

29 September 1997

Tech Talk No: 31

Product: **Engine Stranglers**

Engine Stranglers are devices used in the aid of stopping the diesel engine of a pump truck vehicle in the Petroleum industry.

The code with which encumbers the use of stranglers is AS2809.2 which states:-

2.6.4 Pump driving engines.

- a) An approved manual operated strangler shall be fitted to the air intake.
- b) A strangler-operating device and emergency stop for the engine or motor shall be provided adjacent to each other at the discharge side of the vehicle. All such devices shall be clearly identified and easily accessible.

Note.1.

A strangler may take the form of a valve which close the air intake passage to the engine. In such a case, account must be taken of the affects of vacuum on the intake piping and of other passages (such as sump breathers). Should fire extinguisher types be approved they must be single 100% discharge type discharging who the air intake manifold close to intake manifold.

In simple terms the strangler is used to stop engine run-aways. When fuel is supplied by an outside source eg. Fuel spill adjacent vehicle. A diesel truck engine will continue to run even when the truck key is turned off. In this case the strangler acts as a stop for such outside source thus starving the engine of fuel causing the engine to stop.

Liquip has two engine stranglers

No.1. Liquip Mechanical Air Strangler

Current Pricing 3" \$196.56 - 5" \$228.80 plus installation kit

No.2. FEAS MAG1

Current Pricing \$560.00 kit price

Enclosed technical details

Liquip has one opposition product which is the Womalols fire extinguisher stype unit NAFF-III the unit comes in 3kg or 5kg units and mounts in a similar format to the BCF Halon filled units which were made obsolete for use on December 1995 for most applications.

NAFF-III

Current Price 3kg \$350.00 including fitting kit and brackets

5kg \$570.00 including fitting kit and brackets

The down side to this unit is the need for fire extinguisher certification and also a \$50.00 per kilo refill cost once discharged.

Previous to the three existng units mentioned in our Tech Talk. The industry used for many years the Halon filled BCF style extinguisher this unit is now obsolete for use in our industry from 30 June 1996 and must be removed and changed to either Liquip replacment models. The Halon extinguisher must be disposed of in official dumping area be EPA approval.