



Flexibility in Firefighting with Muster TUFF

The Muster Transferable Unit for Fire Fighting (TUFF) has been specially designed to provide flexible fire protection in a range of applications. Unlike a fire suppression system, the TUFF unit, when not in use, can be easily transferred to another machine.

MUSTER TUFF UNIT

The Muster Transferable Unit for Fire Fighting (TUFF) consists of a cylinder with a bracket, aerator nozzle, valve and retractable 15m hose reel. The TUFF unit is specially designed to provide fire protection for a range of applications where the risk requires a greater quantity of agent than a portable foam fire extinguisher. The TUFF unit has a pressure vessel containing foam agent with a retractable hose reel allowing access to the fire area without the need to move the cylinder.

The foam aeration nozzle expands the extinguishing agent (a fluorine-free foam) into a foam blanket when aerated, effectively smothering and cooling burning material to extinguish flames. The TUFF unit comes in three sizes (38L, 66L, and 110L) and two pressure capacities (7bar and 13.7bar) to meet different user requirements. It is suitable for tackling Class A and Class B fires.



Features & Benefits:

- Larger container volume than a portable foam fire extinguisher for increased extinguishing capability
- Retractable 15m hose reel to address fires on or near machinery where unit is mounted
- Fitted with a nozzle designed to aerate and create foam blanket
- Nozzle can be inserted into machinery access points and small openings to apply foam directly
- Extinguishing agent is an environmentally responsible foam that is fluorine free
- Easily attached to machinery or support vehicles, facilitating swift transfers
- Offers surrounding areas protection from spreading fire
- The system operates using stored nitrogen pressure or compressed air, easily filled by the operator, No licence required



Applications

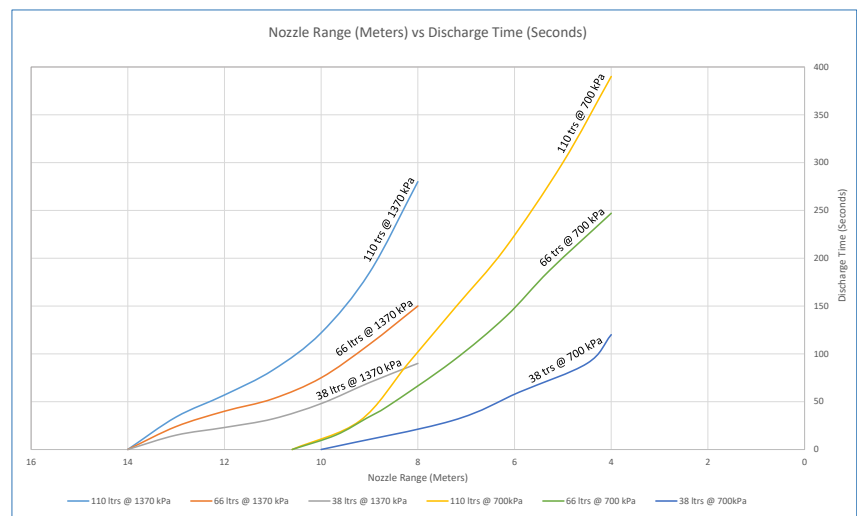
- Agricultural equipment where the fire risk is not specific to one area of the machine
- Large refuelling vehicles with fire risk linked to the serviced machine
- Seasonal processing plants requiring more extinguishing agent
- Forestry equipment
- Mobile cranes
- Service vehicles
- Mining support equipment (LVs)
- Container Forklifts



PERFORMANCE CHARACTERISTICS

All sizes of Muster TUFF include a 15m retractable hose, enabling the nozzle to reach around most machines from any direction and ensuring a safe distance for support vehicles.

The Muster TUFF offers excellent range and extinguishing time based on the selected cylinder size.



