

**PRACTICAL ADVANTAGES:**

**TFV S Turbo fans**

Robust polyethylene housing

Double-flow radial fans with extra-large special axle

3 fan stages (TFV 30 S)

All internal components made of metal

Operation and storage at different angles possible

High energy efficiency equals high performance and low energy costs

Stackable (TFV 30 S)

Motor with high-quality bearings – no one-sided pressure on axle

**TFV S High pressure radial fans**

Splashproof design (IP 55)

Can be used in rooms with high levels of dust

Fan motor is situated away from main air stream

Can be used for ventilation using air transport hoses over long distances

Also available as especially mobile, stackable model to hire

# Turbo fans and high pressure radial fans in the TFV S series

Whether it's high flexibility or high pressure that you want – high mobility is what you get with the radial fans in the TFV S series...



## The TFV 10 S and the TFV 30 S Turbo Fans

These highly flexible fans deliver a stunningly convincing performance in every situation...

The housing of the compact fans is made of virtually indestructible polyethylene, which makes them light, robust and extremely flexible. Both appliances can be operated and stored at different angles. In addition, the TFV 30 S is stackable with a three-stage fan.

Its tight, compact form makes the TFV 10 S ideal for small or inaccessible spaces.

Both high-performance fans can be operated at three different angles 0°, 45° or 90° and retain a stable position at all 3 angles.



This unique combination – robust housing, high-performance motor, compact form, flexible operating positions and excellent price performance ratio – makes the TFV S series ideal as standard equipment for restoration and cleaning firms as well as builders and trade contractors.

The turbofans are especially well-suited for operation in carpet and cavity drying and water damage restoration, for example...

- drying of floors after maintenance cleaning
- ventilation of hollow floors in offices, gyms, bowling alleys etc.
- drying of ceilings with wooden beams, movable walls
- drying of screed and plaster

The TFV 100 S and the TFV 300 S high pressure radial fans are especially well-suited for a variety of ventilation applications.

You will find a list below showing typical air exchange rates for the most common applications to help you calculate your own particular capacity requirements quickly and comfortably.



### Ventilation capacities per hour

Type of space	Air replacement rate
Offices	4 - 8
Garages	4 - 6
Bars	10 - 12
Foundries	8 - 15
Canteens	6 - 8
Laboratories	5 - 15
Paint shops	20 - 50
Storage rooms	3 - 6
Machine rooms	15 - 30
Restaurants	6 - 10
Acid cupboards	40 - 50
Meeting rooms	5 - 10
Sport halls	2 - 3
Theatres	5 - 8
Workshops	6 - 10
Living areas	4 - 6

#### Ventilation guide...



**Air transport hoses**  
in various lengths and types...

... Keyword "Starting current"

You are looking for a solution for "blown fuses"?

You will find the solutions in the chapter "General accessories" in catalogue page 62...



## The TFV 100 S and TFV 300 S high pressure radial fans: Constantly high pressure – even over longer distances using air transport hoses

The TFV S high pressure radial fan is ideal for transporting air over long distances through hoses in order to provide proper ventilation for cleaning, restoration or redevelopment work.

The single-flow construction and the radial rotation principle not only make the fan impervious to polluted air with high levels of contamination, but also guarantee stable characteristic lines and unfailingly high pressure to ensure trouble-free operation.

Both models are equipped with both an intake and a discharge duct connections and are suited to a whole host of different applications.

### TFV 100 S combi-distributor for precision ventilation



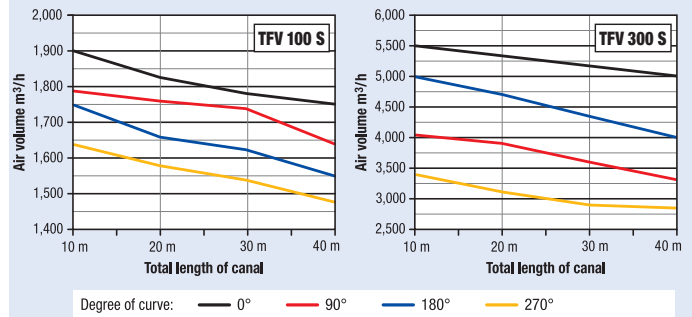
The combi-distributor, which is optionally available for the TFV 100 S, allows as many as 12 individual 38 mm hoses to be connected in order to provide optimal ventilation in various target areas.

### Also available to hire...

The TFV 100 S and the TFV 300 S high pressure radial fans are both optionally available as stackable models with a sturdy frame for frequently changing locations and for use in the hiring sector.



### TFV S performance characteristic line – air volume in relation to the length of canal and degree of curve:



The characteristic line will help you to find the right TFV S fan to suit your particular requirements.

Follow the instructions on page 31 in our catalogue and carry out your own individual capacity calculation. *There is also a calculation example to help you.*



Technical data	TFV 10 S	TFV 30 S	TFV 100 S	TFV 300 S
Article no.	1.510.003.010	1.510.003.030	1.510.003.100	1.510.003.300
Air flow rate	525 m³/h	2,050/2,850/3,500 m³/h	1,900 m³/h	5,200 m³/h
Air current	discharge	discharge / intake	discharge / intake	discharge / intake
Fan stages	1	3	1	1
Max. air pressure	80 Pa	500 Pa	1,200 Pa	2,000 Pa
Max. conveyance temperature	60 °C	60 °C	80 °C	80 °C
Input voltage	230 V/50 Hz (0.5 A)	230 V/50 Hz (5.2 A)	230 V/50 Hz (2.4 A)	230 V/50 Hz (9.56 A)
Required fuse protection	10 A	10 A	10 A	16 A
Power input	0.1	max. 1.2	0.55 kW	2.2 kW
Diameter air intake duct	–	–	200 mm	300 mm
Diameter air discharge duct	–	–	200 mm	300 mm
Sound level (distance 3 m)	61.5 dBA	73.5/80.8/86.2 dBA	70 dBA	88 dBA
Mobility	portable	portable	portable	wheelable
Dimensions L x W x H	300 x 275 x 330 mm	545 x 515 x 490 mm	500 x 580 x 840 mm	600 x 670 x 1,080 mm
Weight	3.75 kg	18.5	20 kg	45 kg
Protection class	IP 22	IP 22	IP 55	IP 55
Available accessories	–	–	TFV Combi-distributor	–
Optional accessories	–	–	Hiring model; wheelable and stackable frame; rubber-tyred transport wheels with parking brake	