

Press release
June 2017

ProtectONE® R

The smoke and heat exhaust born off the field



Wherever you are, in your office, at school, or in any public area, it's always essential to keep people safe from fire risks. Because fires are not only flames, it is smoke that harms most of the people evacuating and causes 80% of deaths during fires.

Exhausting smoke and heat from the very beginning of a blaze, Aldes solutions for fire protection guarantees a safe and breathable air so people could evacuate the building in complete unscathed and firemen can intervene.

Based on more than 30 years of expertise, Aldes, also French number one leader of fire protection, release a new range of smoke and exhaust fan : ProtectONE® R. Easy to install, easy to integrate and easy to adjust thanks to its unique built-in adjustment system, it brings up together simplicity and safety without compromise.

ProtectONE® R

Knowing the field main concerns, Aldes invent ProtectONE R, the very first smoke and exhaust fan that hold a built-in airflow adjustment system called ProtectONE Adapt.

The complete range is made of F400-120 fans. They resist during 120 minutes a temperature of 400°C and can extract up to 21,000 m³/h of smoke.

The range is:



Easier to adjust

Aldes designed the unique adjustment system ProtectONE Adapt which allows the easiest and safest airflow adjustment on site, exits the risk of noncompliance. Nobody will ever have to fiddle with sheet metal!

ProtectONE Adapt can lower airflow to reach the target:

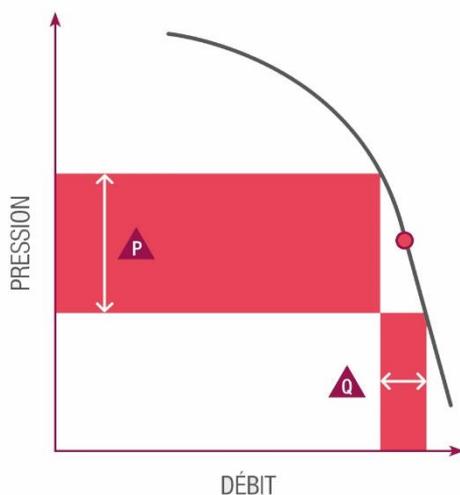
- A 6mm allen key is the only tool needed
- A bolting secure the setting (level 2 according to NFS 61933)

Easier to integrate

Compact, its design has been thought for a better integration in its surroundings.

Easier to install

ProtectONE R is entirely dismantlable as standard. Its modular faces allow a very simple connection with the ductworks.



It uses a **backward curve impeller and is direct-driven** which, is the optimal way to fit the regulatory and operational requirements. This technology guarantees less airflow drops aside from head loss variation. Its iso-power fan curve avoids overcurrent than could one and for all damage it.

Benefits: a steady airflow for a better result.

Conceptor Désenfumage

Concerned about helping professionals in their daily tasks, Aldes offers the most complete calculation software released on the market: Conceptor Désenfumage.

3 in 1, Conceptor helps for:

- Shutters selection: Range, options, technical data sheet, implementation methods
- Fans selection: operating point
- Ductworks conception and optimization: Graph displays, airflow calculation with its unique method including shutters leakages and head loss



OPTIMIZING BY ALDES

Practically, the securing of sizing consists on an oversized airflow to fit the real circumstances. To optimize its installation, the target must be to reach the regulatory airflow at every shutter.

1. It is nearly impossible to equilibrate all the shutters based graph calculation: It generates local massive gaps compared to regulatory airflows.
2. Conceptor Désenfumage allows you to reach that balance and the regulatory airflows thanks to its adjustable shutters display for instance. A little oversized flow is kept at every shutter, though.
3. ProtectONE Adapt system allows to reduce to airflow directly on site and with an unequaled facility

CARACTERISTIQUES TECHNIQUES

- 20 models from 500 m³/h to 22 500 m³/h
- Linear backflow or 90° backflow
- Backward curve impeller direct-driven for higher performances
- Class F electric motor, IP54
- 2 fan-speed, three-phase motor available from November 2017
- Built-in adjustment system
- CE 1812-CPR-1181 compliant Agréé EFECTIS F400-120 selon EN12101-3
- Fan compliant with ErP 2018
- NF (NF S61-937-1, NF S61937-9, NF 278) compliant safety box

More infos about ProtectONE® R

[CLICK HERE](#)

(<http://protectone.aldes.com>)



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