



AUGUST, 1960.

LIST No. 113/1. (Issue No. 1).  
(Supersedes List No. 325)

## AIR FILTERS AND GRIT PROTECTORS

for

Motor Cycles, Scooters, Mopeds, Industrial and  
Stationary Engines, Etc.

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NOTE: Generally speaking, filters fitted to an engine previously tuned without a filter may require a reduction in main jet size.

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### TYPE 224 WITH METALLIC ELEMENT.

FOR CARBURETTERS WITH CHOKE BORE UP TO  $\frac{3}{4}$ " DIAMETER.



FIG. 1

**Attachment:** Split sleeve and clamp for pipe fitting  $\frac{15}{16}$ " diameter.

**Dimensions:** 3" diameter body  $\times$  2" overall length.

**Finish:** Cadmium plate lacquered.

**Cleaning:** Wash in petrol, dip in clean engine oil and allow surplus to drain off before refitting.

**General:** This filter incorporates an air strangler shutter (see index 7, fig. 1) drilled with a  $\frac{5}{32}$ " diameter hole to entrain sufficient air for cold starting purposes.

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### TYPE 310 WITH METALLIC ELEMENT.

FOR CARBURETTERS WITH CHOKE BORE UP TO  $\frac{1}{2}$ " DIAMETER.

**Note:** This filter is similar in appearance to Type 224 Filter (fig. 1).

**Dimensions:** 2" diameter body  $\times$   $1\frac{1}{16}$ " length overall.

**Finish:** Metallic Grey.

**Cleaning:** Wash in petrol, and allow to dry, before refitting.

**General:** This filter incorporates an air strangler shutter for cold starting purposes.

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### TYPE 388 WITH METALLIC ELEMENT.

FOR CARBURETTERS WITH CHOKE BORE UP TO  $1\frac{1}{16}$ " DIAMETER.

**Note:** This filter is similar in appearance to Type 224 Filter (fig. 1).

**Attachment:** Split sleeve and clamp for pipe or adaptor fitting  $1\frac{7}{16}$ " diameter.

**Finish:** Metallic Grey.

**Dimensions:**  $3\frac{1}{2}$ " diameter body  $\times$  2" overall length.

**Cleaning:** Wash in petrol, and allow to dry, before refitting.

**General:** This filter incorporates an air strangler shutter for cold starting purposes.

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## TYPE 34 WITH FELT ELEMENT.

RECOMMENDED FOR FOUR-STROKE TOURING MOTOR-CYCLES.

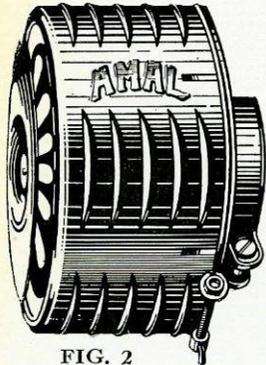


FIG. 2

**Attachment :** Split sleeve and clamp for pipe or adaptor fitting  $1\frac{1}{2}$ " diameter.

**Dimensions :** Long type 34/001.  $2\frac{3}{8}$ " diameter body  $\times$   $4\frac{1}{8}$ " overall length.

Short type 34/101. 4" diameter body  $\times$   $3\frac{1}{8}$ " overall length.

**Finish :** Black.

**Cleaning :** Remove felt element and shake out accumulated dust. If any moisture is suspected, the felt must be dried out. It is important that the felt be free of moisture and oil. In the latter occurring the felt should be renewed. The filter must be shielded from rain.

**General :** Type 34 filter can also be supplied fitted with gauze elements. Made in two sizes : 34/051 Long type. 34/151 Short type. For cleaning and general details, refer to foot of page 3.

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## TYPE 383 WITH PAPER ELEMENT.

AS USED ON AMAL CARBURETTERS TYPE Nos. 362 and 379.



