

18W10 Hydraulic Positive Pressure Fan



The **TYPHOON 18W10 positive-pressure fan** is a high-performance solution designed for long-term ventilation of industrial facilities and technical infrastructure. Driven exclusively by a **10 CH hydraulic turbine**, it operates without electricity or fuel and can be connected directly to a pressurized water supply or existing pumping equipment.

Mounted on a **fixed frame**, it is particularly well-suited for setting up a permanent or semi-permanent ventilation station. Compact, robust, and easy to integrate, it meets the needs of industrial sites, network operators, pumping stations, underground construction sites, and specialized maintenance teams.

A Solution for Fixed Ventilation Installations

The **TYPHOON 18W10** is designed for long-term installation near the area to be ventilated. Its fixed frame ensures stable positioning on utility rooms, sewer systems, pumping stations, underground structures, or industrial sites requiring regular air exchange.

Its **450 mm (18")** size, compliant with **DIN 14963-WT** standard —**size class 1**—offers a compact solution weighing just **15 kg**. This combination of power, compact size, and ease of installation facilitates its integration into existing infrastructure.

A hydraulic design for continuous, self-sustaining ventilation

Unlike a conventional thermal or electric fan, this model uses hydraulic power to drive its turbine. This design eliminates the constraints associated with fuel storage, battery recharging, or the availability of a power supply near the ventilation point.

The **10 CH** hydraulic turbine allows for extended operation as long as an adequate water supply is available. **Storz, ISO 2.5" BSP, or NST 2.5"** connections facilitate its integration into existing fire protection systems, industrial facilities, and pumping equipment.

Technical Specifications

Technical Specifications – TYPHOON 18W10 Positive Pressure Fan	
Product Type	Hydraulic positive-pressure fan on a fixed frame
Model	TYPHOON 18W10
Drive	10 CH hydraulic turbine
Weight	15 kg
Nominal diameter	18" / 450 mm
Connection	Storz
Specified standard	DIN 14963-WT – Size Class 1
Installation	Fixed frame
Power source	Hydraulic power supplied by a pressurized water system
Typical Applications	Pumping stations, utility networks, sewer systems, underground structures

Applications

- Installation of a fixed ventilation unit on an industrial water system.
- Ventilation of pumping stations and utility rooms.
- Air renewal in sewer systems and underground structures.
- Extended ventilation of underground construction sites.
- Ventilation of tanks, silos, or confined spaces equipped with a suitable hydraulic supply.
- Integration into an industrial facility requiring a fan that is available at all times.

FAQ – TYPHOON 18W10 Positive Pressure Fan

Why choose a hydraulic fan for a fixed installation?

A hydraulic fan operates without an electrical power supply, battery, or fuel. It can be connected to an existing water supply and remain continuously available at an industrial or technical ventilation station.

What is the difference between the TYPHOON 18W10 and the TYPHOON ATEX 21W10?

Both models use a 10 CH hydraulic turbine. The TYPHOON 18W10 is mounted on a fixed frame and designed for permanent installation, while the TYPHOON ATEX 21W10 is mounted on wheels, offers higher airflow, and features specific protection for explosive atmospheres.

Is the 18" size suitable for industrial installations?

Yes. The 18" size offers a suitable compromise for technical areas where space is limited. Its weight of 15 kg also makes it easy to install, maintain, and reposition if necessary.

What are the main advantages for an industrial operator?

This fan combines **hydraulic operation** with **a stable installation** and **requires no electric or thermal motor**. It is an ideal solution for sites seeking reliable, durable equipment that can be directly connected to their water supply.