

ATEX 21W10 Hydraulic Positive Pressure Fan



The **TYPHOON ATEX 21W10 positive-pressure fan** is a high-performance solution designed for the safe ventilation of the most sensitive industrial environments. Driven exclusively by a **10 CH hydraulic turbine**, it operates without electricity or fuel, eliminating the ignition sources associated with conventional motors in hazardous atmospheres.

This design makes it the go-to equipment for **ATEX zones**, degassing operations, purging prior to hot work, and the ventilation of confined spaces. Compact, mobile, and powerful, it meets the requirements of industrial sites, fire departments, Seveso sites, infrastructure operators, and specialized response teams.

A solution for explosion-hazard zones

Mounted on wheels, the **TYPHOON ATEX 21W10** can be quickly deployed on-site and positioned as close as possible to the area to be ventilated. It is suitable for complex environments: tanks, silos, pumping stations, utility networks, parking garages, classified industrial facilities, or maintenance areas with controlled atmospheres.

Its **533 mm (21")** size, compliant with the **DIN 14963-WT** standard —**size class 2**—delivers an airflow rate of **24,000 m³/h** while weighing just **16 kg**. This power-to-portability ratio ensures effective ventilation while maintaining excellent maneuverability in the field.

A hydraulic design for operation without an ignition source

Unlike a conventional thermal or electric fan, this model uses hydraulic power to drive the turbine. This design minimizes risks associated with sparks, fuels, batteries, or electrical components in sensitive atmospheres.

Its **ATEX EX II 2GD c IIC T6** certification makes it suitable for environments exposed to flammable gases, vapors, or dust, provided that site-specific safety procedures are followed. The **ISO 2.5" BSP, NST 2.5", or Storz** connection facilitates its integration into existing emergency response equipment.

Technical Specifications

Technical Specifications – TYPHOON ATEX 21W10 Positive Pressure Fan	
Product Type	ATEX Hydraulic Positive Pressure Fan
Model	TYPHOON ATEX 21W10
Drive	10 CH hydraulic turbine
Airflow	24,000 m³/h
Weight	16 kg
Nominal diameter	21" / 533 mm
Connection	ISO 2.5" BSP, NST 2.5", Storz
Specified standard	DIN 14963-WT – Size Class 2
Protection	ATEX EX II 2GD c IIC T6
Mobility	Wheel-mounted
Typical Applications	ATEX zones, tank degassing, confined spaces, purging prior to hot work

Applications

- Ventilation of industrial areas at risk of explosive atmospheres.
- Tank degassing prior to inspection, maintenance, or work.
- Purging of ATEX zones prior to hot work.
- Ventilation of confined spaces: silos, pipeline networks, pumping stations, and utility rooms.
- Smoke extraction from residential buildings, parking garages, industrial buildings, or classified sites.
- Operations at Seveso sites, storage areas, technical infrastructure, or sensitive environments.

FAQ – TYPHOON ATEX 21W10 Positive Pressure Fan

Why choose a hydraulic fan in an ATEX zone rather than an electric or thermal model?

A hydraulic fan requires neither an electrical power supply nor fuel. It thus minimizes potential ignition sources in sensitive atmospheres, making it particularly well-suited for ATEX zones, confined spaces, and high-risk industrial operations.

Is this fan intended solely for fire departments?

No. It also meets industrial needs: tank degassing, ventilation of technical rooms, purging prior to hot work, Seveso sites, pumping stations, industrial networks, and classified maintenance areas.

Is the 21" model suitable for confined spaces?

Yes. The 21" model offers an excellent balance between ventilation power, portability, and ease of positioning. However, its use must comply with the site's safety procedures: atmosphere monitoring, lockout/tagout, supervision, and adherence to regulations governing confined spaces.

What are the main advantages for an industrial site?

This fan combines **ventilation power**, **mobility**, and **operation without electricity or fuel**. It is a particularly suitable solution for sites seeking reliable, high-quality equipment adapted to the constraints of explosive atmospheres.