

EHC PORTABLE EXHAUST FUME FILTERS - P15



DESCRIPTION

Mount the P15 Filter on cars and light vehicles to reduce exhaust particles by up to 99 percent when driving short distances at slow engine speed indoors. The exhaust filters are mounted directly on the exhaust pipes of vehicles via suitable adaptor.

Along with soot, the filter separates mutagenic, carcinogenic and allergy producing substances found on the particles. The filter function is activated immediately when the engine is started, and provides maximum flexibility for indoor use.

FILTER UNIT & CARTRIDGE



TECHNICAL SPECIFICATION

Reduce particles > 99% including mutagenic, cancerous and allergy producing substances attached to the particles.

Engine Size	Max > 3.5 L
Max. Temperature	200°C
Filter Life	EHC P15 > 100 starts The lifetime is dependent on the engine size, engine type, usage and engine condition.
Weight	Complete - 0.4 kg

The P15 Filter complies with emission standards in COSHH (GB), TRGS 554 (D), VERT (CH), B272 and Tuv Nord nr. 0931TP00149.

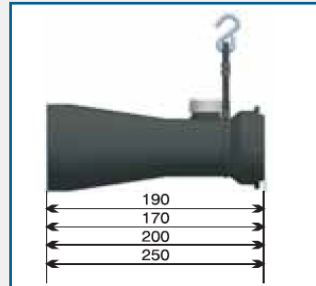
A P15 Filter Unit, Filter Cartridge & Connection adaptor is required. Match your exhaust diameter to suitable diameter adaptor. Use angled adaptor for a downward facing exhaust.

AES OFFER INSTALLATION AND SERVICE SUPPORT FOR ALL EQUIPMENT

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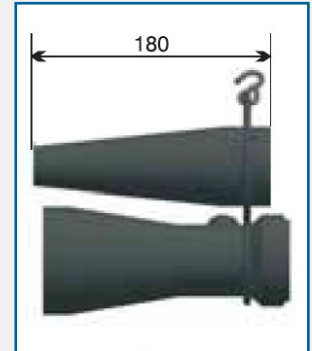
CONNECTION CONE

Ø45 - 25 mm
Ø70 - 35 mm
Ø100 - 50 mm



CONNECTION CONE WITH PLUG

Ø35 - 60 mm



CONNECTION CONE, ANGLE

Ø50 - 30 mm
Ø70 - 30 mm

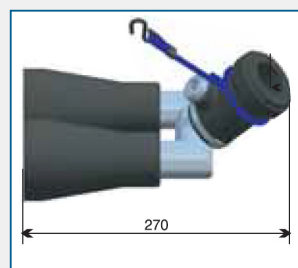


CONNECTION WITH BELLOW



CONNECTION CONE, DOUBLE

Ø45 - 25 mm
Ø65 - 35 mm



CONNECTION DOUBLE WITH BELLOW



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OPERATING INSTRUCTIONS - EHC P15

The P15 filter system is designed primarily to reduce the harmful emissions from engine exhausts.

The system consists of two parts, firstly the filter holder and secondly the adaptor. The filter holder consists of two parts, the body and the end cap. Inside the body is a disposable filter element which contains activated carbon granules.

The adaptor can be a high temperature rubber cone, a bellows type adaptor or a special adaption. Any adaptor is fitted to the filter body by way of a bayonet coupling. The adaptor is offered to the body and a simple $\frac{1}{4}$ turn locates and seals the adaptor. Before fitting the adaptor the inner sealing face on the filter body should be checked for signs of damage.

FITTING THE SYSTEM TO AN EXHAUST

Depending upon the type of adaptor used the following instructions are to be used as a guide. Cone type. Select a suitable sized cone to suit the exhaust tailpipe. Ensure that the adaptor and filter body are securely fitted together. Check that the service membrane is not broken, if it is the filter element requires changing –see service paragraph.

Push the filter and adaptor firmly onto the tailpipe using a slight twisting action. Check that the cone is firmly gripping the tailpipe. Attach the rubber string to a suitable point to either pull the adaptor onto the tailpipe or should the system become detached whilst moving the vehicle the string will prevent the system from being driven over.

The system is removed by releasing the rubber string and pulling the adaptor away from the tailpipe with a slight twisting action. Bellows type. Select a suitable sized bellows adaptor to suit the exhaust tailpipe. Ensure that the adaptor and filter body are securely fitted together. Check that the service membrane is not broken, if it is the filter element requires changing –see service paragraph.

Check that the tailpipe is not damaged and that there are no sharp edges to puncture the bellows. Push the filter and adaptor into the vehicle tailpipe as far as possible or until the complete bellows is covered. Check that the toggle switch is in the correct position for inflation. Inflate the bellows using the hand pump on the handle or if fitted the compressed air connection. Check that the adaptor is firmly attached to the exhaust. Secure the system to the vehicle using the rubber string.

The system is removed by releasing the rubber string and deflating the bellows by using the toggle switch. Remove the system from the tailpipe. Special adaptors. Instructions supplied with the adaptor should be consulted. For use on twin tailpipes. If the system is used on a vehicle with twin tailpipes sharing the same silencer a plug can be used to shut off the second pipe. If the vehicle has two separate exhaust systems i.e V6, V8, 2 separate filters should be used.

SERVICING THE SYSTEM

The element within the P15 system requires changing when the membrane indicator 'blows' or the element becomes saturated with liquid.

To change the element, simply remove the end cap from the filter body by twisting anti clockwise. Remove the element from the body and dispose of in normal waste. Insert new element with the open end facing into the body. Refit the end cap. Renew the membrane disc – supplied with new element, in the adaptor.

TECHNICAL SPECIFICATION

- Maximum engine size. 3.5 litre single exhaust, single filter. 7 litre twin exhaust, 2 filters.
- Maximum engine speed. 2500 rpm
- Weight 0.4kg
- Temperature. 200 °C
- Emission reductions. Particles >99%, CO ~ 30%, Nox ~ 60%, RC HO ~ 90%, HC ~ 35%.