

DESCRIPTION

This series of Alemite air filter/moisture separators is designed to automatically remove condensate and air-borne foreign matter from air lines by way of filtration and centrifugal action. All models are fitted with filter elements and die cast zinc bowls with sight glasses. These filters are provided with a manual drain valve, and can be easily converted to an auto-drain function by installing a simple conversion component. (See Figure 2)

INSTALLATION

Before installing the filter, blow out the pipe line to be filtered, removing scale and other foreign matter.

NOTE: Apply pipe-thread sealant to the male threads of the pipe connections. Do not allow sealant on the first two threads.

Install the filter with the bowl vertical and below the pipe line. Be sure pipe connections to the filter are made so air will flow in the direction indicated on the filter body. Place the filter as near as possible to the equipment being serviced and upstream of any regulators, line lubricators, etc.

CAUTION: With Auto Drain accessory, filters have a minimum pressure of 30 psi and a maximum pressure of 175 psi. Also, maximum operating temperature is 120° F.

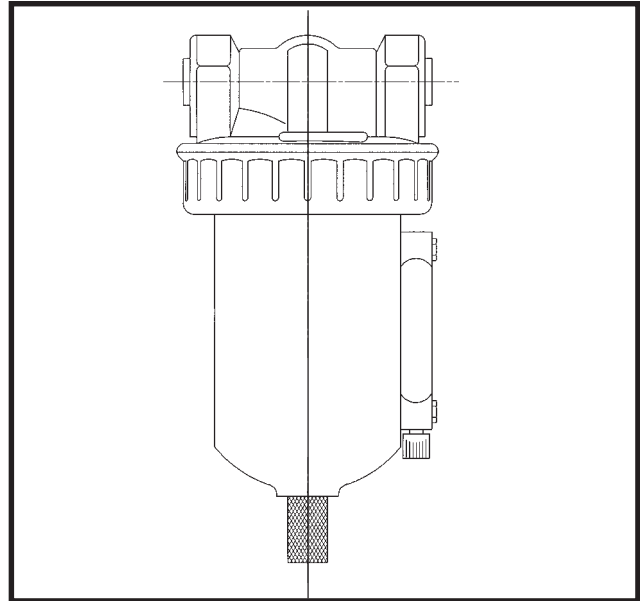


Figure 1: Model 5604-2 Air Filter/Moisture Separator

MAINTENANCE

To maintain maximum filtering efficiency and to avoid excessive pressure drop, these filters must be kept reasonably clean. A visible coating or film on the filter element (dirt or condensate) or an appreciable pressure drop is an indication that cleaning is needed.

SPECIFICATION CHART

Model Number	Air Inlet and Outlet	Operating Range with 100 psi (5 psi drop)	Filter Ratings (Microns)	Maximim Pressure (psi)	Bowl Capacity (Oz)	Maximim Operating Temp. (F)	Automatic Drain
5604-2	1/4 "	0-50 scfm	40	250	5	250	No
5606-2	3/8 "	0-60 scfm			5		No
5608-2	1/2 "	0-105 scfm			8		No
5612-2	3/4 "	0-270 scfm			16		No
5616-2	1 "	0-350 scfm			16		Yes
5644-1	1/2 "	0- 50 scfm			16		Yes

