

## Coalescing Filter Model M00 With Variations and Accessories

### WARNING

#### DO NOT PLACE PLASTIC BOWL UNIT IN SERVICE WITHOUT METAL BOWL GUARD INSTALLED

Plastic bowl units are sold only with metal bowl guards except miniature models. To minimize the danger of flying fragments in the event of plastic bowl failure, the metal bowl guards should not be removed. If the unit is in service without the metal bowl guard installed, manufacturer's warranties are void, and the manufacturer assumes no responsibility for any resulting loss.

**IF UNIT HAS BEEN IN SERVICE AND DOES NOT HAVE A METAL BOWL GUARD, ORDER ONE AND INSTALL BEFORE PLACING BACK IN SERVICE..**

### CAUTION

Certain compressor oils, chemicals, household cleaners, solvents, paints and fumes will attack plastic bowls and can cause bowl failure. Do not use near these materials. When bowl becomes dirty replace bowl or wipe only with clean, dry cloth. Reinstall metal bowl guard or buy and install a metal bowl guard. Immediately replace any crazed, cracked, damaged or deteriorated plastic bowl with a metal bowl or a new plastic bowl and metal bowl guard.

#### Some of the materials that will attack polycarbonate plastic bowls.

Acetaldehyde	Chlorobenzene	Methylene chloride
Acetic acid (conc.)	Chloroform	Methylene salicylate
Acetone	Cresol	Milk of lime (CaOH)
Acrylonitrile	Cyclohexanol	Nitric acid (conc.)
Ammonia	Cyclohexanone	Nitrobenzene
Ammonium fluoride	Cyclohexene	Nitrocellulose lacquer
Ammonium hydroxide	Dimethyl formamide	Phenol
Ammonium sulfide	Dioxane	Phosphorous hydroxy chloride
Anaerobic adhesives and sealants	Ethane tetrachloride	Phosphorous trichloride
Antifreeze	Ethyl acetate	Propionic acid
Benzene	Ethyl ether	Pyridine
Benzoic acid	Ethylamine	Sodium hydroxide
Benzyl alcohol	Ethylene chlorohydrin	Sodium sulfide
Brake fluids	Ethylene dichloride	Styrene
Bromobenzene	Ethylene glycol	Sulfuric acid (conc.)
Butyric acid	Formic acid (conc.)	Sulphural chloride
Carbolic acid	Freon (refrig. & Propell.)	Tetrahydronaphthalene
Carbon disulfide	Gasoline (high aromatic)	Tiophene
Carbon Tetrachloride	Hydrazine	Toluene
Caustic potash solution	Hydrochloric acid (conc.)	Turpentine
Caustic soda solution	Lacquer thinner	Xylene
	Methyl alcohol	Perchloroethylene and others

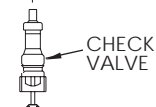
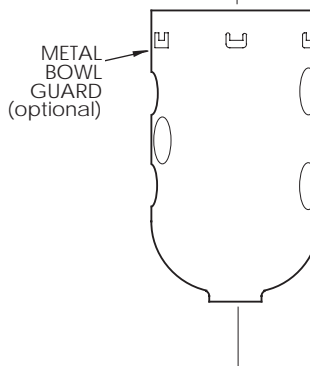
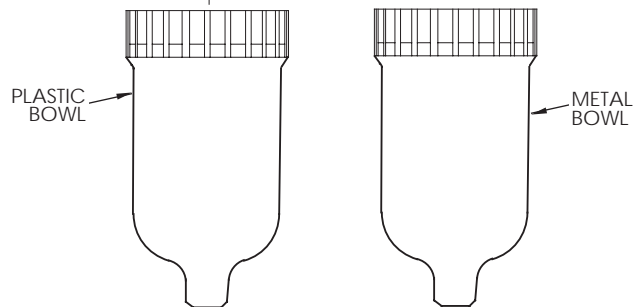
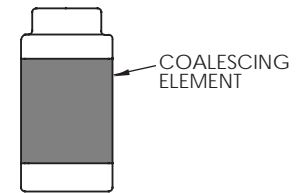
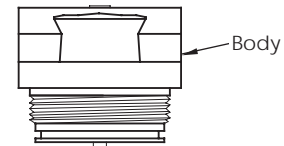
#### Trade names of some compressor oils, rubber compounds and other materials that will attack polycarbonate plastic bowls.

