

WARNING: If a saturated filter element is left in the housing for an extended period of time, a failure of the protective coating on the inside of the housing could occur. Do not exceed the maximum working pressure of 125 PSI!

C. REPLACEMENT FILTER ELEMENT

The correct replacement filter element for Air Filters is the M-723 Filter Element.

HOW TO REPLACE THE FILTER ELEMENT

1. Unscrew "T" handle and remove housing section.
2. Grasp the contaminated element by inserting the first two fingers of one hand into the core of the element. Place thumb on outer surface of element, and rock it sideways vigorously until loose. Lift element from housing section.
3. Remove large seal and wipe clean. Wipe out seal groove. Replace seal securely and evenly in groove. Wipe mating surface on top section.
4. Insert new M-723 element in lower housing section. Place thumbs on inner core of element and push element firmly into place.
5. Replace housing, engage threads, and draw housing sections together by TIGHTENING "T" HANDLE FIRMLY BY HAND.

To insure ease of element compression, periodically lubricate the thrust washer area and threads on stud with petroleum jelly or equivalent.

2 MINUTE SELF SERVICE



Model #	Description	Order #	Quantity	Weight
1. 103-15	"T" Handle	11020	1	2.02
2. 102-10	Thrust Washer, 1/4" W	22310	1	1.11
3. 104-10	Seal, Large, Buna-N	21560	1	1.02
4. 105-11	Bracket, Mounting (M-723)	10200	1	4.02
5. 110-20	Retaining Ring, SS	44510	1	1.02
6. 404-36	Core, Polypropylene	22235	2	1.02

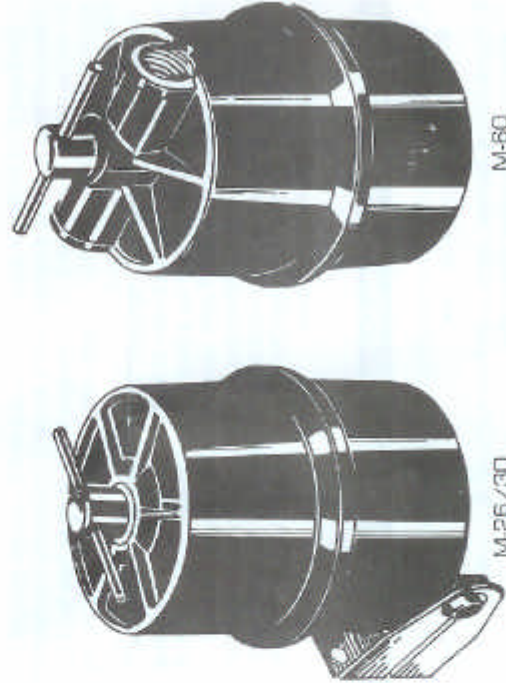
LIMITED WARRANTY

Motor Guard Corporation assumes the responsibility of providing customer and material that is free of defects in workmanship and material. Should this product fail due to a defect in workmanship or material, Motor Guard Corporation's sole obligation is to repair or at its option, replace the product without charge, other than the transportation charges, provided the product is returned to the factory, transportation prepaid, within one year of the date of purchase. Please contact Motor Guard Corporation for return authorization and shipping instructions. This warranty does not cover damage to the product through neglect, misuse, or accident, nor does it cover any loss, damage, or expense after a loss of time, or consequential damage from fire or lightning. This warranty is void if the product is altered in any way. Motor Guard Corporation makes no warranty, either written or implied, in connection with this product or appearing in literature relating to this product.

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MAINTENANCE & INSTALLATIONS INSTRUCTIONS

MODEL M-26, M-30 & M-60 COMPRESSED AIR FILTER



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GENERAL INFORMATION

Our sub-micronic compressed air filters have been designed to remove condensed moisture, oil aerosols, and particulates from compressed air lines... and will provide clean, DIL-FREE air required for critical industrial applications.

