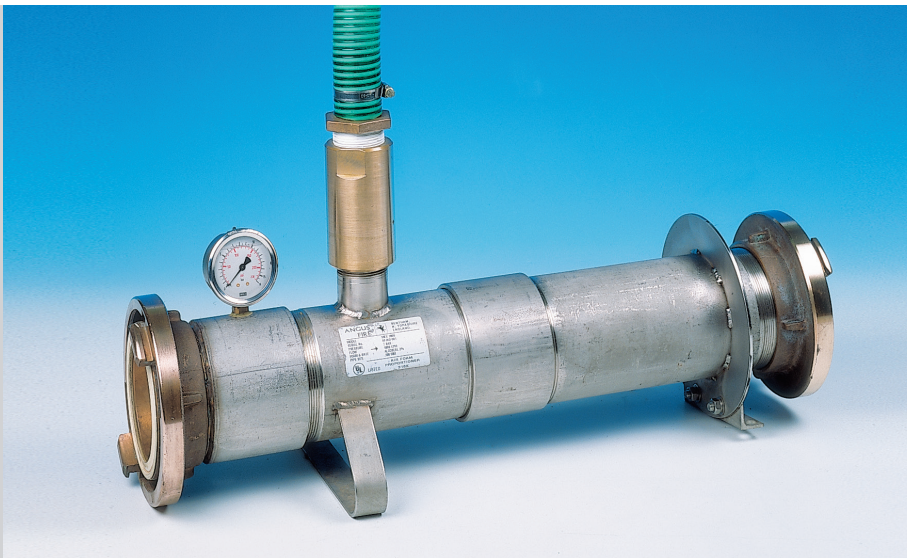
MEX Foam Inductors

Designed for use with Angus range of Medium Expansion (MEX) Bund Pourers

- Quick, effective and reliable response to semi-fixed applications
- Choice of sizes
- Choice of flows



Angus MEX foam inductors are constant flow devices, designed for use with its matched Angus Fire Medium Expansion (MEX) Bund Pourer for quick response to semi-fixed applications.

This MEX inductor range comprises 3 sizes, with flows of 600, 1,200 and 1,800 litres/minute. Each is specifically designed to match the output of the Angus MEX Bund Pourers, facilitating quick and easy set-up during fire emergencies.

Designed for easy, effective use

These MEX inductors operate at an inlet pressure of 7 bar.g. (100 psi), simplifying use with fire vehicles and optimising foam quality from MEX Bund Pourers. MEX Bund Pourers can be operated up to 50 metres (max.) of Duraline fire hose (minimised friction losses), and no more than 3 metres vertically above the MEX Inductor, to avoid potential back pressure problems, while ensuring reliable operation, producing generous quantities of fluid yet cohesive, stable fast flowing MEX foam to cover large areas quickly, burying any leaking valves or flanges beneath the foam blanket.

This combination is ideal for large area firefighting or hazardous vapour control (eg. Bunded/process areas).

Reliable operation ensured

For simplicity of use, hydraulic efficiency and speed of deployment, each unit utilizes a different line size. Inductor bodies are 316 stainless steel with polyester internals and gunmetal couplings, for optimum corrosion resistance and reliability, since regular seawater use is anticipated.

Each MEX inductor is also fitted with a non-return valve and 3m pick-up tube, to allow use with 200 litre foam drums. This avoids the potential risk of water diluting the foam supply, which can be caused by high back pressures occurring due to poor hose configurations, particularly when operating up steep slopes, or mismatching of equipment.

Connections

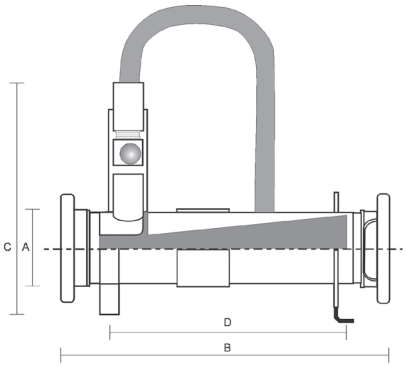
Whilst 2½" British Instantaneous couplings (BS 336) are supplied on the MEX 600 inductor, the two larger units are fitted with 75mm and 110 mm Storz connections. Alternative BSP male threaded connections are available so other suitable adaptors may be selected from the "Armourite" range.

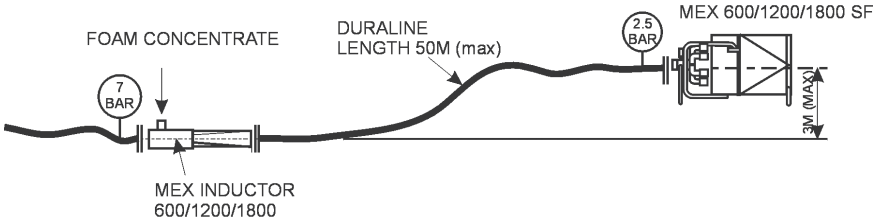
Accurate proportioning

Assured by minimising, the suction lift and maintaining water supply hoses no less than the MEX iInductor diameter. Accurate calibration of each MEX inductor for the foam type being used also ensure accuracy and relaibility. To ensure correct calibration, the following parameters must be defined when ordering:

i Foam concentrate type being used (fluorinated or fluorine free foams suitable).

ii Specific concentrate induction rate required (between 1% and 6%).





TYPICAL SCHEMATIC LAYOUT

MEX Foam Inductors

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Specification				
MEX INDUCTOR		MEX 600i	MEX 1200i	MEX 1800i
Flow Rate (litres/min)		600	1200	1800
Nominal Pick-up Tube diameter (mm)		25	40	40
MEX Bund Pourer		MEX 600/600SF	MEX 1200/1200SF	MEX 1800/1800SF
Recommended hose and size (mm)		65mm Duraline	75mm Duraline	100mm Duraline
Maximum hose length (metres)		50	50	50
Connections*	MEX inductor inlet	2½" Inst. male GM	75mm Storz GM	110mm Storz GM
	MEX inductor outlet	2½" female GM	75mm Storz GM	110mm Storz GM
Coupling* req. for MEX Bund Pourer inlet		2½" Inst. male GM	75mm Storz GM	110mm Storz GM

* Other connections available upon request.

Dimensions (nominal)				
MEX INDUCTOR		MEX 600i	MEX 1200i	MEX 1800i
Line Size (mm)	A	65	75	100
	B	484	476	582
	C	280	330	370
	D	260 centres	300 centres	400 centres
Approximate Weight		5 Kg	12 Kg	20 Kg

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