

**⚠ WARNING**

To avoid unpredictable system behavior that can cause personal injury and property damage:

- Disconnect electrical supply (when necessary) before installation, servicing, or conversion.
- Disconnect air supply and depressurize all air lines connected to this product before installation, servicing, or conversion.
- Operate within the manufacturer's specified pressure, temperature, and other conditions listed in these instructions.
- Medium must be moisture-free if ambient temperature is below freezing.
- Service according to procedures listed in these instructions.
- Installation, service, and conversion of these products must be performed by knowledgeable personnel who understand how pneumatic products are to be applied.
- After installation, servicing, or conversion, air and electrical supplies (when necessary) should be connected and the product tested for proper function and leakage. If audible leakage is present, or the product does not operate properly, do not put into use.
- Warnings and specifications on the product should not be covered by paint, etc. If masking is not possible, contact your local representative for replacement labels.

**⚠ CAUTION**

Polycarbonate bowls, being transparent and tough, are ideal for use with Filters and Lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, nor temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydrocarbons, ketones, esters and certain alcohols. They should not be used in air systems where compressors are lubricated with fire-resistant fluids such as phosphate ester and di-ester types.

Metal bowls are recommended where ambient and/or media conditions are not compatible with polycarbonate bowls. Metal bowls resist the action of most such solvents, but should not be used where strong acids or bases are present or in salt laden atmospheres. Consult the factory for specific recommendations where these conditions exist.

**TO CLEAN POLYCARBONATE BOWLS USE MILD SOAP AND WATER ONLY! DO NOT** use cleansing agents such as acetone, benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

Bowl guards are recommended for added protection of polycarbonate bowls where chemical attack may occur.

**Introduction**

Follow these instructions when installing, operating, or servicing the product.

**Application Limits**

These products are intended for use in general purpose compressed air systems only.

**Maximum Recommended Pressure Drop:**

	kPa	PSIG	bar
Particulate Filter	70	10	0.7

**With Plastic Bowl**

	kPa	PSIG	bar
Operating Pressure Maximum	1034	150	10.0
Operating Temperature Range	4°C to 49°C (40°F to 120°F)		

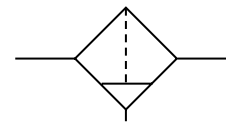
**With Zinc Bowl**

	kPa	PSIG	bar
Operating Pressure Maximum	2068	300	21.0
Operating Temperature Range	4°C to 66.0°C (40°F to 150°F)		

**With Zinc Bowl with Wrap Around Sight Gauge**

	kPa	PSIG	bar
Operating Pressure Maximum	1723	250	17.0
Operating Temperature Range	4°C to 49°C (40°F to 120°F)		

**ANSI Symbols**



**Filter  
w/Manual Drain**

**⚠ WARNING**

**FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.**

This document and other information from The Company, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application, including consequences of any failure and review the information concerning the product or systems in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by The Company and its subsidiaries at any time without notice.

**EXTRA COPIES OF THESE INSTRUCTIONS ARE AVAILABLE FOR INCLUSION IN EQUIPMENT / MAINTENANCE MANUALS THAT UTILIZE THESE PRODUCTS. CONTACT YOUR LOCAL REPRESENTATIVE.**

**Installation**

Before installing, blow out pipe line to remove scale and other foreign matter. This unit has DRYSEAL pipe threads; use pipe compound or tape sparingly to male threads only. Install units in pipe line so that flow is in direction indicated by arrows on faces of body. Install as near as possible to equipment being serviced.

**Maintenance**

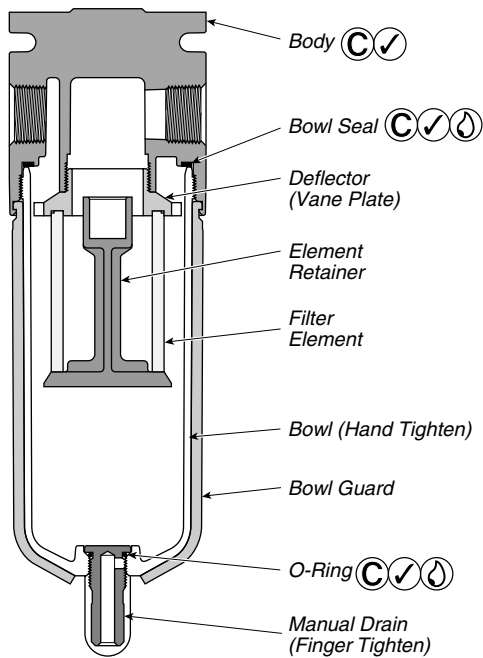
To maintain maximum filtering efficiency, and to avoid excessive pressure drop, the filter must be kept clean. On standard filters, open drain cock (turn clockwise) periodically and drain off any bowl accumulation before it reaches level of lower baffle. Bowl drainage is automatic in the "Auto Drain" model; however, manual draining can also be done. A visible coating of dirt or condensate on the filter element surface, or an excessive pressure drop, is an indication that cleaning is necessary.

**Cleaning**

To clean, it is not necessary to remove filter from the line. Disassembly is simple and does not require tools. Use the drawing on the reverse side of this sheet as a guide. Before disassembly, shut off air supply and depressurize filter. Clean all parts, except plastic bowl, with alcohol and blow out filter body before reassembly. Wash filter element in alcohol and blow out from the inside. Plastic bowls must be cleaned with household soap only.

**"Auto Drain" Operation**

Auto Drain filters are equipped with a float actuated device which automatically ejects liquid contaminants. If supplied in Kit Form, Part No. RK602MD, the Auto Drain can be installed by simply removing the bowl and then the bowl draincock. Insert the Auto Drain in place of the removed draincock and reassemble the unit in reverse order.



**Kits Available**

Description	Product Number	Bowl Type
Bowl Kits*		
Polyurethane	BKF55B	B
Zinc	BKF55D	D
Zinc with Wrap Around Sight Gauge	BKF55W	W
Element Kits		
5 Micron	EK55G	B, D, W
40 Micron	EK55J	B, D, W
Repair Kit (Deflector, Element Retainer)	RKF55	B, D, W
Auto Drain Repair Kit (Float Assembly, Body O-Ring, Disc Assembly, Lever Pin, Piston "V" Seal, Body "Y" Seal, Top Retaining Ring, Bottom Retaining Ring, Filter Screen, Strainer)	RK602MD	B, D, W

\* Bowl Kits include bowl gasket.

- (D) Lightly grease with provided lubricant.
- (✓) Inspect for nicks, scratches, and surface imperfections. If present, reduced service life is probable and future replacement should be planned.
- (C) Clean with lint-free cloth.