FIG. 3

**Attachment :** By centre stud passing through the filter body and secured in the carburettor intake. The filter is located on the body of the carburettor by a slot in the filter body which is located with a tongue on the carburettor intake.

**Dimensions :**  $2\frac{3}{4}$ " diameter body  $\times$  4" overall length.

**Finish :** Cadmium plate lacquered.

**Cleaning :** When paper element is completely clogged, fit a new element.

**General :** The filter body incorporates a shutter type strangler for cold starting purposes. This strangler is knob operated.

The 383 type filter is designed primarily for use in conjunction with Amal type 362 and 379 carburetters, the filter body as illustrated (fig. 3) permitting a horizontal fitting to the carburettor air intake. This series of filter can also be supplied with a right angle body ; part No. 383/011, which enables the filter element and case to be fitted in a vertical position. This model also incorporates a shutter type strangler, knob operated, for cold starting purposes.

## TYPE 384 "OIL BATH" AIR FILTER.

AS USED ON AMAL CARBURETTERS TYPE Nos. 362 and 379 and

## TYPE 394 "OIL BATH" AIR FILTER

AS USED ON AMAL CARBURETTER Type No. 391.

ILLUSTRATION OF TYPE NO. 384 FILTER.



FIG. 4

**Attachment :** Types 384 and 394. By centre stud passing through the filter body and secured in the carburetter intake.

**Note :** It is essential that the filter body be supported by a strap attached to the frame or engine. The filter is located on the body of the carburetter by a slot in the filter body, which is located with a tongue on the carburetter intake.

**Dimensions :** Type 384. 3" diameter body  $\times$  4 $\frac{1}{2}$ " overall height.  
Type 394. 4" diameter body  $\times$  5 $\frac{1}{2}$ " overall height.

**Finish :** Filter top cover Black. Body natural.

**Cleaning :** Remove and wash in petrol the absorbent pad and gauze, also the top cover complete with metal wool element. Clean out filter body. Replace the absorbent pad and gauze. Pour oil into the filter body until the pad and gauze are just covered. Saturate the metal wool element in the top cover in oil and allow surplus to drain off. Replace the top cover, squeezing with both hands until it clicks into position.

**General :** Types 384 and 394 filter bodies incorporate a shutter type strangler, knob operated, for cold starting purposes.

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## TYPE 369 WITH CRIMPED FELT ELEMENT.

FOR AGRICULTURAL AND INDUSTRIAL ENGINES.

FOR CARBURETTERS WITH CHOKE BORE UP TO  $\frac{7}{8}$ " DIAMETER.

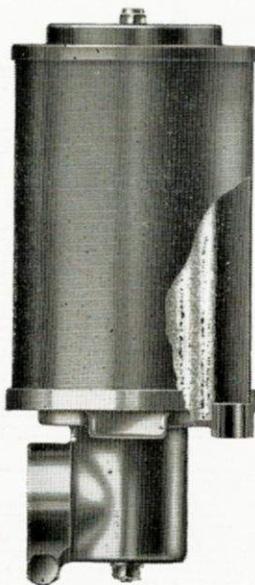


FIG. 5

**Attachment :** A clip bolt in the filter body secures the filter to the carburetter intake. Two models available :—

Type 369/1 to fit a 1 $\frac{1}{4}$ " diameter intake.

Type 369/2 to fit a 1 $\frac{3}{4}$ " diameter intake.

**Dimensions :** 3 $\frac{1}{2}$ " body diameter  $\times$  6 $\frac{1}{2}$ " overall height.

**Finish :** Body Grey painted. Canister Black.

**Cleaning :** Remove cover locknut and withdraw the cover case and felt element. Shake out felt element to clear it of accumulated dust. The element must be kept free of moisture, and if this occurs, it must be dried out. When, after prolonged use, the element becomes clogged with petrol/oil fuel (as used on two-stroke engines) a new element should be fitted.

