

PROTECT YOURSELF *TODAY!*

High Pressure Fire Extinguisher Rapid Fire Fighting - *without water damage!*

von Oertzen GmbH, Ammersbek, Germany, present their new product line FIRE-TEC.



One cannot imagine what life would be without fire - yet, fire can be man's deadliest enemies; for it can destroy and mutilate in a few minutes what took a lifetime to build!

The best form of defense against fire is to have an effective Immediate Response System, in-house!

THE HDL 250 FIRE-TEC

**The *Compact* Revolution -
Extremely Fast Extinguishing Times by Atomization of Water**

**20~50 microns
water-mist**

**1000 times
faster cooling**

***and no water
damage!***



THE OERTZEN 250 FIRE-TEC

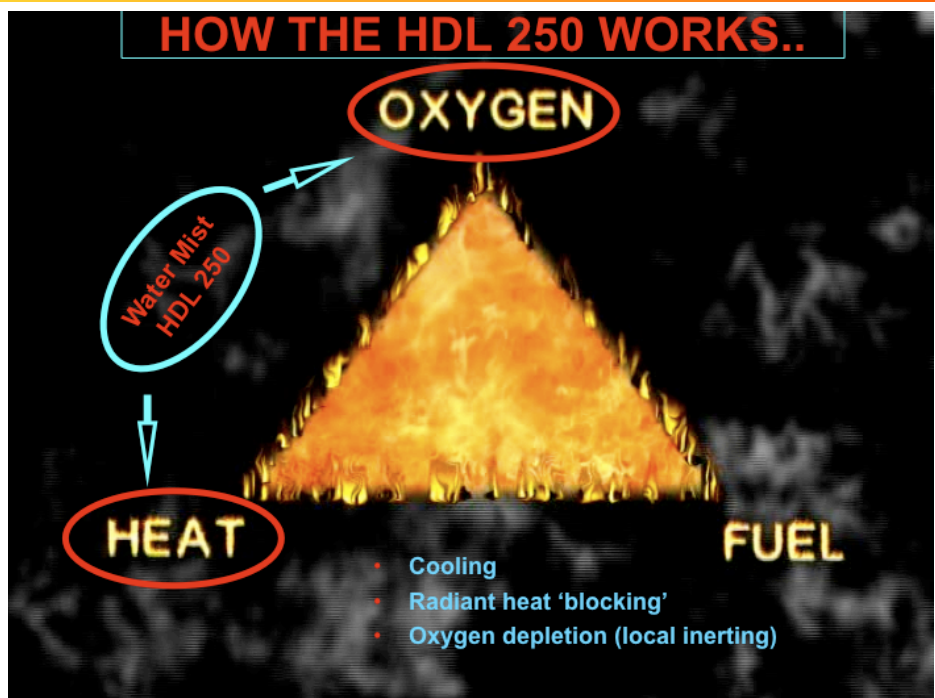
The Principle

Manner of Work

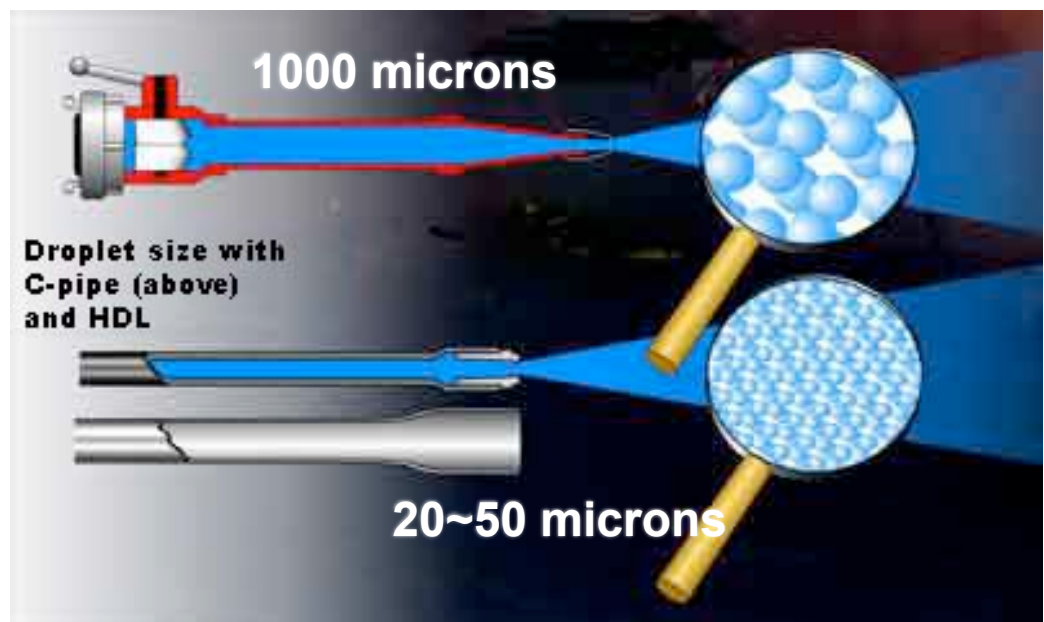
The water flow is pressurized to 250 bar (3,600 psi) ensuring that the water emerges from the atomization nozzle at high velocity. The moist mist even reaches difficult areas of a fire, such as roof timbers, wooden wall panels or intermediate ceilings.

