

## FIXED EXTRACTOR (FE) & (FEF)

### VEHICLE EXHAUST REMOVAL SYSTEM

The Fixed Extractor (FE) is a cost-effective single hose drop that removes vehicle exhaust from small workshops or where there is limited space. The FE can be located between two service bays so that one hose can serve both bays if necessary. The spring recoil balancer can pull the hose up and out of the way when not needed.

FE can be connected to either a central duct or an optional direct mount fan (FEF model).

**NOTE:** Hose and nozzle are additional components. Please refer to separate product data sheets for more information.

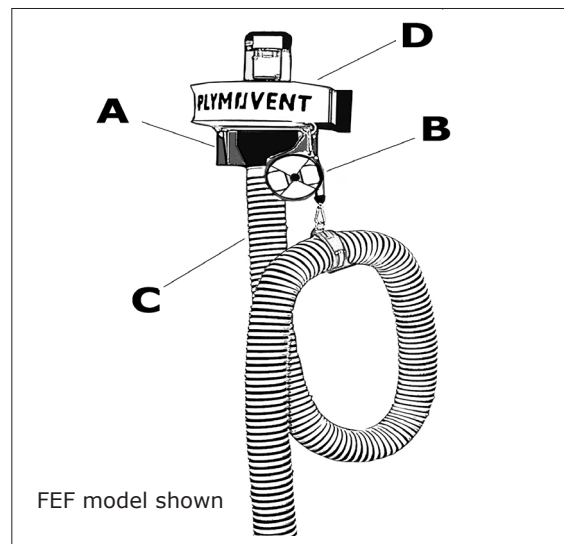
### APPLICATIONS

The flexibility of the hose enables the operator to position Fixed Extractor on any side of a vehicle. The hose retracts to reduce the risks of accidents or injuries.



### SPECIFICATIONS

■ Properties	
Recommended length	16 ft. (5 m)
Diameter	4-8 in. (100-200 mm)
Other hose lengths are available, depending on weight and length. Please contact your Plymovent authorized distributor for details.	
■ Weight	
Weight varies based on hose, tailpipe adapter and FE model selected.	
■ Installation	
Fixed Extractor (FE): connected to exhaust ductwork. Fixed Extractor with Fan (FEF): mounted to wall, ceiling or column.	
■ Temperature Range	
Hoses are available from 350°F (175°C) to 2010°F (1100°C). Contact Plymovent or your authorized distributor for selection and design data.	
■ Order information	
Article no.	Refer to Plymovent Price List
Number (package)	1



### CONSTRUCTION:

- A. Wall mount that makes hose easy to adjust to varied building types.
- B. Balancer assembly: weight spring tension balancer with a lifting capacity of 31 lbs (14 kg); keeps the hose in position when locked. Consult Plymovent balancer data for options.
- C. Optional hose and saddle.
- D. Spark-resistant fan and wall bracket (FEF model only).

**MODEL RANGE DATA**

Prod.no.	Hose diameter	Balancer	Lifting capacity	Cable length
FE-100	4 in. (100 mm)	BRL-350	11 lbs (5 kg)	11.5 ft (3,5 m)
FE-125	5 in. (125 mm)	BRL-350	11 lbs (5 kg)	11.5 ft (3,5 m)
FE-150-HD	6 in. (100 mm)	BRL-300-17	15 lbs (7 kg)	9.8 ft (3 m)
FE-200	8 in. (200 mm)	BRL-300-17	15 lbs (7 kg)	9.8 ft (3 m)

Note: When designing the FE hose drop, care must be taken to select the correct recoil balancer so that it can fully lift the exhaust hose and tailpipe adapter.

Select the balancer with a minimum lifting capacity that can recoil the amount of hose and tailpipe adapter being lifted.

If the weight of the hose, saddle and nozzle exceeds the minimum lifting capacity, Plymovent recommends the BRC-450 Balancer, which has a higher lifting capacity.

**ACCESSORIES**

**Hose Types:**

**EG2** - High quality fabric composite hose designed for exhaust gas temperatures of 350°F (177°C) continuous. Spike temperature capability: 400°F (205°C) .Recommended for areas that service cars and light trucks.

**EF2** - High quality fabric composite hose designed for exhaust gas temperatures of 570°F (300°C) continuous. Spike temperature capability: 660°F (350°C). Recommended for areas that service heavy trucks and off-road vehicles.

Other hoses are available. Consult Plymovent for additional data and details.

**Nozzles:**

See separate data sheet for nozzles.



**Fans:**

FUA-1800 and FUA-2700 fans available. Consult Plymovent for sizes and options.



**Micro Switch for Fan Start:**

Available when using the BRC-450 recoil balancer. Consult Plymovent or your authorized distributor for more.



**Fan Starters:**

SA-24, ES-90 or controller for fan, including magnetic coil contractors, overload, transformer and fuses. UL/CE/TCSA Listed.



**Motorized Dampers:**

Motorised damper, direct activated or via damper controller.



**Transformer TR-24:**

Transformer 115/230 to 24 volt to supply motor-driven dampers when no other control equipment is used.



**AIRFLOW VOLUME: GENERAL GUIDELINES**

Vehicles serviced	cfm (m³/h)	Hose diameter
Automobile	270-300 (460-510)	4 in. (100 mm)
Motorcycle	600-650 (1020-1105)	6 in. (150 mm)
Trucks (Public Works, Rental Fleets, etc.)	500-550 (850-935)	5 in. (125 mm)
Heavy Duty Trucks	650-800 (1020-1360)	6 in. (150 mm)
Off-Road (Constr., Compressor Tests, etc.)	1100-1400 (1900-2400)	8 in. (200 mm)

Note: These guidelines will vary based on types of vehicles and service work being performed. If the facility conducts Dyno Testing, CFM will vary based on types of vehicles and length of test period. Please refer to the Plymovent Vehicle Exhaust Extraction System Design Guide for more details.

**Plymovent Authorized Distributor:**

Product type	<b>FE™ and FEF™</b>
Article no.	see remaining specifications
Product category	hose reels
Version	220419/1

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