

**DELTA
FIRE**



EXCEL HI-EXPANSION FOAM GENERATOR

WATER TURBINE POWERED

KEY USERS

- Major Industrials
- Marine
- Petrochemicals
- Waste Recycling
- Oil & Gas
- Mining
- Chemical Facilities
- Aviation
- Nuclear

KEY FACTS

- Manufactured in the UK
- ISO9001 Quality Controlled
- High Foam Output
- Water Turbine Powered
- Smoke Extraction Options
- Stable Foam production
- Pressure Gauge
- By-Pass System
- Lightweight & Portable
- All International Inlets



**Also Available in Hi-Viz
Yellow**

Doc Ref: DDS040

DELTA FIRE

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GENERAL DESCRIPTION

The Delta **Excel High Expansion Foam Generator** is powered by a water turbine and capable of producing very large volumes of hi-ex foam very quickly and extremely efficiently.

The Excel has its own built in foam induction system and simply requires a pressurized water supply and synthetic foam concentrate to operate. An additional feature is the 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 a height of 15 metres.

Manufactured in the UK, the Excel is available with either Hi-Viz Yellow or International Orange glass fibre reinforced case, corrosion resistant pipework, gunmetal turbine and nylon foam net. Each unit is supplied with 30m of expandable polythene for effective foam ducting. A dual purpose model is available with the additional capability of extracting smoke at 285m³/minute via a 7.5 metre length of smoke extraction ducting. Optional carbon steel or stainless steel polyester powder-coated nets are available.

The Excel is available with a wide choice of inlet fittings for compatibility to existing hose lines.



Designed and Manufactured by Delta Fire in the UK the Excel range is built under an ISO9001 Quality Management Standard from top quality materials and rigorously tested prior to dispatch.



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THE RANGE

The Excel is designed for all High Expansion total flood applications and particularly suited for use in warehouses, hangars, ship's holds, cable ducting, machinery spaces, waste recycling sites etc.

Water damage is minimised through expanding the foam between 500 and 1000 times with air, producing effective and rapid extinction. The Excel is powered by a water driven turbine making it ideal for use in hazardous areas such as chemical process plants and mines. Many specialist applications such as the suppression of hazardous materials/vapours, blanketing LNG spill fires and tank inerting are also perfectly suited to the Excel.

Product Code	Model	Inlet	Total Water L/Min	By-Pass Flow L/Min	Flow to Nozzle L/Min	Foam Production m ³ /Min	Foam Expansion
FEP341000	Excel	2" BSP Male	Bypass Open 285 Bypass Shut 260	Bypass Open 90 Bypass Shut Nil	Bypass Open 195 Bypass Shut 260	Bypass Open 156 Bypass Shut 145	750 – 1200 450 - 850
FEP351000	Excel SE (Smoke Extraction)	2" BSP Male	Bypass Open 285 Bypass Shut 260	Bypass Open 90 Bypass Shut Nil	Bypass Open 195 Bypass Shut 260	Bypass Open 156 Bypass Shut 145	750 – 1200 450 - 850

SPECIFICATION

Construction	
Height	900mm
Width	900mm
Depth	450mm
Weight	46kg
Body	GRP
Pipework	Corrosion Resistant
Turbine	Gunmetal
Inlet	2" BSP Male (Alternative Inlets Available)
Net	Nylon
Fixed Unit	Stainless Steel, Carbon Steel or Polyester Powder-Coated Net
Wheeled Unit	Both Models Available with Lockable Wheels for ease of Maneuverability
Smoke Extraction	Excel is available with 7.5m length of red reinforced Smoke Ducting
Polythene Foam Ducting	30m of clear Polythene Ducting



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