CYLINDER CAPACITY	AGENT VOLUME	PART NO.	7 BAR RUN TIME	PART NO.	13.7 BAR RUN TIME
38 L	30.4 L	M2TUFF038LP	130 secs	M2TUFF038	90 secs
66 L	52.8 L	M2TUFF066LP	250 secs	M2TUFF066	150 secs
110 L	88 L	M2TUFF110LP	420 secs	M2TUFF110	280 secs

System charged to 7bar (700 kPa) pressure

The nozzle range provides a stream of approximately 10 metres at the beginning of the discharge and tapers off to 4 metres for all cylinder sizes enabling safe application of foam to an open fire. The lower pressure configuration allows easy recharging with standard air compressors.

System charged to 13.7bar (1,370 kPa) pressure

The nozzle range provides a stream of approximately 14 meters at the beginning of the discharge and tapers off to 8 metres for all cylinder sizes enabling safe application of foam from a safe distance, exceeding average portable extinguisher range.



FOAM CONCENTRATES

The Muster Fire Suppression System utilises fluorine free foam based fire suppressing solution suitable for all mobile and stationary equipment including, harvesters, tower cranes, generators, forestry equipments, road transport vehicles and industrial equipment.



MOUNTING

The pre-assembled Muster cylinder and bracket set, secured at the factory, needs individual assessment for placement in each fire system. Preferably mounted vertically.

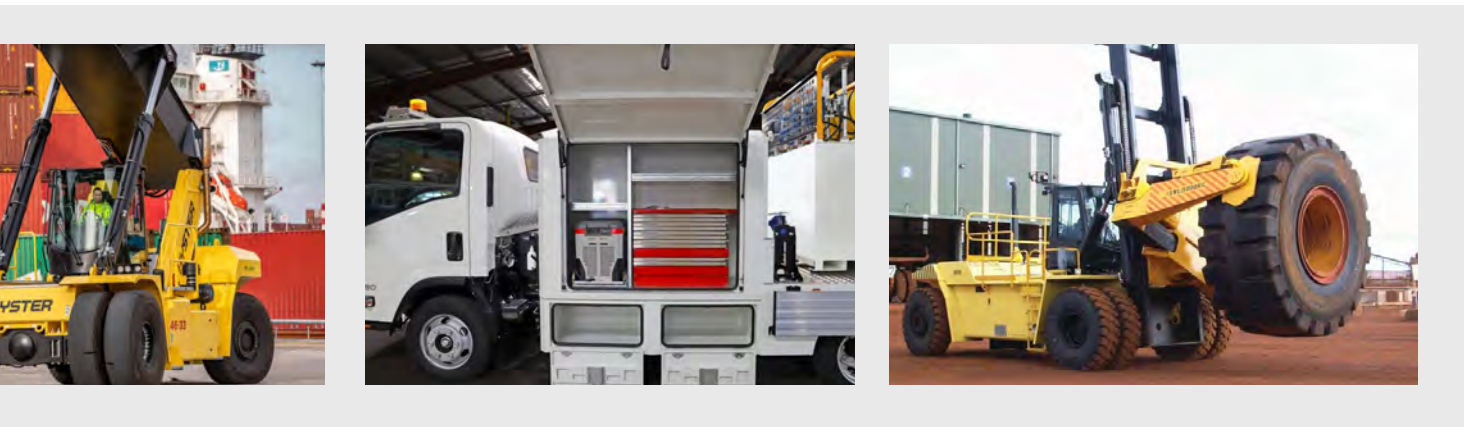
Special support may be required if vertical mounting isn't possible. During operation, angles below 45°C should be avoided to ensure discharge performance.



FILLING ACCESSORIES

After installation the Muster TUFF needs to be filled and commissioned. The following filling accessories are recommended:

- Muster Cylinder Charging kit (M2CR01) safely connects a nitrogen cylinder to TUFF units valve.
- Muster Filling tube (M2FT02) is an easy-to-use tool for precise filling.
- Detailed instructions can be found in the TUFF manual.



Quality

All Muster key products are manufactured using quality materials designed to withstand harsh operating environments, and to ensure they provide longevity to your investment.

Quality assurance is carried out in line with our ISO 9001:2015 accreditation (Certificate # FM 717637) and is carefully monitored by our dedicated team of professionals.



System Support

Muster Fire Suppression Systems are fully supported internationally by JSG who work closely with a network of fully trained and authorised distributors.



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