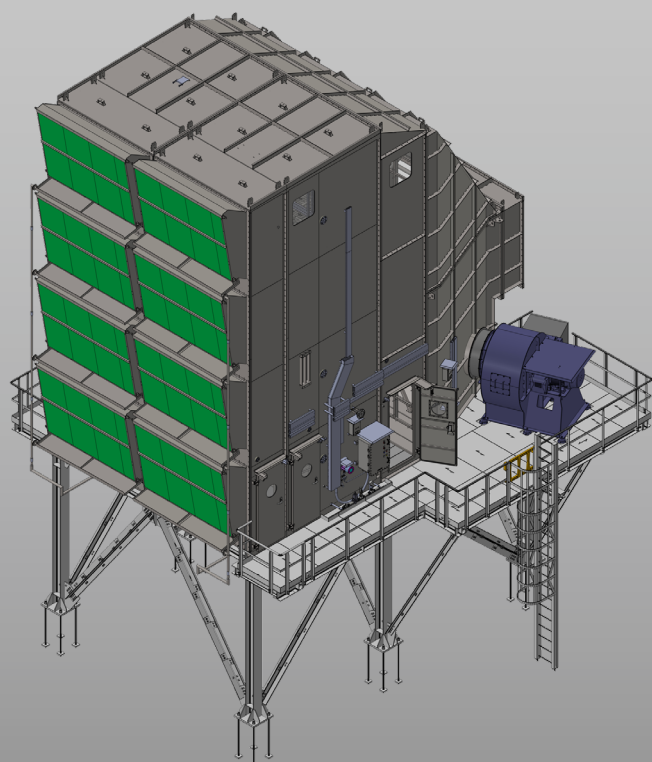




TURBOGAS SYSTEMS • FILTRATION

ALBIZZATI S.P.A.

Filter houses for gas turbines



MAX COMBUSTION AIR FLOW

1,188,000

m³/h

Engineered to protect gas turbines from erosion, fouling, and corrosion. Available in static and pulse-jet self-cleaning configurations, with full electro-instrumentation for continuous monitoring.



* PRODUCT OVERVIEW

Filter houses for gas turbine installations are critical components for ensuring proper turbine operation. Available in static or pulse-jet configurations, these filter chambers are designed to filter incoming air and remove harmful particles through bag filters, compact filters, and panel filters used as pre-filtration and filtration stages. Their primary function is to protect turbines from erosion, fouling, and corrosion while maintaining clean inlet air and optimal operating conditions.

Each solution includes a full electro-instrumentation package for continuous performance monitoring. In pulse-jet self-cleaning configurations, the automatic cleaning cycle eliminates the need for frequent filter element replacement, significantly reducing maintenance requirements.

Filter Houses for Gas Turbines

* SPECIFICATIONS

Max combustion air flow

1,188,000 m³/h

Design approach

Custom engineered per project requirements

Configurations

Static / Pulse-jet self-cleaning

Filter types

Bag, compact, panel (pre-filtration & filtration stages)

* MATERIALS

Carbon Steel

Stainless Steel (INOX)

* INSTALLATION

Onshore

Offshore

* ENVIRONMENTAL AND OPERATING CONDITIONS

- **Structural design:** Engineered for severe conditions – pressure, temperature, wind and snow loads, seismic actions.
- **Onshore & offshore:** Structural and environmental design ensures performance and integrity under all installation conditions.

* SAFETY AND PROTECTION

- Detailed installation and maintenance manuals supplied with each unit.
- Comprehensive risk analysis assessment performed for each project.

* TESTING AND QUALITY CONTROL

Smoke test
tightness verification

Lifting
proof test

Full Trial
Fit-up

Dimensional
control

NDE – MT
Magnetic Testing

NDE – UT
Ultrasonic Testing

NDE – RT
Radiographic Testing

Liquid
Penetrant (LP)

Visual
inspection

* CERTIFICATIONS

ISO 9001:2015

UNI EN ISO 19443

CSA W47.1

A660 CANADIAN STD

ISO 3834-2:2021

ISO EN 13084-7

ISO 45001:2018

UNI EN 1090

U-STAMP ASME