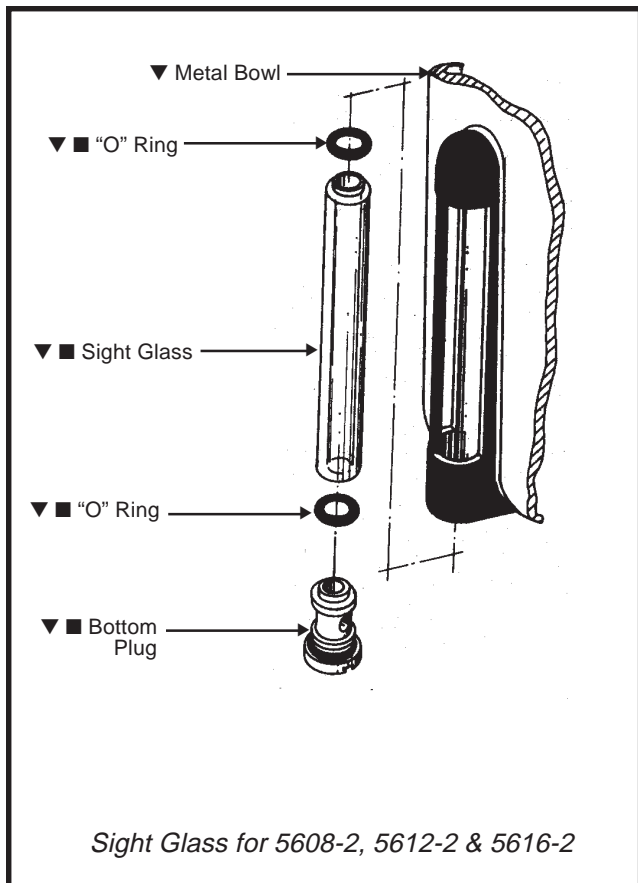
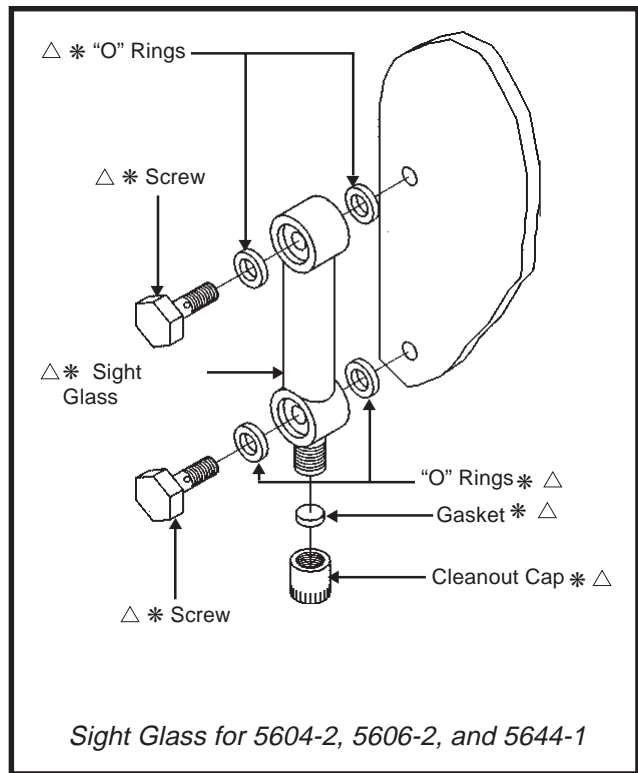
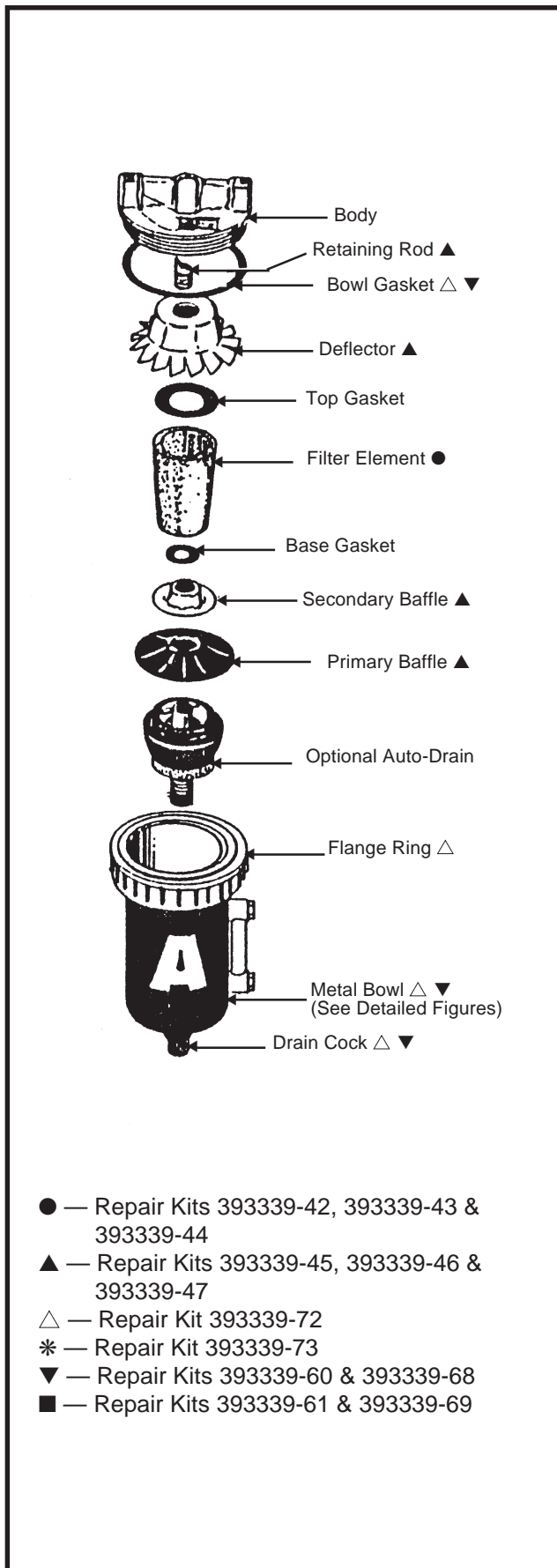


