

## MODEL 9006 COALESCING OIL REMOVAL FILTER (.03 Micron) INSTALLATION AND MAINTENANCE

Bowl	Max. Pressure	Temperature range
Metal	250 psi	40°F to 175°F
w/Auto Drain	30 psi to 175 psi	40°F to 120°F

**WARNING!** For compressed air service only. Not to be used on life support systems or breathing air systems. Metal bowl sight is made of polyetherimide resin (Ultem) that will crack if exposed to solvents or oils containing ethyl acetate, methylenedichloride, methylethylketone, phenol, 1, 1, 2-trichlorethane, xylene, benzl alcohol, dichlorobenzene or any partially halogenated or aromatic hydrocarbons. For additional information regarding chemical compatibility please contact: General Electric Plastics, One Plastic Avenue, Pittsfield, MA.

### INSTALLATION

Install units so the air flow is in the direction as indicated on the head of the unit. Filter should be installed upstream of regulators. If an air dryer is being used, install the filter downstream from the dryer. In most cases, a particulate pre-filter with a 10 micron absolute element is recommended to greatly extend the life of the coalescer element. When the coalescer element becomes clogged with dirt, it must be replaced. If it is kept free from dirt, it will coalesce oil indefinitely. A pre-filter will remove water and dirt before it reaches the coalescer, and will reduce maintenance costs. The coalescer filter is then free to remove oil, oil vapors, and submicron sized particles without prematurely clogging with large particles of dirt and scale.

**WARNING!** Units are die cast aluminum or zinc, do not torque while installing. Also, pressurize unit slowly after installation of unit or new element to avoid damage to element.

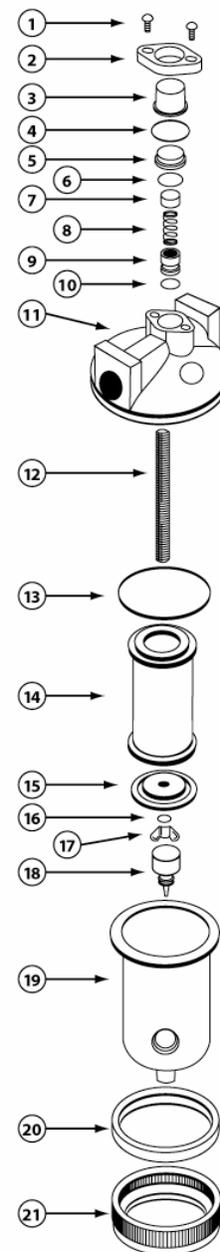
### OPERATION ADJUSTMENTS

If the filter is installed properly, it should give long trouble-free service. The pressure drop across the filter should not exceed 10 psi. If the pressure drop exceeds 10 psi, either the filter element needs to be replaced or the unit is being operated beyond its capacity and a larger size unit is required. Operating the filter at a pressure drop in excess of 10 psi will greatly reduce the efficiency of the filter. Internal float drain will automatically eject moisture at regular intervals. Do not permit the sediment to fill above the bottom cap.

If oil appears downstream: 1) check downstream air lines to be sure that they are free of residual oil; 2) check to see that the filter element and O-ring are in good condition and installed properly.

### **Internal Automatic Float Drain Model 5200**

Note: To be used for pressures from 30 psi to 175 psi and from 40°F to 125°F



Item	Description	Kit Number	Contents
14, 16	Element Kit	900564	Element, Gasket
(2) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 17, 18, 19, 20, 21	Rebuild Kit contains everything you need to rebuild except the Element, Gasket and Housing.	900593	Screws, Bracket, Sightglass, O-Ring, Sight Dome, O-Ring, Inner Cylinder, Spring, Outer Cylinder, O-Ring, Housing, Threaded Rod, O-Ring, Filter Element, Bottom Cap, Gasket, Wing Nut, Float Assembly, Bowl, Adapter, Bowl Ring

**Warning! Pressurize and depressurize this unit slowly. Failure to follow this procedure may rupture sensitive coalescing material.**

**For replacement or repair filter and regulator parts, contact EXAIR at 1-800-903-9247 or [techhelp@exair.com](mailto:techhelp@exair.com). Call (513) 671-3322 for outside the US and Canada.**

If you have any questions or problems, please contact an EXAIR Application Engineer at:

Toll Free: 1-800-903-9247 (U.S. and Canada)  
Telephone: (513) 671-3322 outside of U.S. and Canada  
Toll Free Fax: 1-866-329-3924 (U.S. and Canada)  
FAX: (513) 671-3363 outside of U.S. and Canada  
E-mail: [techhelp@exair.com](mailto:techhelp@exair.com)  
Website: [www.exair.com](http://www.exair.com)