SCOPE
This manual provides installation, operation and maintenance instructions for the Type 30/30A/30S/ Mooney® Filters. Instructions for the Flowgrid® regulator, FlowMax® regulator, and Pilot will be found in separate manuals.

PRODUCT DESCRIPTION
The Type 30/30A/30S/ Mooney® Filter is designed to remove dirt and other particulates in the pilot supply that could affect the restrictor or variable orifice in the pilot. The Filter can be used in a variety of other gas and liquid applications.

INSTALLATION
The following instructions apply to mounting the Type 30/30A/30S/ Mooney® Filter on the Flowgrid® regulator, FlowMax® regulator and connecting to the pilot system. Refer to the Flowgrid® regulator, FlowMax® regulator, and Pilot IOM manuals for installation instructions and start up procedures.

1. Personnel: Installation of the Filter should be made by qualified personnel familiar with high pressure piping and pilot operated regulators.

1. Prior Inspection: Inspect the Filter for any damage that might have occurred in shipping. Make sure the body ports are clear of foreign material.

3. Orientation; The Type 30/30A/30S/ Mooney® Filter should be installed with the Drain Plug down to allow drainage of liquids that may accumulate in the Filter Housing (Refer to Figure 2, page 2).

3. Filter Mounting: Apply pipe dope a 1/4 inch NPT schedule 80 seamless pipe nipple and mount filter by connecting the INLET connection on the filter to the body tap on the valve.

4. Filter Outlet: Run 3/8 inch tubing or 1/4 inch pipe from the filter OUTLET port to the INLET side of the restrictor in the pilot system of the regulator. The Type 30/30A/30S/ Mooney® Filter has tow OUTLET ports for ease of tubing. Block the other port with the plug provided.

NOTE: To avoid galling when stainless steel to stainless steel connections are made use a lubricant (such as NEVER SEEZ by Bostik). For best results LIGHTLY lubricate the female threads. Mixing the lubricant with pipe dope is also acceptable. Do not exceed more than 1/4 turn past the point the threads start to bind.
START UP OPERATION
The Type 30/30A/30S/ Mooney® Filter does NOT require any special start up procedures. Start up of the Mooney Filter should be made by qualified personnel familiar with high pressure systems and pilot operated regulators. Consult the instruction manual for the valve and pilot being used. Some valves and pilots can be damaged if not installed and put into operation correctly.

MAINTENANCE
Filter element is subject to plugging and must be inspected and replaced as necessary. The frequency of inspection and replacement of the filter element depends on severity of service conditions and the length of time in service.

**WARNING**
Before disassembly make sure the regulator and filter have been isolated from the process by closing block valves on the inlet and outlet sides of the regulator. Safety release pressure and process fluid from body and pilot system. Failure to properly complete these steps may result in personal injury and property damage.

![Diagram](image)

**Figure 2**

WARRANTY
Limited Warranty: Seller warrants title and that the goods manufactured by the Seller will be free from defects in materials and workmanship under normal use and service until the expiration of the earlier of twelve (12) months from the date of initial operation or eighteen (18) months from the date of shipment by Seller. Resale goods shall carry only the warranty extended by the original manufacturer to the original purchaser. If, within thirty (30) days after Buyer’s discovery of any warranty defects, Buyer notifies Seller in writing, Seller shall, at its option, promptly repair or replace F.O.B. point of manufacture, that portion of the goods found by Seller to be defective. Goods repaired and parts replaced during the original warranty period shall be in warranty for the remainder of the original warranty period. This warranty is the only warranty made by Seller and can only be amended by a written instrument signed by an officer of Seller. Subject to this warranty and except as expressly provided IN SALES LITERATURE, GE MOONEY CONTROLS, GE, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, OR ANY OTHER MATTER WITH RESPECT TO ANY OF THE PRODUCTS.

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### PARTS LIST

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