

Foam Proportioning System & Mobile Foam Trolley

CAPABILITY SHEET · THE MIX IS THE PRODUCT · MATCHED TO THE WATER SUPPLY · ENGINEERED TO ORDER

THE ONE IDEA

PRINCIPLE	Foam is only as good as its mix.
WHY IT MATTERS	Concentrate has to be drawn into the water at the right proportion across the flow, so the system is matched to the water supply and the mix is checked, not assumed.

THE SYSTEM

VESSEL & PROPORTIONER	A concentrate vessel, and a proportioner chosen for the water supply: an inline eductor, a balanced-pressure unit or a bladder vessel.
PUMP & METERING	Where fitted, a concentrate pump suited to the concentrate, with a metering valve and a check valve that set the proportion.
DELIVERY	Pipework and hose sized to keep the back pressure within what the proportioner can overcome, and a branchpipe or monitor that adds the air.
MOBILE UNIT	A frame with large wheels and a handle, carrying the vessel, eductor, hose and branchpipe for first response.

THE METHOD

ORDER	Specify, match, build, set, check and prove. Matching the proportioner to the water supply, and checking the mix at the flows it will run at, are what a quick order skips.
LIMITS	Proportions, application rates and pressures come from the standard the customer names and from the hazard, and are not printed here.

CONFIGURATIONS

MOBILE FOAM TROLLEY	A wheeled frame with a concentrate vessel, an inline eductor, hose and a branchpipe, for first response.
PUMP PROPORTIONING SKID	A skid with a concentrate vessel, a pump and a balanced-pressure proportioner, for a fixed installation.
PRESSURE PROPORTIONING VESSEL	A bladder vessel on the water main, for installations that must work without a power supply.

STANDARDS & SCOPE

STANDARDS	Public references: NFPA 11 for low-, medium- and high-expansion foam systems, and IS 4989 for foam concentrates.
SCOPE BOUNDARY	It is the foam proportioning system and mobile foam trolley: not a hydrant and pump system, not a fire test facility, not a training facility, and not an extinguisher.
STATUS	Neometrix engineers foam proportioning systems and mobile foam trolleys to order, and no delivered foam system is claimed.

DEFENCE PROGRAMMES DESK

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