

# EXHAUST EXTRACTOR



## HOSE RAIL **AFS**

### Exhaust fume rail for worksites with moving vehicles

The AFS is a simple solution for exhaust extraction from moving vehicles. It is equipped with a supporting steel profile with guide rail underneath.

The hose, horizontal to the rail, always has the diameter 160 mm. Vertical rubber hoses are available in the dimensions 100, 125 and 150 mm. The standard length is 5 m, longer hoses are available at 2.5 m intervals. The weight of the vertical hose is balanced through a balancing block with a wire of 4.2 m. Different nozzles are available, please see separate leaflet.

Use of the extractor system is facilitated by different automatic solutions, e.g. automatic disconnection of the exhaust fume nozzle.

The rail may be tilted 1.5% to get automatic return to starting position of the trolley.

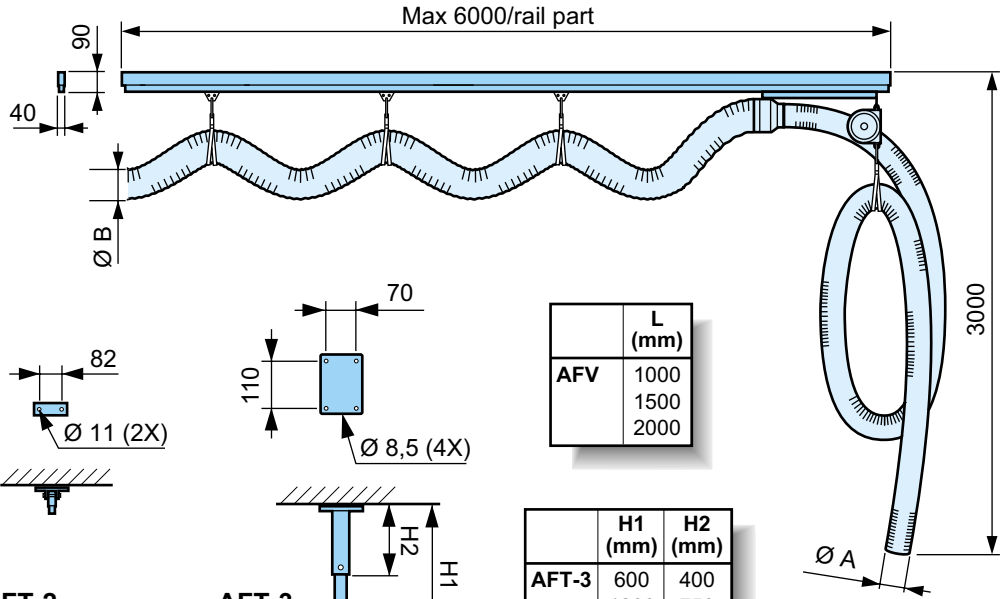
The extractor system can be connected to a separate fan or a central extractor system.

*The hose rail and other accessories can be found in the Fumex - Belima product range.*

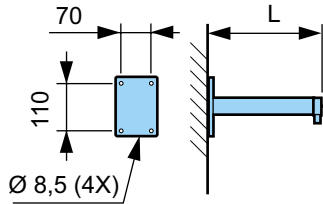
**FUMEX**<sup>®</sup>  
EXHAUST EXTRACTORS

**Pure advantage**

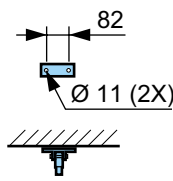
	ØA (mm)	ØB (mm)
AFS-100	100	160
AFS-125	125	160
AFS-150	150	160



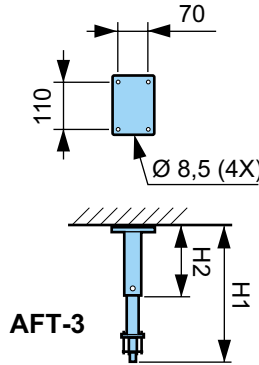
### Mounting brackets



AFV

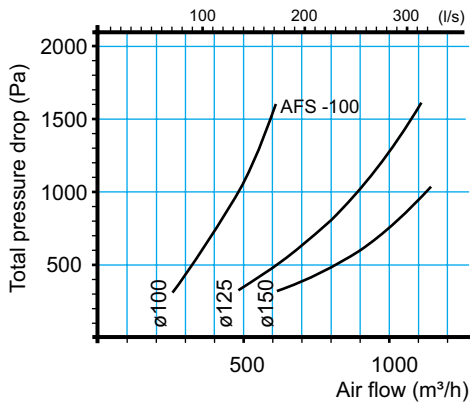


AFT-2

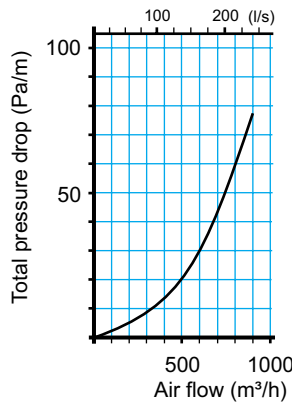


AFT-3

Pressure drop (completely unrolled hose, 5 m)



Pressure drop (rail hose/m)



Exhaust gas volume

Vehicle cylinder volume	1000 rpm 120°C	3000 rpm 180°C	6000 rpm 210°C
Car 2,0 l	100 m³/h	300 m³/h	600 m³/h
Car 3,0 l	150 m³/h	450 m³/h	900 m³/h
Car 4,0 l	200 m³/h	600 m³/h	1100 m³/h
Vehicle cylinder volume	500 rpm 120°C	1250 rpm 180°C	2500 rpm 210°C
Truck 8,0 l	170 m³/h	440 m³/h	880 m³/h
Truck 15,0 l	330 m³/h	825 m³/h	1650 m³/h
Truck 20,0 l	440 m³/h	1100 m³/h	2200 m³/h

Systems are normally designed for stationary vehicles, but the air flow should be selected higher than stated exhaust gas flow. The system as a whole should be designed for a somewhat higher load than stated by minimum requirements.

### Vertical hose between rail and car

EPDM/polyester heat-resistant rubberised fabric. Spring steel coil completely embedded in EPDM-coated reinforcement. The hose will reshape after compression.

### Rail hose

Heavy duty, reinforced thermoplastic foil hose with internal spring steel twin coil.

### Rail

6 m KKR-pipe 60x40 mm with draw rail 28x30 mm.

### Delivery design

The rail can be supplied complete with mounting brackets and trolley with 5 m hose suspended in balancing block for easy installation.

For automatics and nozzles, see leaflets *Accessories* and *Control units*.

### Hose

Qualities ..... Non-inflammable, suitable for exhaust fumes.  
 Temperature range ..... -40°C to +150°C  
 Max + 170°C for temporary exposure

### Balancing block

Qualities ..... Wire length 4,2 m. Can handle weights between 5-10 kg

### Other information

Surface treatment of metal .... Powder coating  
 Weight ..... 4,5 kg/m

