

PREVENTION – PROTECTION – EXTINGUISHING THE HYDREX® POWER-SYSTEM 3610 F from ÖKO-TEC

Advanced fire fighting techniques today have one most important goal: They must be effective and affordable. That this goal can also be achieved on a small scale is demonstrated convincingly by the new, innovative ÖKO-TEC pressure sprayer **POWER-SYSTEM 3610 F** :

The **HYDREX® POWER-SYSTEM** uses the innovative extinguishing water additive **HYDREX®**. Normally 95% of water runs off during fire-fighting. This water therefore cannot deploy its cooling effect. Through the addition of **HYDREX®** the water forms a gel. It sticks to the burning substance and can effectively cool the fire. **HYDREX®**, when mixed with water assures that a beginning fire does not expand and an existing fire does not grow out of control.

HYDREX® prohibits the dangerous back flash through the formation of a salt like crust on the burning material. Under

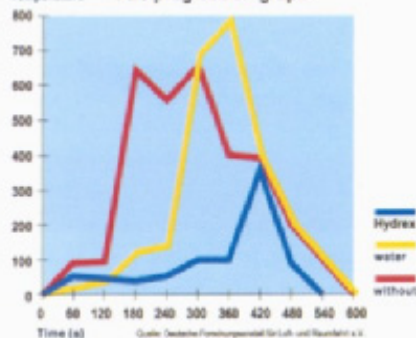
the influence of sunlight **HYDREX®** dissolves within app. 7 days into carbon dioxide and water.

According to tests performed by the Hygienic Institute in Gelsenkirchen-Germany,

HYDREX® is non allergenic, is not poisonous

and does not enter the air passages. It is neutral in water and therefore an environmentally friendly and proven extinguishing agent for class A fires. **HYDREX®** can be stored for at least five years.

Temperature Fire progression graph



HYDREX® optimizes the properties of water!

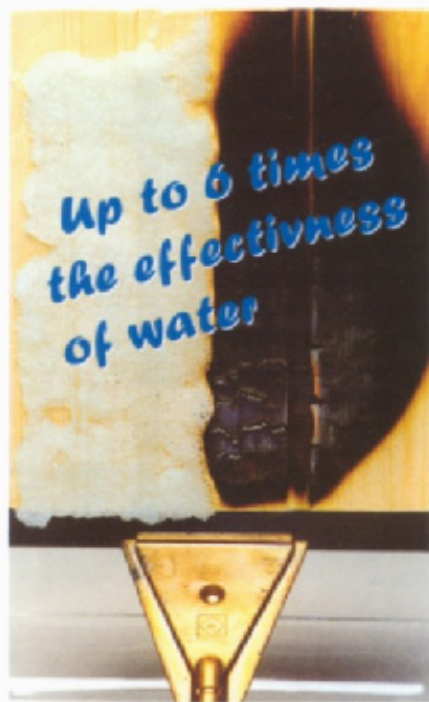
The **HYDREX® POWER-SYSTEM** therefore provides an ideal solution to:

- **Prevention** of fires.
- **Protection** from the spread of fires.
- **Extinguishing** of fires.

It can be applied without special training. The **HYDREX® POWER-SYSTEM** remains fully functional after multiple short term uses. It allows the precise measured amounts to be dispensed which are required to fight the fire and it reduces collateral damage by limiting the affected area. The **HYDREX® POWER-SYSTEM** is pressurized manually or, if required, it may be pressurized using compressed air. Wall and vehicle mounts are available as accessories. The addition of the included **HYDREX®-CLEAR** liquid prolongs the life of the mixture content. If required the **HYDREX® POWER-SYSTEM** can be configured to be effective at temperatures of up to -20°C .

- Cost effective refilling by the user.
- Expensive maintenance and testing are eliminated
- Continued readiness through fault proof technology.
- Long service life through proven quality standards.
- Safety certified through TÜV.

Calculate for yourself. You will be convinced!



Features & Benefits

Increased effectiveness with only 10 litres of product.
Simple refill on site.
Low weight.
Manual and external pressurisation.
Measured dispensing of product.
Long life of the mixed product.
Maintenance and cleaning with local personnel.
Simple handling.
Economical refills.
Long system life.
High safety standards.

Increased success of fire fighting effort.
Rapid re-usability.
Reduced bodily stress.
Independent from energy sources.
Economical to use.
Extended safe use.
Cost and time savings.
Simple use of equipment.
Reduction of operating costs.
Increased cost effectiveness.
Certified by TÜV (GS emblem).

Operating Environment

Transportation industry, Warehouses, Airports, Schools, Power plants, Postal and package services, Trash dumps, Trash recycling plants, Trash re-distribution centers, Paper industry, City gas and electric companies, Disposal services, Ferry services, Docks, Roofing services, Plumbers, Carpenters and other traders, Steel industry, Glass industry, Chemical industry, Plastics industry, Tire manufacturers, Automotive and other repair facilities, Government and Armed Forces, Police, Fire Departments, etc.

HYDREX® is especially suited to fight Thermo Plastic, Duro Plastic and other elastomer fires. Should you require more information about plastics fires please contact us or call us at +49 (0) 60 55-91 56-0 and get in touch directly with our experts.

Technical Specifications

Container

- Stainless Steel
 - EU-Norm 97/23/EG
 - Capacity app. 13,5 Litre
 - Product capacity app. 10,0 Litre
 - Weight empty app. 4,7 kg
 - Weight full app. 15 kg
- HYDREX®-Certification by the Fire Fighting**
- Operating Pressure 6 bar
 - Relief Valve > 6 bar
 - Pressure regulator
 - Pressure relief valve
 - Pump mechanism solid brass
 - Stand and hood PE
 - Hose with holder, valve and **HYDREX®**-spray nozzle

The equipment is subject to the pressure container guidelines. The pressure container regulation TRD 801/Z10 (6) must be observed. No recurring inspection or maintenance is required as described in the EN3 guidelines. The **HYDREX®** Power System is not a fire extinguisher as in EN3 or DIN 14406 norms, nor a bucket sprayer with manual pumping action as in DIN norm 14405, nor is it equipment in the sense of the official guidelines about fire extinguishing apparatus.

Do not use within electric environments. Increased danger of slipping.

HYDREX® is a registered trade mark of ÖKO-TEC GmbH. Modifications or changes to the equipment are made without notice. The user is responsible to determine whether the product or equipment can be safely used for the intended purpose. Errors excepted.

Product Description

- Effective distance at 6 bar > 7m
- Effective distance at 3 bar > 5m
- **HYDREX®**-add mixture Class A, B*

(*when used in conjunction with approved foam product also usable in class B fires)

- Institute NRW Cert.-Nr. PL-5/96
- Hygiene-Institute Gelsenkirchen:
 - Ground water Test
 - Ground toxicity Test
 - Fire Hygienic Test
- Suitable for forest fire fighting
- Certification Swiss Fire Fighters Association



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