

EXCEL

HIGH EXPANSION FOAM GENERATOR



- Water Turbine Powered
- High Output
- By-Pass System
- Built In Foam Induction
- Smoke Extraction Option
- Lightweight and Portable
- Fixed Version Available



Excel Complete with Net

GENERAL DESCRIPTION

The Excel is a lightweight High Expansion Foam Generator powered by a water turbine and capable of producing very large volumes of High Expansion Foam with the minimum of operational difficulty. The Excel has its own built in foam induction system and thus only requires a pressurised water supply and synthetic foam concentrate supply to operate.

An additional feature is a water by-pass system which permits control of the expansion rate allowing performance to be maintained at high back pressures. The Excel is capable of ducting foam to heights in excess of 15 meters.

CONSTRUCTION

Manufactured with an International Orange glass reinforced fibre case, corrosion resistant pipework and fittings with an LG2 gunmetal maintenance free turbine and all nylon foam net. Each unit is supplied with 30m of expendable polythene for ducting foam.

OPTIONS

Smoke Extraction Unit	Dual purpose version identical to the standard unit but with the added capability of extraction of smoke at 285M ³ /min. A 7.5 metre length of smoke extraction ducting is supplied with this unit.
Fixed Unit	With either stainless steel or carbon steel, polyester powder coated, net.
Wheeled Version	Both the standard and smoke extraction units can be supplied as wheeled versions enabling easy one man transportation. Two wheels are permanently fixed to one end of the body with a handle at the other. These wheels lock off the ground during use for complete stability.

APPLICATIONS

The Excel is designed for all High Expansion total flood applications such as found in warehouses, ships holds, cable ducting, machinery spaces etc. Water damage is minimised through expanding foam between five hundred and one thousand times with air, producing effective and rapid extinction. Increasing concern for the environment has resulted in the fixed version replacing Halon Gas in certain specialist installations including computer suites and electronic data producing areas. The Excel is powered by a water driven turbine making it ideal for use in hazardous areas such as found in chemical process plants and mines. Many specialised applications also exist such as the vapour suppression of hazardous materials spills, blanketing LNG spill fires, and tank inerting.

By-Pass Control	Water Pressure Bars	Total Water L/Min	By-Pass Flow L/Min	Flow to Nozzles L/Min	Foam Prodn. m ³ Min	Foam Expansion
Open	4	205	60	145	100	750
	7	285	90	195	156	to
	10	330	105	225	220	1200
Closed	4	190	nil	190	85	450
	7	260	nil	260	145	to
	10	310	nil	310	200	850

Note: Pressures are measured at the water inlet. Performance may vary according to ambient temperature and foam concentrate used.