

MEX Bund Pourers

Angus Medium Expansion (MEX) Bund Pourers are designed for fire protection systems and vapour suppression on banded or diked areas surrounding flammable liquid or toxic chemical storage tanks. They are also suited for other applications requiring large volumes of free flowing foam eg. process areas, warehousing and storage protection.

Storage Tank bund or dike fires, because of their large surface area, are notoriously difficult to control and extinguish. Spillages in these banded areas are common and have caused several major tank fires.

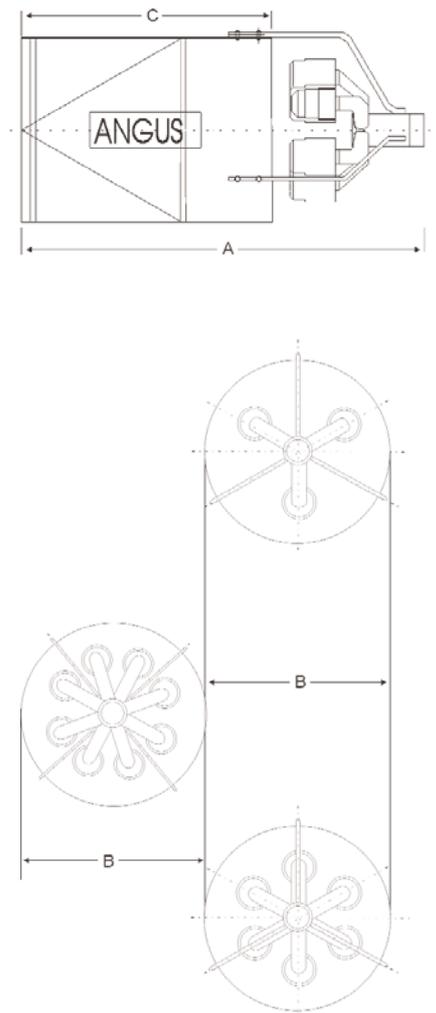
Significant quantities of unignited fuel can spread rapidly from leaking valves, flanges, cracked pipes, overflow relief systems, boil-overs and even routine maintenance, within the banded area, threatening personnel and plant safety. Serious incident escalation results from ignition of these flammable vapours.

The most efficient and cost effective way of controlling these risks is with a permanently installed Medium Expansion Bund Purer system. The high performance Angus MEX Bund Purer range has been specifically designed to effectively extinguish fires and control vapours in such high risk areas.

The Angus range comprises three lightweight, compact and robust units. Foam solution flows range from 465-1970 litres per minute at inlet pressures of 1.5 to 3 bar g. Operation at such low pressure minimises pumping capacities and water requirements, ensuring a cost effective system.

These units are particularly effective when used with Angus fluoroprotein and film forming fluoroprotein foam concentrates (eg FP70 and Alcoséal). Expansion ratios are typically around 25-35:1 with a quality fluoroprotein foam at approx. 2.5 bar g. inlet pressure.

Each unit produces a large volume of free flowing stable MEX foam, providing rapid coverage of the banded area. Such gentle foam application minimises contamination of the foam by the fuel. The cohesive nature of FP/FFFP foams also minimises the effects of wind.



Nozzle Quantity		3	6	9
Dimensions	A (mm)	589	905	920
	B (mm)	300	420	520
	C (mm)	381	564	648
Inlet Connection		2" BSP Taper	2 1/2" BSP Taper	3" BSP Taper
Materials	Pipework Spider	Carbon Steel - Yellow Thermoplastic Powder Paint Finish		
	Nozzles	Brass/Gunmetal Natural Finish		
	Pourer Tube	Stainless Steel to BS970 316S31		
	Internals	Stainless Steel to BS970 316S31		
	Screws, Nuts, Washers	Stainless Steel A2		
Approximate Weight		8.5 Kg	16 Kg	24.5 Kg

PERFORMANCE DATA (Typical)

	MEX 600	MEX 1200	MEX 1800
K Factor*	380	759	1138
Operating Pressure Range	1.5 - 3 bar.g.		
Optimum Flow Rate @ 2.5 bar.g. Inlet Pressure	600 litres/min	1200 litres/min	1800 litres/min
Typical Expansion Ratio (using FP70 @ 3%)	25 - 35:1		
Typical Foam Output @ 2.5 bar.g. (using FP70 @ 3%)	24 m ³ /min	48 m ³ /min	72 m ³ /min

* Flow (litre/min) = $K\sqrt{P}$ where P = pressure in bar.g.