The filter should be installed as close as possible to the actual point of air usage, to supplement rather than replace existing driers, moisture traps, and filters... conventional equipment should remove most of the condensed moisture and large particulates from the air... and the Air Filter will remove essentially all oil aerosols, smokes, and any condensed moisture and particulates that might pass through the conventional equipment.

Typical industrial applications include paint spraying, plasma cutting systems, air drying, plating, pneumatic instruments and controls, air bearings, and food processing.

BASIC INDUSTRIAL APPLICATIONS

The Model M-26 Air Filter is recommended for use with the smaller, portable plasma cutting systems, and is equipped with a bracket to facilitate the installation of the filter on the rear or top panel of the plasma system. The M-26 Air Filter has a rated flow of 2,700 CFH, or 45 CFM, and is equipped with 1/4-18 NPT ports that match the fittings used on most plasma systems.

The Model M-30 Air Filter is recommended for use in the spray booth or at the work station and is equipped with a bracket to facilitate the installation of the filter at the point of use. The M-30 Air Filter has a rated air flow of 45 CFM, or 2,700 CFH, at 80 PSI, is equipped with 1/4-18 NPT ports that match most air hose applications.

The Model M-60 Air Filter is recommended for use at the wall drop and equipped with 1/2 inch ports for a direct in-line installation on rigid air lines. The M-60 Air Filter has a rated air flow of 100 CFM, or 6000 CFH, at 80 PSI, is equipped with 1/2-14 NPT ports that match most air line connectors.

RECOMMENDED LOCATIONS

- 1. Paint Spraying** - mount in the spray booth as a final stage of filtration, downstream of the reducer/separator.
- 2. Plasma Cutting Systems** - install on the top or rear panel of the system, downstream of the system air regulator.
- 3. Plating** - mount at the bench where parts are dried prior to plating or coating.
- 4. Instrumentation** - mount at the instrument panel.
- 5. Air chucks and tools** - install after the filter and regulator, but upstream of the lubricator.

INSTALLATION

1. Turn off air supply valve.
 2. Determine optimum mounting location.
 3. For Models M-26 and M-30 only:
 - a. Mount filter bracket using required fasteners (ref. illustration)
 - b. Install fittings (purchased locally) in the inlet and outlet of the filter.
 - c. Mount filter on bracket using bolts, nuts and washers supplied.
 - d. Connect air supply lines using appropriate fittings, hose, pipe, or tubing.
- For Model M-60 only:
- a. Install a quick-snap disconnect plug (purchased locally) into the inlet port of the air filter.
 - b. Install a quick-snap disconnect body (purchased locally) into the outlet port of the air filter.
 - c. Install the air filter in the outlet of the rigid air line that is adjacent to the point of air usage.
4. Install air shutoff valve (purchased locally) downstream of filter.
 5. Turn on air supply valve and check all connections for leaks.

MAINTENANCE

As the air filters are high-efficiency, absorbent-type, depth filters, periodic changes of the cellulose elements are required.

The effective life of the element will depend on the amount of moisture in the compressed air and the flow rate... and the element change interval will vary with each application.

A. DRY AIR CONDITIONS

When used on relatively dry compressed air, downstream of a desiccant or refrigerant drier, the element change interval should be several weeks... and it is recommended that the element be examined after two weeks of operation to determine the optimum change interval.

B. MOIST AIR CONDITIONS

When used on shop air without adequate drying equipment, the effective life of the element will be significantly reduced. Under these conditions the element should be checked twice per week until an optimum change interval is determined. The element will absorb approximately 6 to 8 fluid ounces of water... and the element should be changed before it becomes completely saturated.

NOTE: Under extremely moist conditions, where frequent filter element changes are required, we suggest that a manual drain water separator, with a minimum capacity of at least 8 fluid ounces, be installed immediately upstream of the filter. The water separator should remove most of the water, thus extending the effective life of the filter element.