

Considerations for a foam delivery from an inline inductor

- On flat ground you can extend a 41mm delivery over four lengths and a 45 mm delivery over seven lengths. Using 70 mm hose up to the nozzle length will significantly extend the delivery.
- Any head losses should be calculated at 10 kPa per metre.
- It is **very important** to match the flow of the nozzle to the inductor. For example, the TFT Quadracup aspiration nozzle matches the two inductors when the flow selector is set at 230 L/min for the UEM 225 and 470 L/min for the UEM 450.
- Inline inductors can be used for both Class A and Class B foams.
- Class B foam used by the NZFS is inducted at 3% for all normal flammable liquids and at 6% for polar solvents. The induction rates do not vary the 30% losses across the inductor. Delivery length calculations are the same as when used for Class A foam.
- Class B foam is best applied aspirated using a low or medium expansion attachment but the TFT Quadracup and Quadrafog nozzles are suitable for use.

Released under the Official Information Act