**Note :** A clogged filter may cause a rich mixture and consequent loss of engine power.

# AMAL

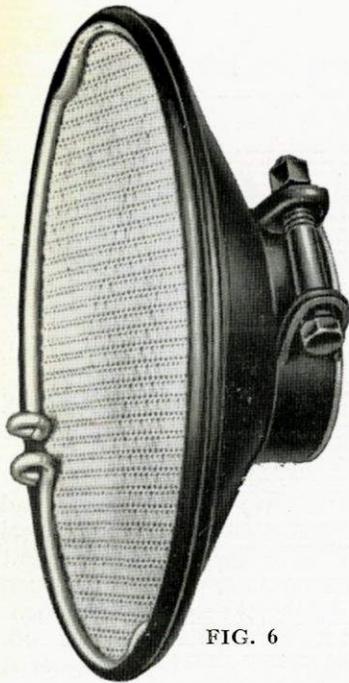


FIG. 6

## TYPE 395, WITH FINE GAUZE ELEMENT. FOR CARBURETTORS WITH CHOKE BORE UP TO $1\frac{3}{16}$ " DIAMETER.

**Attachment:** Split sleeve, clip and bolt for pipe or adaptor fitting,  $1\frac{7}{8}$ " diameter.

**Dimensions:**  $5\frac{1}{2}$ " diameter body  $\times$   $1\frac{3}{4}$ " overall length.

**Finish:** Black.

**Cleaning:** Remove spring clip. Take out gauze elements, wash in petrol, dry and replace.

## TYPE 30, with coarse gauze 3 disc element. FOR CARBURETTORS WITH CHOKE BORES UP TO $1\frac{1}{16}$ ".

**Dimensions:** Enlarged air funnel style.  $2\frac{7}{8}$ " diameter body  $\times$   $1\frac{3}{32}$ " overall length, with  $1\frac{1}{4}$ "  $\times$  24 thread.

Made in two models 30/109C and 30/330. With model 30/109C a screwed adaptor can be supplied on request to suit other carburettor intake fittings.

**Cleaning:** Wash out in petrol, dry, and replace.

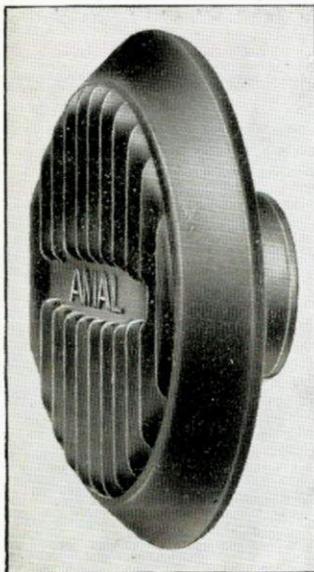


FIG. 7

## AIR FILTERS WITH FINE AND COARSE GAUZE ELEMENTS.

### TYPE 96, with fine gauze element (as illustrated in fig. 7).

#### FOR CARBURETTORS WITH CHOKE BORE UP TO 1" DIAMETER.

**Attachment:** Screwed adaptor fastened into filter.

**Dimensions:**  $4\frac{1}{2}$ " diameter body  $\times$   $1\frac{5}{8}$ " overall length.

**Cleaning:** Wash out in petrol, dry, and replace.

NOTE:—Screwed adaptors can be supplied where required except on Air Filter Types 369, 383, 384, and 394. When ordering please state Carburettor Type Number to indicate adaptor thread size.

**GUARANTEE.**—The Company take all possible reasonable care in the manufacture and the quality of their products. Purchasers are informed that, any part proved to be defective in manufacture or quality, and returned to the works within six months of its purchase new, will be replaced. The Company must respectfully point out however, that its responsibility and that of its agents, stockists and dealers, is limited to this Guarantee, and that they cannot under any circumstances, be held responsible for any loss or for any contingent or resulting liability arising through any defect. These conditions of sale and use also apply when the Company's products form part of the original equipment of machines purchased new.

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