

SE21W10 Hydraulic Positive Pressure Fan



The **SmokeEjector TYPHOON SE21W10** is a high-performance solution designed to combine targeted smoke extraction with the spraying of a water mist. Powered exclusively by a **10 CH hydraulic turbine**, it operates without electricity, batteries, or fuel.

This dual function allows for the removal of contaminated air while helping to suppress smoke and airborne particles. Powerful, mobile, and quick to set up, it meets the needs of fire departments, industrial sites, and response teams working in confined spaces or heavily smoke-filled environments.

A premium solution combining extraction and misting

Mounted on wheels and equipped with a carrying handle, the **TYPHOON SE21W10** can be quickly deployed in the field and positioned as close as possible to the area to be treated. It can be used to extract smoke from a room, basement, tunnel, utility tunnel, or confined industrial space.

Its **21" / 540 mm** size delivers an airflow rate of **24,000 m³/h**. Weighing **30 kg**, it remains highly mobile while providing extraction capacity suitable for operations requiring significant air exchange.

A hydraulic turbine that operates without electricity or fuel

Unlike an electric or combustion-powered exhaust fan, this model uses energy from a pressurized water system to drive its turbine. This design eliminates the constraints associated with recharging batteries, finding an electrical outlet, or storing fuel.

The **10 CH** hydraulic turbine is powered via a **quick-connect Storz** coupling. This configuration facilitates its integration with firefighting equipment, pumps, and hydraulic systems already available at the incident site.

Integrated misting to aid in particle suppression

The TYPHOON SE21W10 features an integrated spray function controlled by an on/off system. It generates a

water mist designed to assist the extraction process by capturing some of the particles and aerosols present in the airflow.

This function can be used when the operation requires both fume extraction and the reduction of airborne particles. Its effectiveness depends in particular on the unit's positioning, the hydraulic supply, and the nature of the fumes or vapors being treated.

Technical Specifications

Technical Specifications – SmokeEjector TYPHOON SE21W10	
Product Type	Hydraulic smoke extractor with integrated spray system
Model	TYPHOON SE21W10
Drive	10 CH hydraulic turbine
Airflow	24,000 m³/h
Weight	30 kg
Nominal diameter	21" / 540 mm
Connection	Storz, quick-connect coupling
Power source	Hydraulic power supplied by a pressurized water system
Additional function	Integrated spraying or misting with on/off control
Mobility	Wheel-mounted with carrying handle
Typical applications	Fume extraction, particle removal, confined spaces, and industrial environments

Applications

- Smoke extraction with water mist spray during firefighting operations.
- Removal of stale air from basements, tunnels, and utility rooms.
- Industrial extraction of smoke, vapors, or particulates in confined spaces.
- Combined treatment of smoke and airborne particles.
- Ventilation of areas with a water supply system or pumping equipment.
- Operations requiring operation without electricity or fuel.

FAQ – SmokeEjector TYPHOON SE21W10

What is the purpose of the built-in misting function?

It disperses a water mist into the airflow to help suppress smoke, aerosols, and airborne particles. This feature complements the extraction provided by the hydraulic turbine.

What power source is required to operate the SE21W10?

The SmokeEjector requires a pressurized water supply from a pump, a fire protection system, or a suitable

hydraulic unit. It requires no electrical power or fuel.

Is a minimum water pressure required?

Yes. The hydraulic turbine and the misting function require sufficient water pressure and flow rate. The precise values must be determined in accordance with the manufacturer's technical data and the site's operating conditions.

Can the extraction function be used without the misting function?

The misting function has an on/off control. It can therefore be activated when particle suppression is desired and deactivated when only smoke extraction is needed.

What are the main advantages for a response team?

The TYPHOON SE21W10 combines **powerful extraction**, **integrated misting**, and **autonomous hydraulic operation**. It is a versatile solution for teams that need to remove smoke while helping to reduce airborne particles.