

# The birth of an industrial quick attack with serious attitude



Chief fire officer Rory Hodgkinson of the National Petroleum Refiners of South Africa (NATREF) understands the necessity to mitigate the threat of fire in a refinery all too well. He has spent most of his career as a professional industrial fire fighter keeping abreast with the latest fire fighting techniques and equipment and systems that will positively impact on his ability to rapidly and effectively attend to fire incidents that occur at a refinery.

The latest in his toolbox is the delivery of two new Advanced Rapid Response units. These two Rapid Response units have a very specific task to perform in the refinery environment and have been meticulously designed to ensure that, as a first response to an incident, the units can perform a critical task in the knockdown and containment phase of an initial conflagration.

The Rapid Response units are designed on the Ford Ranger 3,2-litre TDCi Supercab 4x4. This particular chassis cab was selected due to the conversion kits that are available in the aftermarket in order to bring the required aesthetics to the unit as well as an attractive warranty, maintenance and service plan.

The high flow requirement has been met with the inclusion of the two TFT Crossfire monitors fitted with a TFT Master Foam self-inducing nozzle. The Master Foam nozzle is supplied with one percent and three percent induction orifices and is quick and easy to change out in the field. The monitors are fitted with valve under monitor (VUM) that allows for a 65mm discharge to be plumbed from the monitor supply line. The plumbing is manufactured from polished stainless steel.

The polished stainless steel frame is designed to allow for the complete removal of the rear unit from the load body.

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# Do we need self-defence and which martial arts for self-defence?

By Morné Mommsen, Midvaal Fire and Rescue and Warrior Combative



Emergency service members need to get regular training in some kind of self-defence system

This article does not come easy and hopefully I don't offend anyone. This is not the first time I am talking about self-defence for emergency members. This conversation already comes a long way and I even suggested 'Self-defence for emergency service' as the theme for the past Southern African Emergency Services Institute (SAESI) conference in 2017. A scary fact is that most senior management and provincial government members take note of this problem and on a regular basis it was indicated to them to start with some kind of training programmes to train emergency member to take care of them self in different criminal situations.



Two T-Series Crossfire monitors has been fitted with a T-Series Master Foam self-inducing nozzle

The 300-litre foam tank is manufactured from heavy duty polypropylene and is treated with a non-slip paint to accommodate the heavy wear and tear to which it is exposed to. The tank is fitted with an electronic contents level gauge.

Two all-aluminium hose trays are provided, one on either side. The left side hose tray accommodates three 100mmx30m supply line and the right hose tray six 65mmx30m attack lines.

Additional items that formed part of the vehicle specification are:

- 4 500kg electric front mount winch
- All stainless steel nudge bar
- WiFi camera to capture the incident
- Rear LED work light
- Emeduvac emergency lighting and siren system with LED flashes
- Step lights all round
- Reflective signage
- MSA mini self-contained breathing apparatus (SCBA)
- Thunderstorm C801 1x3 Premium foam



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