

Centrifugal fans

CFi range



A range of high-performance fans suited to the most varied environments. Tailor-made designs to meet the requirements of your industrial process.

The CFi is suited to your clean or dusty air ventilation needs. The standardised design of centrifugal fans reduces manufacturing and delivery times. Yet the multiple design combinations of the CFi range can be adapted to meet your specific needs.

Centrifugal fans - CFi

Several configurations are therefore possible: 3 impeller widths, 6 blade types, 14 orientations every 45°, welded or bolted construction, painted, stainless and hot-dip galvanised steel finish.

Validation by FEA calculation and real-life testing

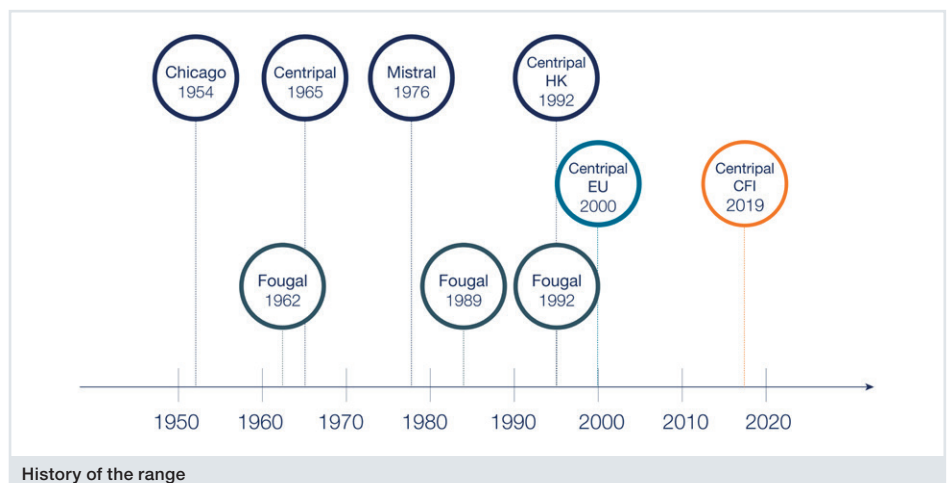
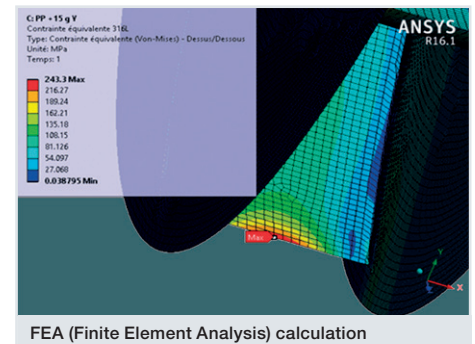
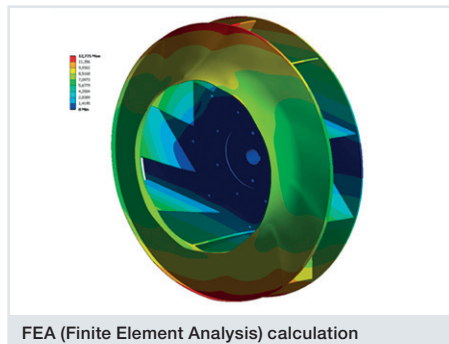
With 100 years of experience, the CFi brings together proven know-how in terms of reliability, efficiency and acoustics to serve your needs. Our engineers and design resources have enabled us to develop a product suited to your requirements. We validate our developments through finite element analysis (FEA), laboratory and on-site tests conducted by our work and support teams.

History of the range

The CFi range is the result of genetic developments to meet constantly changing market needs. CFi, the name of this centrifugal range, means: Centripal Fougul iso.

The CFi range incorporates the design of the proven ranges of the Fougul family.

Performance per AMCA 210 and option for AMCA anti spark construction.





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Ventilation applications and functions

General ventilation

Extraction, fresh air inlet, filtration systems, etc.

Agriculture

Ventilation for silos, halls, dryers

Agri-food

Cooling fan, dryers, water extraction from raw materials

Wood - Papermaking

Cyclone blowers for dust removal and drying paper and wood in the manufacturing process

Paint booth

Quick-opening fans, oven agitators, manual booth extractors

Chemical

Blowers, extractors, fans for ATEX environment

Dust removal

Pressure or vacuum cyclones, blowers or extractors

Furnaces, burners

Combustion air for burners, agitators

Rail

Traction engine ventilation, braking rheostats, transformers, converters, etc.

Design

8 impeller widths (3 released in phase 1) *

6 types of blade depending on the fluid conveyed (D, B, P, L, S, T)

14 standard orientations, every 45°

Bolted or welded construction

Performance

Diameter: 12.4" to 35.4" **

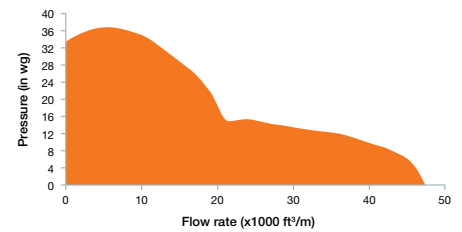
Flow rate: up to 47000 ft³/m **

Pressure: up to 36 in wg **

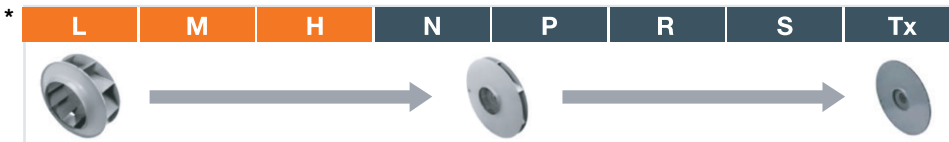
Efficiency: up to 83%

Temperature: -4°F to 660°F

Aeraulic curve **



** To be expanded soon.



Exploded view of the CFI

1. Casing mounting base
2. Intake assembly
3. Impeller
4. Casing
5. Inspection hatch
6. Stand
7. Motor

