

90-400* (revised 01/05)
 Questions regarding this form
 should be directed to the
 following:
 732-390-8480

26 SERIES FILTER

Operating Instructions and Parts List

Application:

The 26 Series Filter is rugged, yet compact so it offers an ideal solution for most design problems. These units are also available with many popular options so they can be tailored to suit your application.

Features & Benefits:

- Supplied with either 1/4" or 3/8" in / out ports.
- Provides excellent water removal efficiency.
- Coalescing filter removes 99.97% of oil and water aerosols as well as solids larger than .3 microns.
- Bowl guard supplied as standard and mounts directly to the filter body not the bowl.

Accessories:

| | <i>Model No.</i> |
|----------------------------------|------------------|
| Automatic Drain | .8851AD |
| