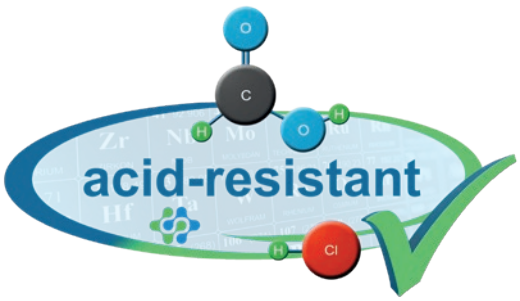
HLU®
Hürner Luft- und Umwelttechnik

HLU Plastic fans

chemically resistant
corrosion resistant
ATEX compliant



HF - Plastic centrifugal fans for conveying chemically aggressive exhaust air

HLU's plastic centrifugal fans are specially designed for conveying chemically aggressive exhaust air. Their distinguishing feature is their extreme resistance to corrosion. They also generate high volume flows and pressure differences with optimum efficiency. Centrifugal fans are the efficient "all-rounders" of plastic fans. HLU offers you the perfect solutions for your needs, from standard products to individual bespoke products.
For use in potentially explosive areas, all series are available in an explosion-proof version for zones 2 and 1 in accordance with ATEX.

HF R 15/17 | HF D 15/17
with EC motor

- ideal for energy-sensitive applications and modernisation measures

HF R 75/110

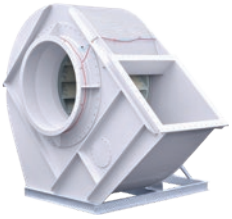
Volume flow	15 to 500 m³/h
pressure difference	max. 420 Pa
nominal diameters	75 and 110 mm

- low weight and compact dimensions ensure easy installation
- ideal for 24-hour exhaust air extraction from chemical storage cabinets

HF R 15/17

Volume flow	100 to 15.000 m³/h
pressure difference	max. 5.000 Pa
nominal diameters	from 125 to 500 mm

- ideal for extraction from fume hoods and chemical storage cabinets in laboratories
- also suitable, with optional accessories, for more demanding industrial applications, such as tank vapour extraction in the electroplating industry



HF R 13/16

Volume flow	3.000 to 250.000 m³/h
pressure difference	> 5.000 Pa
nominal diameters	from 160 to 1.600 mm

- ideal for extraction of collected exhaust air from large laboratories and in the chemical industry
- the wide range of possible materials for the housings and impellers means that they can be optimally configured to meet specific requirements

HF R 48

Volume flow	100 to 7.000 m³/h
pressure difference	max. 7.000 Pa
nominal diameters	from 50 to 200 mm

- ideal for applications with relieving hoods, multi-stage exhaust air purification, liquid baths and many special applications involving process exhaust air
- a wide range of materials for housings and impellers allows optimal configuration for specific requirements

HF - Plastic roof fans - reliable external ventilation

HF D 15/17

Volume flow 50 to 3.500 m³/h

pressure difference max. 1.400 Pa

nominal diameters from 110 to 315 mm

- ideal for extraction from fume hoods in buildings without a ventilation plant

HF D 16

Volume flow 500 to 8.000 m³/h

pressure difference max. 1.400 Pa

nominal diameters from 315 to 400 mm

- ideal for extraction from fume hoods in buildings without a ventilation plant

HF D 13

Volume flow 4.000 to 40.000 m³/h

pressure difference max. 1.000 Pa

nominal diameters from 500 to 1.000 mm

- ideal for collected exhaust air and direct indoor exhaust air without duct systems

HLU's roof fans are designed for vertical intake and installation outside the building. They can also be installed horizontally with the appropriate accessories. They are especially suitable for use in buildings without a ventilation plant and are used in laboratories (fume hoods), schools and research facilities, among others.

The exhaust air is blown vertically upwards, minimising the deposition of aggressive substances on the roof. The internal motor is separated from the air flow and therefore does not come into contact with the aggressive conveyed medium. Rainwater that falls into the discharge opening exits at the bottom of the housing, thus preventing water from entering the piping connected to the suction opening.

For use in potentially explosive areas, we can also supply the HF roof fans in an explosion-proof version for zones 2 and 1 in accordance with ATEX.

HF - Plastic axial fans - flexible even in the smallest spaces

HLU's axial fans are the perfect solution where there is limited installation space and ideal for applications with large air volumes at low pressures. They offer compact installation dimensions with high volume flow, and the suction and discharge openings can be built into the piping system in any position.

The internal motor is separated from the exhaust air flow to protect it from contaminated media. For use in potentially explosive areas, all axial fans are available in an explosion-proof version for zone 2 in accordance with ATEX.

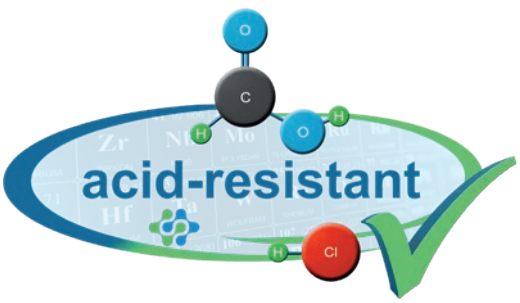
HF A

Volume flow 200 to 50.000 m³/h

pressure difference max. 500 Pa

nominal diameters from 200 to 1.000 mm

- can be used in all applications with large air volumes at low pressures
- ideal for bottle-cleaning systems in the beverage industry, laboratory exhaust air and all applications with short pipelines



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ISO 9001
Certified
Quality Management System
www.tuv-sud.com/ms-cert

www.hlu.eu

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