



**ANGUS
FIRE**



HI-COMBAT Low Expansion Foam Branchpipes

Angus HI-COMBAT Series

- Cohesive and long throw performance
- Reliable, effective, good quality foam (10:1)
- Choice of flows



Angus HI-COMBAT low expansion foam branchpipes has been designed with long range performance in mind.

Three models deliver nominal foam solution flows of 225, 450 and 900 litres/mm at 7 bar (ie. F225HU, F450HU, and F900H).

Self-inducing models with detachable pick-up tube (provided) are available in the 225 and 450 litre/minute versions (ie. F225/SI, F450/SI).

All models deliver high quality foam of nominal expansion ratio 10:1 with cohesive foam streams of an exceptional range.

To achieve best results, we recommend using a suitable Angus fluorinated or fluorine-free foam concentrate for the specific hazard(s).

Two self-inducing (SI) models are fitted with a detachable quick connect foam inlet connection, plus foam concentrate pick-up tube and piercer.

Using an Inductor

These HI-COMBAT Foam Branchpipes specifically match the characteristics of Angus HI-COMBAT Portable Foam Inductors.

These are called Uniductors with easily adjustable concentration settings to cover the range of Angus foam concentrates (1%, 3%, 6%, 3%AR, 6%AR), so correct matching is essential to achieve optimum foam branchpipe performance.

Problem solving

If the flow rating of the branchpipe is greater than that of the inductor, throw from the branch pipe will be reduced, as the inductor is controlling the flow downstream.

If the flow rating of the branchpipe is less than that of the inductor, induction may cease, as the inductor is delivering more flow than the branchpipe can deliver so air mixing stops.

To simplify matching and avoid such confusion, Angus branchpipes and uniductors have easy colour coding:

- No colour band for F225HU/UNI 225 (plain yellow)
- Red colour band for F450HU/UNI450
- Blue colour band for F900H

Fittings

Angus HI-COMBAT Foam Branchpipes are normally supplied with either a 2½" British Instantaneous coupling to BS 336 in light alloy, or a 2" BSP (m) threaded connection.

Other adaptors may be selected from the "Armourite" range. (eg. Storz, NH etc).

An on-off ball valve may also be specified as an optional extra on the /HU models.

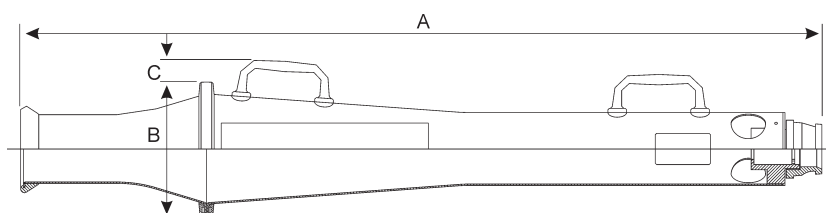
Lightweight is assured using robust light alloy construction with durable yellow thermoplastic powder paint finish. Protective synthetic rubber oil resistant rings are provided to minimize damage during regular use.

Approvals

Underwriters Laboratories Inc. UL162 listing:

F 225/HU
F450HU
F900

(NB: Specification removed as shown in Table on p2, integrated in text above)



N.B. Handles provided on F450/HU and F900/H models only.

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Performance Data				
Branchpipe Model	Pressure (Bar)	Flow (LPM)	Throw (m)	Matching Inductor (Excluding SI Models)
F.225/HU & SI	3.5	159	14	UNI225
	7.0	225	20	
	10	269	23	
F.450/HU & SI	3.5	320	15	UNI450
	7.0	450	21	
	10	535	23	
F.900/H	3.5	712	18	UNI900
	7.0	1010	24	
	10	1204	26	

Specification				
Model	F.225/HU	F.450/HU	F.900/H	
Approx. Weight	2 kg	2.5 kg	4.5 kg	
Dimensions				
Overall Length	A	800 mm	975 mm	1185 mm
Body Diameter	B	130 mm	145 mm	190 mm
Handle Height	C	Not applicable	38 mm	35 mm
Self-inducing models: Pick-up tube length - 1m				
Piercer length - 440 mm				

Colour Coded	
To avoid confusion, Angus HI-COMBAT Foam Branchpipes and Variable Foam Inductors are colour coded:	
UNI 225, F225/HU, MEX 225U and Angus Mini-Turbex	No colour band
UNI 450, F450/HU and MEX 450U	Red colour band
IND 900 and F900/H	Blue colour band

For further details on the Angus HI-COMBAT Variable Foam Inductor (Uniductor) range, see Data Sheet 3171.