Figure 2: Air Filter Parts

Repair Kits For Models 5604-2 and 5606-2

● **393339-42 For Filter Element**

40 Micron Filter Element

▲ **393339-45 For Baffle Repair**

Deflector
 Secondary Baffle
 Retaining Rod
 Primary Baffle

△ **393339-72 For Bowl & Sight Glass**

Bowl Gasket
 Bowl with Sight Glass Assembly
 Drain Cock
 Flange Ring

* **393339-73 For Sight Glass**

Sight Glass Assembly with Cleanout Cap
 "O" Rings (4)
 Screws (2)

Repair Kits For Model 5608-2

● **393339-43 For Filter Element**

Pressure Plate
 40 Micron Filter Element

▲ **393339-46 For Baffle Repair**

Deflector
 Secondary Baffle
 Retaining Rod
 Primary Baffle

■ **393339-61 For Sight Glass**

"O" Rings (2)
 Sight Glass
 Bottom Plug
 Indicator Float

▼ **393339-60 For Bowl**

Bowl Gasket
 Bowl with Sight Glass Assembly and
 Drain Cock

Repair Kits For Models 5612-2 and 5616-2

● **393339-44 For Filter Element**

Pressure Plate
 40 Micron Filter Element

▲ **393339-47 For Baffle Repair**

Deflector
 Secondary Baffle
 Retaining Rod
 Primary Baffle

▼ **393339-68 For Bowl**

Bowl Gasket
 Bowl with Sight Glass Assembly and
 Drain Cock

■ **393339-69 For Sight Glass**

"O" Rings (2)
 Sight Glass
 Bottom Plug
 Indicator Float

For maximum efficiency, open drain cock (clockwise) frequently to drain water.

CAUTION: Shut off air supply and be sure all pressure in system is relieved before attempting to remove any filter components.

CLEANING

It is not necessary to remove the filter from the air line for cleaning nor are tools needed for disassembly of filter components. Refer to Figure 2 for disassembly. Clean all parts, other than plastic sight glasses, with methanol alcohol and dry with an air stream. Wash the filter element in alcohol and blow dry from the inside. Clean the sight glass with household detergent only. DO NOT use alcohol or solvents to clean the sight glass.

CAUTION: NEVER use carbon tetrachloride, trichlorethylene, thinner, acetone or similar solvents when cleaning any of these components.

CONVERSION TO AUTO-DRAIN PROVISION

To install Auto-Drain Assembly 334547-1:

1. Unscrew Flange Ring and remove Bowl.
2. Turn Drain Cock clockwise (as Viewed from bottom) to remove it from Bowl. Discard Drain Cock.
3. Thread drain cock portion of Auto-Drain Assembly through drain cock opening in Bowl and carefully screw (hand tight) into place.
4. Reassemble Bowl to filter Body and retighten Flange Ring.

CAUTION: With Auto Drain accessory, filters have a minimum pressure of 30 psi and a maximum pressure of 175 psi. Also, maximum operating temperature is 120° F.

PARTS CHANGES SINCE LAST REVISION

Added Model 5644-1