



**ANGUS  
FIRE**

# Hi-Combat Medium Expansion (MEX) Foam Branchpipes

## MEX 225U & MEX 450U

- Tough, lightweight and compact units
- High volume provides vapour suppression and fire extinguishment
- Rapid foam cover, including over uneven surfaces
- MEX foam blanket buries flange or pipe leaks
- Suitable for use in fixed systems



Angus HI-COMBAT MEX Foam Branchpipes produce medium expansion foam (MEX) that proves effective across a wide range of applications involving both flammable liquids and solids.

They produce long throws of a coherent foam stream (40-55:1 expansion) at exceptionally low pressures (1.5 -3.5 bar g operating range). The high volumes of foam produced provide rapid coverage over large areas but with minimal water and foam concentrate usage. This makes them ideal for rapid foam cover in outdoor situations with uneven terrain, for unignited vapour suppression of toxic or flammable liquid vapours and rapid fire extinguishment. Fabricated in stainless steel the units are tough, lightweight and compact, fitting easily into fire appliance lockers.

They are also suitable for enclosed areas where total flooding with foam is possible. (eg. small bund/dike areas). Larger flowing MEX Foam Pourers are also available (see Data sheets 5109 and 5100).

### Matched With HI-COMBAT Uniductors

These MEX Branchpipes are matched to operate most effectively with Angus Foam Uniductors. The MEX 225U matches the Angus UNI-225 Inductor, while MEX 450U matches Angus UNI 450 Inductors. MEX 225U and MEX 450U deliver stable high performance MEX foam when used with the wide range of Angus foam concentrates (both fluorinated and fluorine-free).

Where foam destructive liquids may be involved Alcohol Resistant foam concentrates must be used.

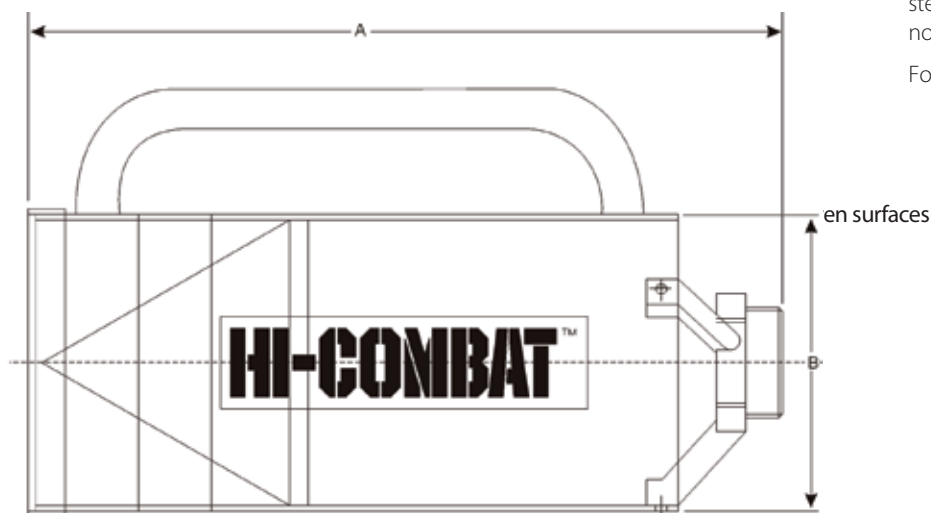
### Typical Applications

- Hydrocarbon liquid spill fires for example in road tanker or crashed vehicle fires, minimizing use of foam and water resources.
- Submersion of flammable liquid flange or pipework leaks in banded areas.
- Fires in foam destructive fuels using Alcohol Resistant foam concentrates.
- Total flooding applications such as cellars, cable ducts, engine rooms, storage rooms, small banded areas etc. where solid and liquid fuels may be involved.
- Control of vapour release from toxic or flammable liquid spills. Specialist advice available from Angus.

### Finish

Body and handle are brushed stainless steel 304, with chrome plated brass nozzle and light alloy coupling.

Foam making gauze is stainless steel.



# HI-COMBAT Medium Expansion (MEX) Foam Branchpipes

## MEX 225U & MEX 450U

| Specification:                             |                                     |                                     |
|--------------------------------------------|-------------------------------------|-------------------------------------|
|                                            | MEX 225U                            | MEX 450U                            |
| Weight (including instantaneous coupling): | 3.5 Kg                              | 5.1 Kg                              |
| Dimensions:                                |                                     |                                     |
| Overall Length: A                          | 410 mm                              | 540 mm                              |
| Body Diameter B                            | 164 mm                              | 216 mm                              |
| Standard Fitting:                          | (2½" in.) male instantaneous inlet. | (2½" in.) male instantaneous inlet. |
| Optional Fitting:                          | (2 in.) B.S.P. male inlet.          | (2 in.) B.S.P. male inlet.          |

| Performance                                                                                                                     |                       |                       |                      |                       |                   |                |              |                                                |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|----------------------|-----------------------|-------------------|----------------|--------------|------------------------------------------------|
| Typical Performance (using 3% Expandol)<br>Branch Type                                                                          | Working Pressure Min. | Working Pressure Max. | Branch Pressure Bars | Flow Rate Litres/Min. | Expansion approx. | Output M³/min. | Throw Metres | K Factor<br>K=Flow (L/Min.)<br>√Pressure (bar) |
| MEX 225U                                                                                                                        | 1.5                   | 3.5                   | 2.5                  | 135                   | 55:1              | 7.43           | 6            | 85                                             |
| MEX 450U                                                                                                                        | 1.5                   | 3.5                   | 2.5                  | 285                   | 55:1              | 15.6           | 8            | 180                                            |
| At recommended use concentrations, Angus foams will give typical expansions of 40:1 to 55:1 (depending on specific concentrate) |                       |                       |                      |                       |                   |                |              |                                                |

| Shipping Specification : One Carton |                          |                          |
|-------------------------------------|--------------------------|--------------------------|
|                                     | MEX 225U                 | MEX 450U                 |
| Gross Weight:                       | 5Kg                      | 6.5 Kg                   |
| Dimensions:                         | 210 mm x 450 mm x 585 mm | 280 mm x 460 mm x 700 mm |