

ATEX 30W22 Hydraulic Positive Pressure Fan



The **TYPHOON ATEX 30W22 positive-pressure fan** is a high-performance hydraulic solution designed for the safe ventilation of large industrial spaces at risk of explosive atmospheres. Driven exclusively by a **22 CH hydraulic turbine**, it operates without electricity, batteries, or fuel.

Its high ventilation capacity makes it particularly well-suited for large tanks, silos, pumping stations, classified facilities, and large industrial areas. Powerful, mobile, and adjustable, it meets the needs of Seveso sites, fire departments, infrastructure operators, and specialized response teams.

A premium solution for large volumes in ATEX zones

Mounted on wheels and equipped with a carrying handle, the **TYPHOON ATEX 30W22** can be moved and positioned as close as possible to the area to be ventilated. Its large diameter allows it to handle large volumes during degassing, purging, ventilation of confined spaces, or industrial smoke extraction operations.

Its **30" / 762 mm** size, compliant with **DIN 14963-WT** standard —**size class 3**—delivers an airflow rate of **50,976 m³/h**. Weighing **40 kg**, it remains sufficiently portable for field operations despite its high power and large diameter.

A 22 CH hydraulic turbine with no electrical ignition source

Unlike a conventional thermal or electric fan, this model uses energy from a pressurized water system to drive its turbine. This design eliminates the need for an electric motor, battery, or fuel at the fan itself.

Its **ATEX EEx** certification makes it suitable for sensitive industrial environments, provided that the site's zoning, risk analysis, and applicable safety procedures are followed. The **Storz B/B** coupling facilitates its integration into existing fire suppression systems and hydraulic equipment.

A control valve to adjust ventilation output

The TYPHOON ATEX 30W22 features a control valve that allows the hydraulic turbine's airflow to be adjusted to meet the needs of the operation. The operator can thus adjust the airflow power and volume based on the space to be treated, the size of the openings, and the conditions encountered on site.

This adjustment capability eliminates the need to systematically use maximum flow rate and provides greater flexibility during gradual ventilation, purging, or degassing operations in large industrial facilities.

Technical Specifications

Technical Specifications – TYPHOON ATEX 30W22 Positive Pressure Fan	
Product Type	High-capacity ATEX hydraulic positive-pressure fan
Model	TYPHOON ATEX 30W22
Drive	22 CH hydraulic turbine
Airflow	50,976 m³/h
Weight	40 kg
Nominal diameter	30" / 762 mm
Connection	Storz
Control	Integrated hydraulic control valve
Power source	Hydraulic supply via pressurized water system
Specified standard	DIN 14963-WT – Size Class 3
Protection	ATEX EEx
Mobility	Wheel-mounted with carrying handle
Typical Applications	Large ATEX zones, tank degassing, purging prior to hot work, and ventilation of large-volume confined spaces

Applications

- degassing of large industrial tanks prior to inspection, maintenance, or service;
- purging of large ATEX zones prior to hot work;
- Ventilation of silos, pumping stations, and utility networks;
- air renewal in large-volume confined spaces;
- smoke extraction from hangars, industrial buildings, and classified facilities;
- operations at Seveso sites or facilities with a risk of explosive atmospheres.

FAQ – TYPHOON ATEX 30W22 Positive Pressure Fan

What is the difference between the TYPHOON ATEX 30W22 and the TYPHOON ATEX 21W10?

The TYPHOON ATEX 30W22 has a 30" diameter, a 22 CH hydraulic impeller, and an airflow rate of 50,976 m³/h. The TYPHOON ATEX 21W10 is more compact, lighter, and equipped with a 10 CH impeller for a flow rate of 24,000 m³/h.

What is the purpose of the built-in control valve?

The valve allows you to adjust the turbine's hydraulic supply and, consequently, the fan's power output. It makes it easier to adjust the airflow based on the volume to be ventilated and the operating conditions, without always having to use the fan's maximum capacity.

What power supply is required to operate the TYPHOON ATEX 30W22?

The fan requires a pressurized water supply from a pump, a fire protection system, or a suitable hydraulic unit. The available pressure and flow rate must be compatible with the requirements of the 22 CH turbine.

Does this model require grounding?

Grounding arrangements must be determined based on the ATEX zone classification, risk analysis, and site procedures. A grounding braid or grounding stake may be necessary to limit the buildup of electrostatic charges.

Does the 40 kg weight allow for mobile use?

Yes. The fan is mounted on wheels and equipped with a carrying handle to facilitate movement on suitable surfaces. However, special care must be taken when moving the fan over stairs, slopes, obstacles, or uneven floors.

What are the main advantages for a sensitive industrial site?

This fan combines **very high airflow, hydraulic operation, power regulation, and a design suitable for ATEX environments**. It is a particularly suitable solution for sites seeking powerful equipment to ventilate large volumes without an electric motor or fuel at the fan itself.