

# HNE VPS

A photograph showing a row of modular fire protection units in a factory setting. The units are black, cylindrical, and arranged on wooden pallets. Each unit features a complex assembly of brass valves, solenoids, and piping. The background shows a concrete floor and a metal ladder.

## MODULAR FIRE PROTECTION

A close-up photograph of the modular fire protection units, highlighting the intricate brass valve assembly and solenoid components. The units are arranged in a row, and the background is a blurred factory floor.

# MAXIMUM FLEXIBILITY FOR ANY FIELD OF USE

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*The Vario Protection System (VPS) is a modular firefighting system for various fields of use  
- customisable for your specific needs!*

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The **VPS** consists of various modules, such as vessels for the extinguishing agent, air pressure cylinders, triggering sensors and extinguishing nozzels. These can be selected individually, depending on the field of use, so, your **VPS** is perfectly customised to your needs and potential fire sources.

The **VPS** is useful in different fields and can be installed in various types of buildings, machines and vehicles.

Some examples of industries and sectors where it can be used

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ENGINE TEST STANDS	CONSTRUCTION	WORKSHOPS
AUTOMOBILES	FREIGHT TRAFFIC	AVIATION

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# CUSTOMISABLE SYSTEM

## VARIABLE - FOR EVERY FIELD OF USE

- freely customisable for various applications
- can be installed in vehicles, production halls, workshops, etc.
- depending on configuration, the number of nozzles, the extinguishing agent and the number of tanks can be varied

## COMPACT AND POWERFUL

- fits small spaces due to its compact design
- up to 40 bar working pressure
- well-fit for areas that are difficult to access or for unattended technical systems of all kinds

## EASILY REFILLABLE AND ECONOMICAL

- containers are refillable without special tools
- ideal for regular system tests
- high economical value thanks to long lifetime and easy maintenance

## INDIVIDUAL POWER SUPPLY

- internal or external
- 12V or 24V
- can be supplied with thermomechanical trigger instead of an electronic one



# THE IDEAL SYSTEM FOR EVERY SITUATION

## Overview of options and variants

### POWER SUPPLY

- internal/external
- autarkic, redundant
- 12V or 24V
- automatic charging

### EXTINGUISHING AGENT TANK

- 9 to 100 litres
- aluminium, coated
- steel, coated
- CFRP, ultralight

### EXTINGUISHING AGENT

- water
- foam
- metal extinguishing agent
- other chemicals

### JET TYPE

- focused
- spray
- sprinkler
- mixed forms

### TRIGGERING

- sensors (smoke/gas/etc.)
- manual triggering
- remote control

### PROPELLANT

- compressed air
- 300 bar bottles
- external supply

### WORKING PRESSURE

- 22 bar (usually)
- 8 to 40 bar (variable)



Optionally the VPS can be equipped with a hose reel and jet gun, enabling manual use.

# HEAVY INDUSTRY

When working with metals, ordinary water-based extinguishing agents cannot be used.

In those cases the **VPS** can be filled with our water-free extinguishing agent **Cold Metal**.

This special liquid has enormous cooling qualities and stops combustion by extracting the heat. In addition, it reliably prevents reignition and extinguishes surrounding fires.

Therefore the **VPS** is well fit for use in the metal processing industry.

# MILITARY VEHICLES

To keep mobility and functionality up, especially the compartment and the tires need effective protection from fire. The increasing heat of the vehicle shell after impact of incendiary material poses another lethal threat to occupants and danger to technology.

The modular **VPS** consists of separate pressure lines connected to different areas of the vehicle. You can activate them by the push of a button: single ones, groups or all of them.

Automatic triggering by sensors is also possible. The high capacity of the extinguishing agent tanks allows for multiple or long-time activation.

- active fire protection for the whole vehicle body
- high capacity for multiple activation
- individually selectable nozzle groups
- simple installation and retrofitting
- redundant power supply
- quick and cheap refilling

# POWER PLANTS

Fires in solar and wind plants are best fought at key positions in the moment of breakout. Since staff cannot watch all danger zones, an automated extinguishing system is the best solution.

The **VPS** can secure danger zones reliably with low expense and little operational cost.

All the system's parameters such as extinguishing agent, capacity, sensor technology and triggering are designed especially for the customer's needs at the place of installation.

After the first installation the system can always be adjusted, extended or enhanced.

# AVIATION & SEAFARING

Engine rooms of ships and airplanes are often regarded as sources of danger because of overheating or technical malfunctions.

The **VPS** can also be installed in those small spaces and be triggered at the ignition of a fire by smoke or fire sensors and stop the flames before they can spread.

Moreover the nozzles can be triggered and activated separately. Thereby you can only extinguish selected areas and prevent sensitive technical parts from being covered by foam unnecessarily.

# TECHNICAL SPECIFICATIONS

## TECHNICAL DETAILS

## VPS

Filling Volume	9 to 100 litres
Propellant	Compressed Air, 300 bar
Working Pressure	8 to 40 bar
Range of Temperature	-25°C to 60°C
Distance to Electricity	min. 2 m / max. 1000 V

Since the **VPS** offers varying fields of use and configurations, most of the technical specifications are adjustable, too.



Optional VPS  
Control Panel

## Possible Fire Types (depending on configuration)



By default, the **VPS** is filled with foam extinguishing agent to put out class A and class B fires.



Depending on the potential burning material the vessels can be filled with alternative extinguishing agents. Thereby other fire types can be put out as well.

We will gladly help to find the perfect configuration to secure your property!

**PORTABLE**  
Firefighting Systems  
9 to 13 litres



**INTEGRATED**  
Modular, Variable  
Firefighting Systems

**MOTORIZED**  
Water-, Foam- and  
CAFS-Units



**HiGUARD SERIES**  
Made for Police