The fire rapidly loses considerable amounts of energy by evaporation which reduces the oxygen level below critical limits, resulting in suffocation of the already weakened fire. The synergetic effect of these two processes creates an incredibly effective extinguishing action.

The high-pressure extinguishing process is created by atomizing water. Minute water droplets are generated, resulting in an increased water surface. The cooling effect of the water is very efficient in removing the energy from the fire (energy extraction), whilst the expansion of steam starves the fire of oxygen.



And there is **NO** Water Damage!

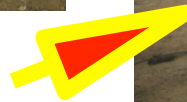




OIL BURNING IN A PAN



Demonstrating the effectiveness of the totally independent HDL Fire-Tec on cotton bales at a Textile Mill in S.I.T.E.. in Karachi. Time taken to put the fire out : under 60 seconds!



THE HDL 250 comprises high pressure fire extinguishers achieving their extraordinary efficiency by atomization of water to 20~50 microns, achieving the maximum possible cooling and area coverage – most rapid fire suppression!.

The large water surface extracts the energy from the fire by cooling; the formation of steam limits the oxygen supply resulting in a suffocation effect. The fire is extinguished within shortest time at minimal (24 'litres/minute') water consumption – without water damage. The high pressure fire extinguisher HDL 250, which is an

original OERTZEN design, has achieved the type approval of the Ministry of the Interior Nordrhein-Westfalen under registration No. P3-1/01.

A highlight of the HDL 250 is the option to change over from high pressure water mist to foam mode within seconds – directly at the extinguishing pistol. Further advantages are: no setup time, short extinguishing time, long distance throw, low recoil, and - no water damage.

The HDL 250 is primarily designed for vehicle installation– however the modular configuration allows various alternative installation options and










special equipment – depending on the clients' requirements, e.g. the mobile version on wheels. Moreover, there are a number of drive options for the high pressure pump available, e.g. Petrol, Diesel, or Electric Motors (also explosion-proof) – as well as a PTO driven unit. As a standard the HDL is equipped with the DUPLEX attachment for spray and low expansion foam. The optional TRIPLEX attachment allows to immediately change over spray to throw mode and to low expansion foam – depending on requirements

Extremely Fast Extinguishing Times by Atomization of Water:

- Burning Room** **10-40 l**
- 10 Burning Pallets** **5-20 l**
- Cars- early stages of burning** **9 litres**
- Cars- fully ignited including tires** **15-30l**

Highlights

EMERGENCY RESPONSE TO FIRE

-  No set-up times
-  Most effective in reducing the energy of the fire by cooling
-  Suffocation of fires by steam generation
-  Extremely fast extinguishing times
-  Low gun recoil
-  Minimal water consumption - max. 25 l/min
-  No water damage and spillage of contaminated water
-  Injection of foam agents is possible if required - standard feature
-  Minimal space and weight requirements when installed in vehicles



The Electrical Explosion-Proof HDL



Fog Nail

Sludge Pump
Plus many other accessories!



This devastation caused by fire - something that could have been controlled if this industry had a reliable immediate response system like the HDL 250 available at hand to control the Fire in its initial stages.



If you are desirous of having a potent
'In-house' Fire Extinguishing capability
Ask for a Presentation on the OERTZEN HDL-250 Fire-Tec today.
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