Atlas "Perma-Guard"	National Compound #N11
Buna N	"Nylock" VC-3
Cellulube #150 and #220	Parco #1306 Neoprene
Crylex #5 cement	*Permabond 910
*Eastman 910	petron PD287
Garlock #98403 (polyurethane)	Prestone
Haskel #568-023	Pydraul AC
Hilgard Co.'s hil phene	Sears Regular Motor Oil
Houghton & Co. oil#1120.#1130 & #1055	Sinclair oil "Lily White"
Houtosafe 1000	Stauffer Chemical FYRQUEL #150
Kano Kroil	Stilman #SR 269-75 (polyurethane)
Keystone penetrating oil #2	Stilman #SR 513-70 (neoprene)
*Loctite 271	Tannergas
*Loctite 290	Telar
*Loctite 601	Tenneco anderol #495 & #500 oils
Loctite Teflon-Sealant	Titon
Marvel Mystery Oil	*Vibra-tite
Minn. Rubber 366Y	Zerex

\*When in raw liquid form.

We cannot possibly list all harmful substances, so check with Mobay or the General Electric office for further information on polycarbonate plastic.

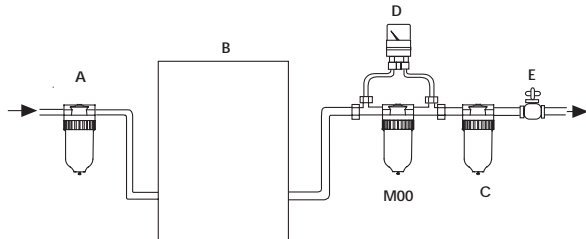
**EXCEPT** as otherwise specified by the manufacturer, this product is specifically designed for compressed air service, and use with any other fluid (liquid or gas) is a misapplication. For example, use with or injection of certain hazardous liquids or gases in the system (such as alcohol or liquid petroleum gas) could be harmful to the unit or result in a combustible condition or hazardous external leakage. Manufacturer's warranties are void in the event of misapplication, and manufacturer assumes no responsibility for any resulting loss. Before using with fluids other than air, or for non-industrial applications, or for life support systems consult manufacturer for written approval.



## INSTALLATION

1. Refer to the warning on front page.
2. Purge downstream air line of oil.
3. Install as close as possible to point where air is being used.
4. Install the unit with the air flowing through the body in the direction indicated by arrow on body.
5. Maximum inlet pressure and operating temperature ratings are: transparent plastic bowls, 150 psig (10,3 bar) and 125°F (51,7°C); metal bowl

## TYPICAL INSTALLATION



- A. PREFILTER-It is recommended that a 5-micron-rated prefilter, be installed upstream from the coalescer filter to prolong element life.
- B. AIR DRYER-(Refrigerated or Desiccant) An air dryer is generally preferred to optimum results, but is optional.
- C. OIL VAPOR FILTER- The Type D element is an adsorption type for removing oil vapors, oil-associated odors, whether petroleum base or synthetic base. Element service life is approximately 1200 hours.
- D. DIFFERENTIAL PRESSURE GAUGE-Maximum recommended pressure drop across coalescer filters is 10 psi (0,7 bar). This can be monitored by installing a differential pressure gauge.
- E. VALVE-Do not use a valve or shutoff device in conjunction with a coalescer filter that will allow a momentary or surge pressure drop greater than 50 psi (3,4 bar). To avoid high surges which can either ruin the element or momentarily allow downstream contamination, use a slow-opening type valve.

## MAINTENANCE

1. The element operates effectively when it is saturated. The element's useful life will end only when the resistance to flow becomes too high and the maximum permissible pressure is reached. The element cannot be cleaned or reused and must be replaced at the end of its useful life.
2. Drain the unit at least once per shift.
3. When bowl becomes dirty replace the bowl or clean by wiping with a clean, dry cloth.
4. Before placing the unit in service, make sure that the bowl and bowl guard are securely locked in place.

## REPAIR KITS AND REPLACEMENT PARTS

Element Type B .....	<b>MSP-95-991</b>
Element Type C .....	<b>MTP-95-547</b>
Element Type D .....	<b>MXP-95-054</b>
Plastic Bowl w/Check Valve .....	<b>GRP-96-310</b>
Metal Bowl with check valve .....	<b>GRP-96-506</b>
Metal Bowl Guard .....	<b>GRP-96-309</b>

## ACCESSORIES

Mounting Bracket .....	<b>GRP-95-754</b>
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