Codes

- Standard Unit 22324 (BSP Connection)
- Smoke Extraction Unit 22547 (BSP Connection)

Technical Data

Construction	High impact durable polyethylene casing, corrosion resistant pipework, fittings and maintenance free turbine
By-pass system	Water by-pass system fitted allowing performance to be maintained when working with high back pressures. Unit is capable of ducting foam to minimum height of 15 metres or into equivalent back pressures. By controlling the inlet pressure and the by-pass, the foam properties can be varied to suit operational circumstances.
Operation	Simply connect the supply hose to the water inlet and insert the foam pick-up tube in a foam compound container. By-pass water is led to waste through a hose length connected to the outlet coupling.
Expanding ducting	A 30m roll of polythene tube is supplied with the unit allowing foam to be easily directed to the seat of the fire. Attachment to the Fomax Unit is a fast simple operation.
Smoke extractor version	This dual purpose model can be used to extract smoke at the rate of 285m ³ /min at 7 bar. A 7.5m length of expandable smoke extraction trunking is supplied with the unit for simple connection with a quick release strap.
Wheeled version	This version allows for easy one man transportation. Two wheels are permanently fixed to one end of the body and a handle on the other. The wheels lock back off the ground when in use for complete unit stability.
Dimensions & Weight	Smaller and lighter than similar equivalent units: Width: 870mm Height: 880mm Depth: 470mm Shipping carton: 970 x 1000 x 600mm Standard Fomax: 47.5kg unit only (70kg including transport crate) Smoke Extraction version: 49.5 unit only (92.5kg including transport crate)

Typical Performance Figures

By-Pass Control	Water pressure	Total water flow (lpm)	By-pass flow (lpm)	Flow to nozzles (lpm)	Foam production (m ³ /min)	Foam expansion
Open	4	170	50	120	96	800
	7	225	80	145	159	1100
	10	270	100	170	204	1200
Closed	4	150	nil	150	82	550
	7	200	nil	200	140	700
	10	240	nil	240	192	800

Performance may be subject to slight variation with changes in temperature