ANGUS FIRE

www.angusfire.co.uk

Titan Monitor

The need for a high performance low expansion monitor system for fighting fires in large diameter storage tanks has become a necessity for all Fire Department personnel who may be faced with such a risk.

The Angus Titan system has addressed the problem by maximising the energy input into the monitor whilst matching the output of standard Fire Brigade Pumps, giving unrivalled performance. The throw is defined in terms of height and distance. In simple terms the Titan will put foam onto the top of a tank 20m high from a distance of 30m.

The Titan has been designed for optimum performance with fluoroprotein based foams (such as FP70 and Petroseal). Induction takes place remotely by means of a 15m long pick-up tube on the standard unit. This facility offers the added benefit of locating a foam dam centrally which can feed a number of monitors from the same foam stock.

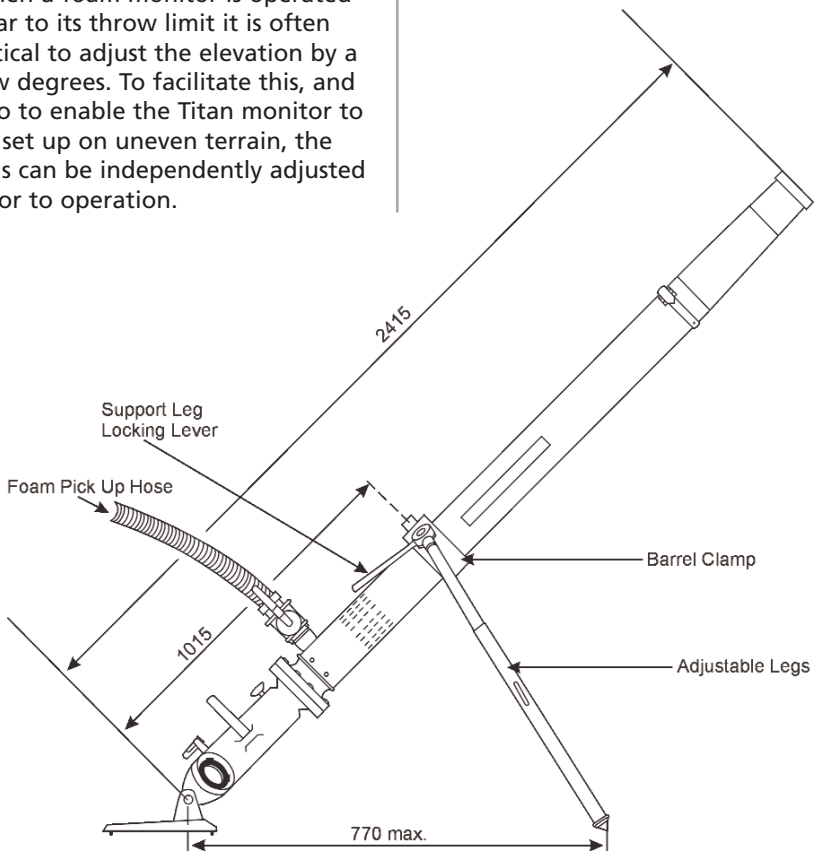
When used in conjunction with Angus Alcoseal it offers the multipurpose solution to extinguishing major hydrocarbon or polar solvent fuel storage fires. In order to take advantage of this flexibility, the Alcoseal version will be required with 3% and 6% induction control and seven metre pick up tube. Foam should be applied as gently as possible for optimum efficiency, especially on polar solvent fires.

Pressure losses are reduced to a minimum through the use of 4" supply hose and an internally profiled collecting head. The solution throughput is 4,500 litres/minute at 10 bar and the foam is expanded to 5:1. This low expansion gives maximum throw whilst ensuring a good quality foam blanket. A pressure gauge is provided to ensure maximum operating pressure are not exceeded.

When a foam monitor is operated near to its throw limit it is often critical to adjust the elevation by a few degrees. To facilitate this, and also to enable the Titan monitor to be set up on uneven terrain, the legs can be independently adjusted prior to operation.

The complete package comprises the standard Titan monitor, two lengths of 4" hose, 15m of induction hose and two collecting heads for conversion of 2½" hose to 4" hose.

Remote 3% induction from up to 100m away is achievable using a separate jet pump inductor.



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OPTIMUM PERFORMANCE

Input pressure - 10 bar.g.
Capable of delivering 95% of foam output onto the top of a 20 metre high tank from a range of 30 metres.

PERFORMANCE DATA (Typical)

'K' Factor*	Inlet Pressure (bar.g.)	Nominal Flow (litre/mm)	Horizontal Foam Range (metres)	Max. Vertical Foam Height (metres)	Range @ Max Height (metres)
			Elevation angle 37°	Elevation angle 55°	
1400	5	3100	36 - 45	15	25
	7	3700	42 - 56	17	27
	10	4500	47 - 62	21	30

Data obtained in light air conditions (2 m/sec following).

* Flow (litres/mm) = K√P where P = inlet pressure in bar.g.

SPECIFICATION

Maximum Inlet Pressure	12 bar.g.
Minimum Inlet Pressure	5 bar.g.
Foam Induction	Fixed at 3% or 6%
Foam Expansion Ratio	Typically 5:1
Monitor Body	Aluminium Alloy
Foam Barrel	316 Stainless Steel
Support Legs	Aluminium Alloy
Stowcase Straps	Leather
Finish	Barrel - Natural
	Aluminium parts - Yellow Thermoplastic Powder Coated
Approximate Weight	41 Kg

THAME PARK ROAD, THAME, OXFORDSHIRE, OX9 3RT, ENGLAND
Tel: +44 (0)1844 265000 Fax: +44 (0)1844 265156
e-mail: general.enquiries@kiddeuk.co.uk

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