Casals

VORTICE GROUP

Jet fans & CFD simulation

Jet fans F400 and simulation of computational fluid dynamics

JET FANS

50 Hz   60 Hz
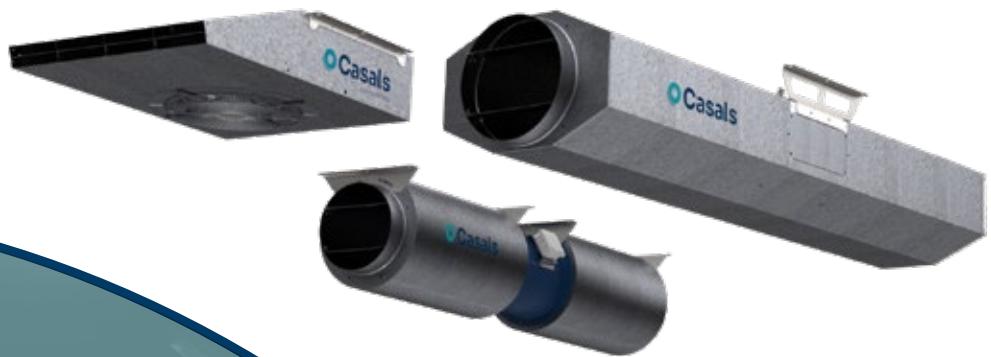
JET FANS F400 AND SIMULATION OF COMPUTATIONAL FLUID DYNAMICS
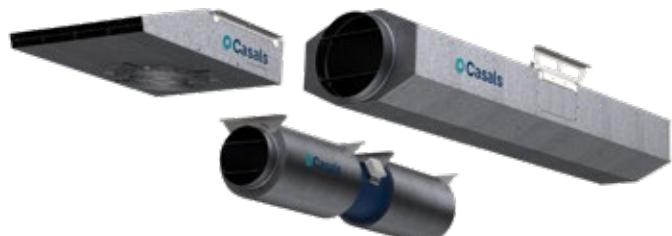
Jet fans &
CFD simulation

º **JF** | Axial jet fan

F400 4.150-8.060 m³/h | **F300** 4.370-8.470 m³/h | **CONFORT** 4.500-8.470 m³/h

º **JFC** | Circular axial jet fan

**F400** 4.150-8.860 m³/h | **F300** 4.370-9.330 m³/h | **CONFORT** 4.500-9.330 m³/h

º **SYBILO** | Centrifugal jet fan

**F400** 5.800-9.200 m³/h | **F300** 5.800-9.200 m³/h | **CONFORT** 5.800-9.200 m³/h

º **SYBILO–S EEC** | Low profile jet fan for comfort with EC motor

CONFORT 2.500 m³/h

For parkings and large spaces where polluted air, or smoke from an accidental fire, needs to be removed

Induction

Air extraction

Air supply
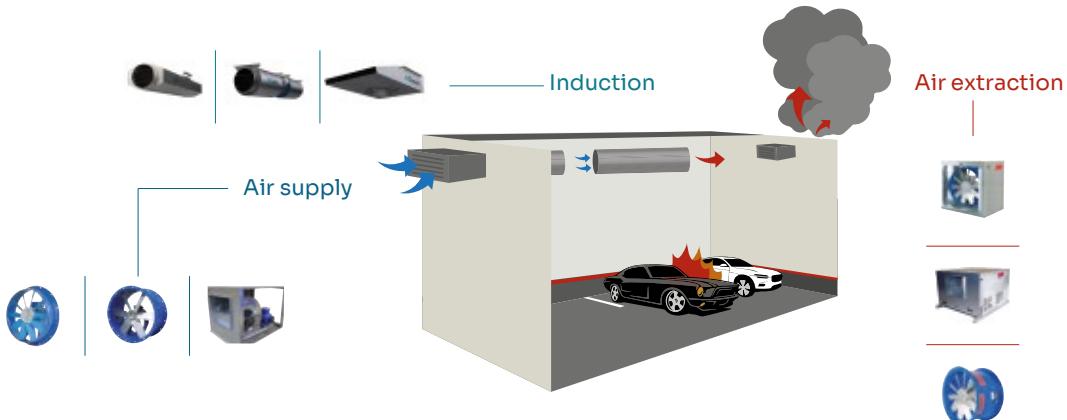
Parking ventilation | Induction fans & CFD simulation

Extraction

Free air
Inlet from basement-1

Jet fan

Fire

Temperature (ºC)

Temperature (ºC)

Temperature (ºC)
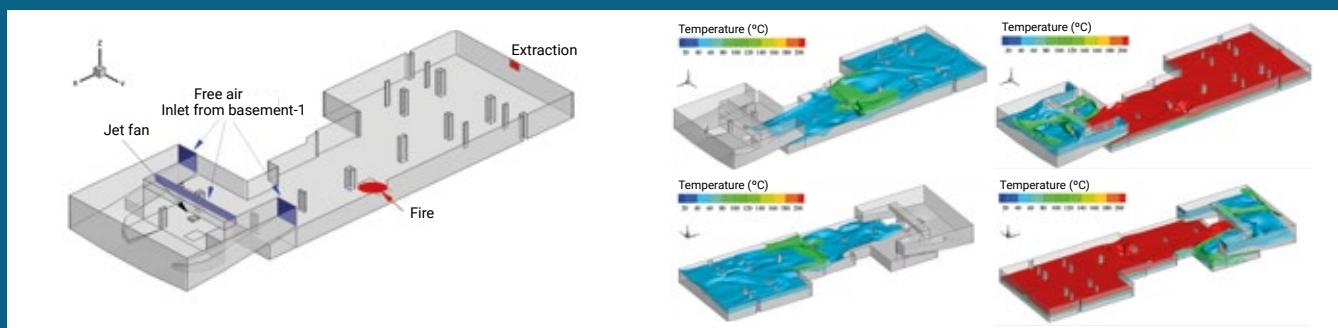
Temperature (ºC)

º Advice in the design of projects for parking ventilation and smoke control.

º Complete technical study with sizing calculations and equipment location diagrams.

º Validation of ventilation system, smoke behavior, temperature values, visibility, air speed, and CO concentrations.