

MOTOR GUARD CORPORATION

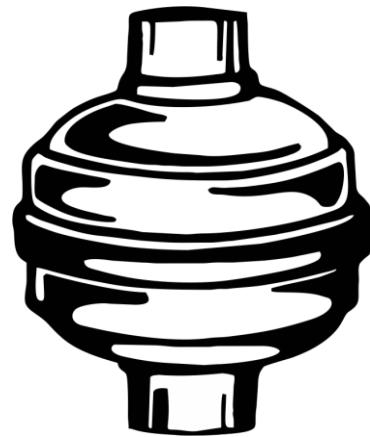
MODEL D-16 DISPOSABLE ACTIVATED CARBON FILTER

APPLICATION & FEATURES

This disposable filter has been designed to remove oil aerosols, smoke, noxious fumes, odors, and sub-micronic particulates from compressed air, gases, and vacuum lines and dissolved organic compounds from water. When used as an air filter, it should be installed as close as possible to the actual point of air usage, to supplement, rather than replace existing moisture traps, driers, and intercoolers. The conventional equipment should remove most of the contamination, and our filter will remove any contaminates that may have passed the conventional equipment.

The filter is bi-directional and will function equally well installed in either orientation.

Motor Guard Disposable Filters are intended to supplement, rather than replace conventional strainers, traps, filters and dryers. While conventional filters remove most contaminants, the Motor Guard Disposable Filter will remove contaminants that might pass through or enter the fluid stream between the conventional filter and the point of use.



SPECIFICATIONS

PHYSICAL DATA

Dimensions:	2.40 in Wide x 2.80 in Long (61 mm Wide x 71 mm Long)
Port Size:	1/4 NPT (F)
Construction:	ABS
Operating Weight:	1.5 oz. (43 g)

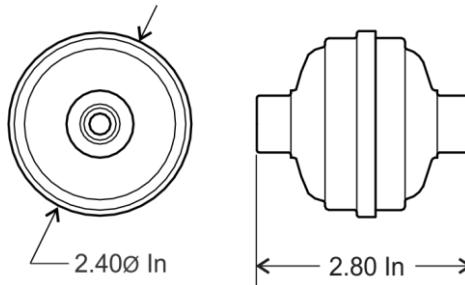
OPERATING DATA

Maximum Airflow Rate:	30 SCFM
Maximum Inlet Pressure:	100 PSI
Operating Temperature Range:	40 – 130 °F (4 – 55 °C)

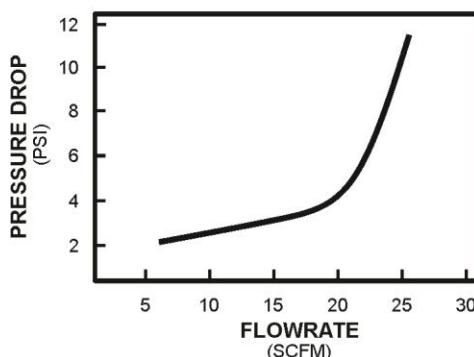
PERFORMANCE DATA

Nominal Filtration Rating:	.01 Micron
Pressure Drop at 15 SCFM Flowrate:	3 PSIG
Nominal Moisture Holding Capacity:	1.0 oz. (28 g)

DIMENSIONS



PERFORMANCE



INSTALLATION & OPERATION

WARNING: Shut off air/water supply and drain residual pressure before attempting to service any part of the fluid supply system!

INSTALLATION

Filter may be installed in either direction and should be installed as close as possible to the actual point of use, downstream of other filters and traps. In no case should the filter be installed within 20 feet of supply line length of the compressor. Failure to maintain this distance will cause excessive water vapor to pass through unit.

This filter is designed for installation on a 1/4 inch line, use appropriate fittings for installation on other line sizes. Do not apply thread sealing compound or Teflon tape to threads on filter or mating pipe as doing so can cause the fittings to crack during tightening. When installing filter, grasp the housing by hand and tighten in a clockwise manner. Do not use a vise, pliers or other mechanical means as doing so may damage the threads or housing, leading to injury.

On laboratory faucet applications, 1/4 NPT (M) x 1/4 IN Barbed fittings may be used with tubing.

After installation, pressurize slowly to avoid high-pressure surge. Check for leaks and re-tighten fittings as needed.

WARNING: Do not install this filter where pressures or temperatures can exceed those listed above.

OPERATION

Filter should be operated within the parameters listed above. During operation and before each use, inspect filter for signs of leaking or damage. Remove and discard filter immediately if any damage is noted.

WARNING: Do not clean with or expose the filter to solvents, ketones, etc. as use of such chemicals will adversely affect the filter housing and could lead to serious injury.

When used on a flexible air hose, keep hose free of snags as extra tension could lead to failure at the connection ports.

Filter should be replaced before the element has become saturated and will no longer trap contaminants. The following general guidelines may be used for the replacement interval:

Application	Replacement Interval
Heavy Daily Use on Dirty Fluid Systems	Daily
Moderate Daily Use on Average Fluid Systems	Weekly
Intermittent Use on Clean Fluid Systems	Monthly

Dispose of spent filter in accordance with local regulations.

LIMITED WARRANTY

Motor Guard Corporation assumes the responsibility of providing equipment that is free from defects in workmanship and material. Should this product fail due to a defect in workmanship or material, Motor Guard Corporation will repair or, at its option, replace the product without charge, other than the transportation charges, provided that 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 limited warranty does not cover damage to the product due to neglect, misuse or accident, nor does it cover any loss, damage or expense, either direct, indirect or consequential, arising from the non-function of this product. This limited warranty notice replaces any other warranty information, implied or otherwise, enclosed with this product or appearing in literature referring to this product.