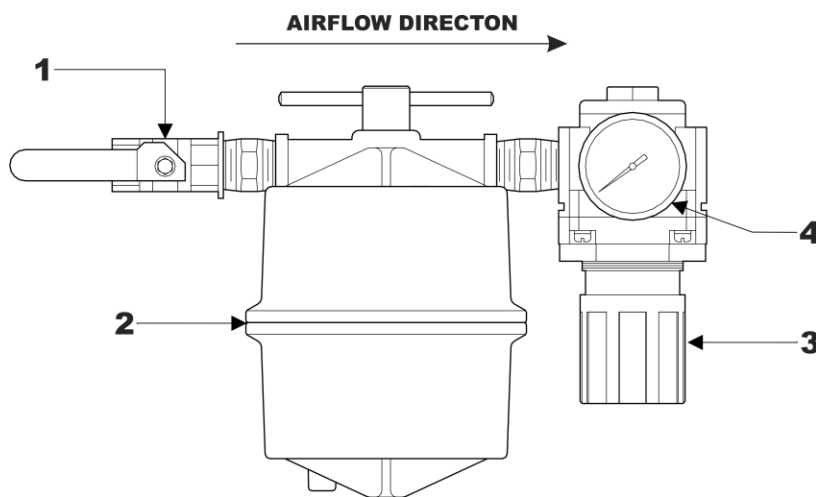


MOTOR GUARD CORPORATION

MODEL M-60R SUB-MICRONIC COMPRESSED AIR FILTER w/ REGULATOR

INSTALLATION

The Motor Guard M-60R combines a sub-micronic compressed air filter with a precision true-diaphragm regulator and gauge for a powerful point-of-use air preparation unit.



FEATURES

M-60 Sub-Micronic Compressed Air Filter designed for installation at to the point of use. Removes particulates, condensed moisture and oil aerosols down to an incredible .01 microns in size and absorbs large quantities of moisture and oil. Uses (1) **M-723** replacement element.

MHT-7300 High-capacity, true diaphragm regulator designed to set and hold pressure over a wide range of flows and conditions. High-visibility, multi-scale pressure gauge features a scratch and solvent resistant glass lens. Large, ergonomic adjustment knob locks to hold pressure setting.

SPECIFICATIONS

Port Size:	1/2NPT
Nominal Filtration Rating:	.01 Microns
Nominal Airflow Rating:	100 SCFM
Maximum Inlet Pressure:	125 PSIG
Outlet Pressure Range:	2-125 PSI
Operating Temperature Range:	40-120 °F

Install unit at or near point of use with at least 20 feet of supply line between unit and compressor. Failure to maintain this distance will cause excessive water vapor to pass through unit. Unit is designed for installation in a 1/2" line; use appropriate fittings for installation in other line sizes. Apply pipe thread compound to male thread connections. Before installing unit, relieve upstream pressure completely. Install unit level and in direction of airflow as noted. Unit should be mounted to a rigid structure and should not be supported by the supply line.

WARNING: This product is intended for use in industrial compressed air systems only. Do not install where pressures or temperatures can exceed those listed above.

Before pressurizing, be T-Handle is fully hand tightened by turning clockwise. Pressurize slowly to avoid high-pressure surge.

OPERATION

Open service valve (2) fully so that handle is parallel to inlet pipe. Turn knob on regulator clockwise to increase air pressure, counter-clockwise to decrease. To reduce pressure setting, first reduce pressure to a setting lower than desired, then increase to the desired setting. Push knob up firmly to lock and prevent accidental adjustment.

Inspect daily for leaks.

Regulator should be disassembled, cleaned and serviced periodically.

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MAINTENANCE

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

M-60 Sub-Micronic Filter

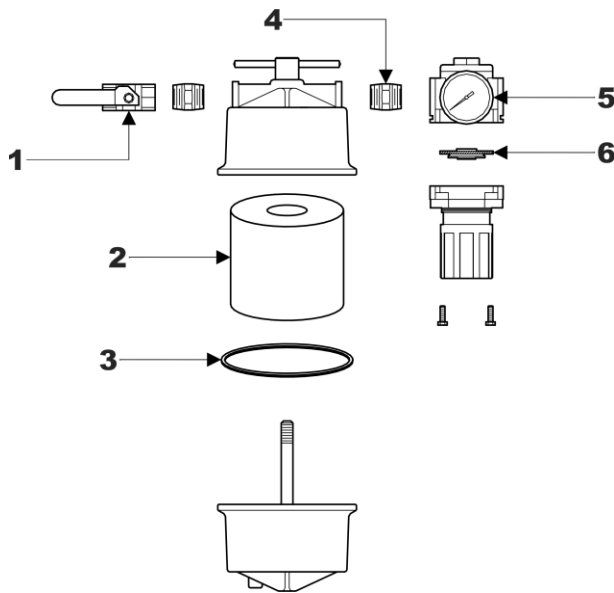
Element should be replaced when it becomes saturated with water or when desiccant cartridge is replaced. Remove filter bottom housing by turning t-handle CCW. Grasp element by hand and remove. Install new element. Wash sludge and sediment from housing with warm, soapy water. Inspect seal and replace if damaged or distorted. Reassemble housing, taking care not to damage threads. T-handle should only be hand tightened, do not use external leverage.

MHT-7300 Precision Air Regulator

On detection of air leaks, pressure fluctuation or pressure creep, depressurize system and remove bottom cap. Inspect valve seat for damage or wear. Inspect seat in head casting for foreign material or damage. Clean with kerosene and blow out with air. Replace any damaged parts.

If leak persists, remove bonnet and inspect diaphragm and seat for wear or foreign materials.

To replace diaphragm, remove four screws holding bonnet. Remove diaphragm and spring. Clean diaphragm seat and replace diaphragm and spring. Replace bonnet and reinstall screws. Tighten gradually and firmly.



Replacement Parts

Key	Part No	Description	Qty.
1	42687	Shut-Off Valve 1/2"NPT	1
2	M-723	Replacement Element Pk/4	1
3	106-10	Seal	1
4	42489	Nipple 1/2"NPT x CL	2
5	RG4045	Gauge, 0-160 PSI	1
6	RK7300	Diaphragm Kit	1
	12006	Mounting Bracket	2

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.