See toolbox Talk 016

The water mist extinguisher only contains de-mineralised water.

How does it work?

The extinguisher's supersonic nozzle disperses microscopic 'dry' water mist particles to suppress fires and extinguish burning materials. The particles are attracted by the fire and cool the fire and reduce oxygen content.

100% safe for use on wood, paper, textiles, flammable liquids and fat fires.

What about electrical risks?

The extinguisher had a 35kV electrical test carried out to ensure that they can safely be used on electrical equipment up to 35000 Volt

Innovative Dry Water Mist Technology

The dry water mist technology extinguishers allows them to produce over 22 billion water droplets from only 1 litre of water. The droplets are as small as 25 microns in diameter and create an ultra-fine mist which has superior firefighting capabilities. The patented nozzle creates water droplets unlike any other extinguisher, producing mist that leaves almost no trace and no collateral damage.

Broad-Spectrum Extinguisher Capabilities

The fire extinguishers are capable of tackling almost all common fires including class A, B, C, F and electrical fires. The unique water mist has the normal cooling effects of water and creates a "mist curtain" cutting off the oxygen supply. The droplets are so small that they have no adverse reaction with burning liquids allowing them to be used on class B and F fires.

But:

Toolbox talk 016 indicates this extinguisher will not fall into part of the building portable protect, and there is no service guidelines in SANS 1475 Part1.

More Importantly to the types of fire it can extinguish:

It is stated that it can extinguish Fat, Chemical liquid, and electrical induced fires.

Servicing:

1. **Follow the manufacturer's procedure to the letter**
2. **The discharge pressure in general is lower than the usual 1400Kpa**
3. **The medium is de-ionised water**
4. **The nozzle is specially designed**

Altering any of the above effects the performance of the extinguisher, and could turn it into a dangerous piece of equipment.

a. **Use Tap water you increase the possibility of electrical conduction (this will have build-up of unwanted elements in the nozzle)**
b. **Increase the pressure or even lower the pressure you could increase the possibility of electrical conduction (this will effect discharge nozzle)**
c. **Damage to the nozzle (this will affect the discharge pattern and increase the possibility electrical conductivity)**

HOW DO YOU TEST THE DISCHARGE NOZZLE?

Finally: As the competent person you will certify the service of this type of extinguisher – there for ensure the equipment is totally safe for use. Use the manufacturer's service procedure, and if there isn't one do not service

Presented By: Name:_____	Date _____	Signature _____

NAME	SIGNATURE	NAME	SIGNATURE