
 **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.

 **WARNING**

Product rupture can cause serious injury.
 Do not connect regulator to bottled gas.
 Do not exceed maximum primary pressure rating.

Safety Guide

For more complete information on recommended application guidelines, see the Safety Guide section of Pneumatic Division catalogs or you can download the **Pneumatic Division Safety Guide** at: www.parker.com/pneumatics

 **CAUTION**

Polyurethane bowls, sight glass and sight domes on these units may be attacked by certain chemicals. Never use solvents like carbon tetrachloride, trichlorethylene, acetone, or paint thinner to clean any parts. These elements can cause crazing or failure of the plastic parts. The polyurethane resin parts are compatible with most hydrocarbon based synthetic lubricants but, before using, check with the manufacturer of the lubricant or oil for compatibility with polyurethane resin.

TO CLEAN POLYURETHANE BOWLS USE MILD SOAP AND WATER ONLY!

Introduction

The F75 air filters remove impurities from the air stream two ways — dynamically by centrifugal force, by which the deflector throws out heavier particles and entrained water, and statically through the filter element itself, which filters out the smaller particles. The F75 filter provides enough filtration for most pneumatic applications. However, in situations where water and/or oil aerosols must also be filtered out, an F71 coalescing filter should be installed also. Follow these instructions when installing, operating, or servicing the product.

Application Limits

These products are intended for use with compressed air in industrial applications. For other applications, consult factory before use.

Maximum Recommended Pressure Drop:

	kPa	PSIG	bar
Particulate Filter	70	10	0.7

With Polyurethane Bowl with Polyethylene Bowl Guard

	kPa	PSIG	bar
Operating Pressure Maximum	1034	150	10.2
Operating Temperature Range (40°F to 120°F)			4°C to 49°C

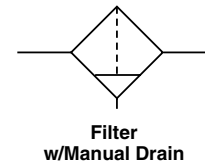
With Metal Bowl

	kPa	PSIG	bar
Operating Pressure Maximum	2068	300	21.0
Operating Temperature Range (40°F to 180°F)			4°C to 82°C

With Metal Bowl with Wrap Around Sight Gauge


	kPa	PSIG	bar
Operating Pressure Maximum	1723	250	17.0
Operating Temperature Range (40°F to 150°F)			4°C to 66°C

ANSI Symbols



Installation

All FRL components are individually tapped (NPT or BSPP) to allow direct mounting to piping. Also, each component comes equipped with the necessary screws and O-rings to enable connection to other components of the same series without the need for pipe nipples or special adaptors. Before installing,

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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.

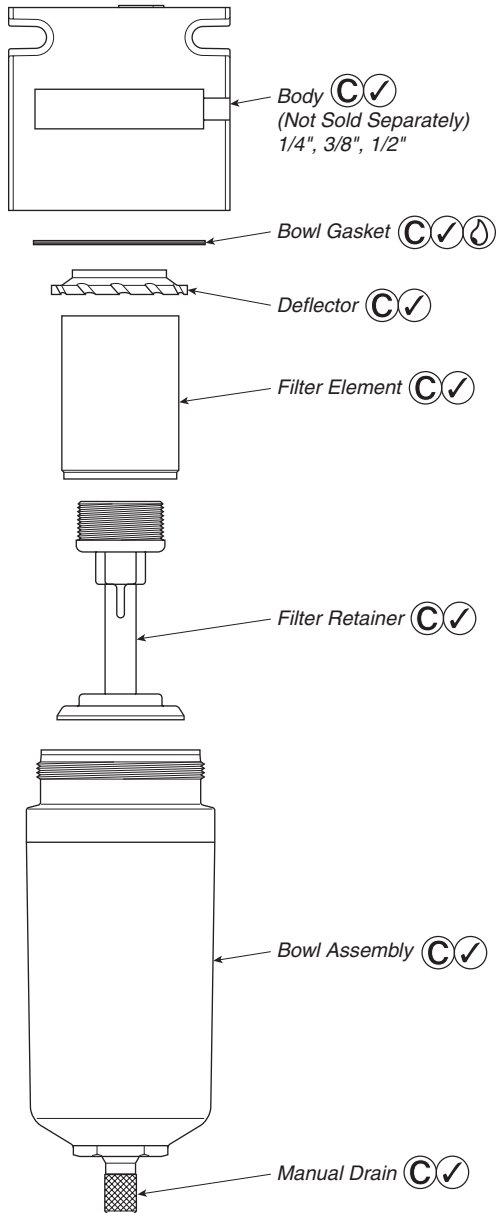
EXTRA COPIES OF THESE INSTRUCTIONS ARE AVAILABLE FOR INCLUSION IN EQUIPMENT / MAINTENANCE MANUALS THAT UTILIZE THESE PRODUCTS. CONTACT YOUR LOCAL REPRESENTATIVE.

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 serviced.

Maintenance

To maintain maximum filtering efficiency, and to avoid excessive pressure drop, the filter bowl and element must be kept clean. Turn drain valve clockwise, from bottom, to drain any bowl accumulation before it reaches level of lower baffle. To aid in the draining of the bowl, an internal automatic drain (PN SAF105MD) may be installed to automatically drain bowl accumulation. A visible coating of dirt or condensate on filter element, or an excessive pressure drop, indicates cleaning is necessary.

⚠ CAUTION: FILTER BOWL MUST BE CLEANED WITH HOUSEHOLD SOAP ONLY!



- 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.
- Clean with lint-free cloth.

Service Kits / Parts Available

Description	F75, 1/4", 3/8", & 1/2"
Bowl Gasket	GSK-F55-1011
Deflector	F55-0751P
Filter Element "G" - 5 μ "J" - 40 μ	EK55G EK55J
Filter Retainer	F55-0491P
Bowl Assembly "B" - Polyurethane w/Polyethylene Bowl Guard, 150 PSI Maximum Pressure "D" - Zinc Bowl, 300 PSI Max. Pressure "W" - Zinc Bowl w/Wraparound Sight Gauge, 250 PSI Maximum Pressure	BKF55B BKF55D BKF55W
Manual Drain	SA600Y7-1
Repair Kit for All Internal Auto Drains	RK602MD/M4

Accessories

Description	Part Number	Bowl Type
Internal Automatic Drain Plastic ("R" Option, 175 PSI Max. Pressure) Brass ("RX77" Option)	SA602MD SA605MD	B, D B, D
Brass ("R" Option, 175 PSI Max. Pressure)	SAF105MD	W
Wall Mount Bracket	SAR55Y57	—

