

**DELTA
FIRE**



MINI EXCEL HI-EXPANSION FOAM GENERATOR

STANDARD & SELF-INDUCING OPTIONS

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
- Bronze Pelton Wheel Drive
- Smoke Extraction Options
- Optional Self-Inducing Model
- Easy On-Man Operation
- Lightweight & Portable
- All International Inlets



High Output Foam Performance

Doc Ref: DDS041

DELTA FIRE

Broadland Business Park, Norwich, Norfolk, UK, NR7 0FE

T: +44(0)1603 735000 | E: sales@deltafire.co.uk | E: export@deltafire.co.uk
deltafire.co.uk

GENERAL DESCRIPTION

The **Mini Excel High Expansion Foam Generator** is an extremely lightweight, one-man portable generator that is available in a choice of either Standard models, designed for use in conjunction with In-Line Foam Inductors (such as the Delta Z225) or in a Self-Inducing format designed to induce foam direct from the drum. Both options simply require a pressurized water supply and synthetic foam concentrate to operate. Powered by a bronze pelton wheel, the Mini Excel is capable of producing very large volumes of hi-ex foam very quickly and extremely efficiently.

Manufactured in the UK, the Mini Excel is available with either Hi-Viz Yellow or International Orange glass fibre reinforced case, corrosion resistant pipework, gunmetal pelton wheel and nylon foam net (fixed nets also available). An optional 30m expandable polythene foam ducting is also available allowing the operator to duct foam onto the risk from a safe distance. A dual purpose model (SI/SE) is available with the additional capability of extracting smoke via a 6 metre length of red smoke extraction ducting. Optional stainless steel Mini Excels, suited to harsh environments, are included within the range.

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

THE RANGE

Product Code	Model	Inlet	Body Material	Water Flow L/Min	Foam Usage L/Min	%	Foam Expansion	Foam Production m ³ /Min
FEP311026	Mini Excel	1½" BSP Male	GRP	5 bar-225 6 bar-247 7 bar-265	5 bar-4.5 6 bar-4.9 7 bar-5.3	2	5 bar-400 6 bar-425 7 bar-450	5 bar-90 6 bar-105 7 bar-119
FEP321026	Mini Excel SI (Self-Inducing)	1½" BSP Male	GRP	5 bar-225 6 bar-247 7 bar-265	5 bar-4.5 6 bar-4.9 7 bar-5.3	2	5 bar-400 6 bar-425 7 bar-450	5 bar-90 6 bar-105 7 bar-119
FEP381026	Mini Excel SE (Smoke Extraction)	1½" BSP Male	GRP	5 bar-225 6 bar-247 7 bar-265	5 bar-4.5 6 bar-4.9 7 bar-5.3	2	5 bar-400 6 bar-425 7 bar-450	5 bar-90 6 bar-105 7 bar-119
FEP331026	Mini Excel SI/SE	1½" BSP Male	GRP	5 bar-225 6 bar-247 7 bar-265	5 bar-4.5 6 bar-4.9 7 bar-5.3	2	5 bar-400 6 bar-425 7 bar-450	5 bar-90 6 bar-105 7 bar-119
FEP361000	Mini Excel SI (Self-Inducing)	1½" BSP Male	Stainless Steel	5 bar-225 6 bar-247 7 bar-265	5 bar-4.5 6 bar-4.9 7 bar-5.3	2	5 bar-400 6 bar-425 7 bar-450	5 bar-90 6 bar-105 7 bar-119
FEP371026	Mini Excel SI/SE	½" BSP Male	Stainless Steel	5 bar-225 6 bar-247 7 bar-265	5 bar-4.5 6 bar-4.9 7 bar-5.3	2	5 bar-400 6 bar-425 7 bar-450	5 bar-90 6 bar-105 7 bar-119
XFDME1019	30 metre Clear Polythene Ducting							



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APPLICATIONS

The Mini 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 400 and 450 times with air, producing effective and rapid extinction. The Mini Excel is powered by a gunmetal pelton wheel 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 Mini Excel.

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

SPECIFICATION

Construction	
Length	350mm
Width	500mm
Height	650mm
Weight	15kg
Body	GRP or Stainless Steel
Pipework	Copper & Bronze
Pelton Wheel	Gunmetal
Inlet	1½" BSP Male (Alternative Inlets Available)
Standard Model	Requires a Z225 In-Line Inductor
Self-Inducing Model	Complete with built-in Foam Inductor and Foam Pick-Up Tube
Stainless Steel Model	For Harsh Environments
Smoke Extraction	Mini Excel is available with 6m length of red reinforced Smoke Ducting
Polythene Foam Ducting	30m of clear Polythene Ducting (Optional Extra)



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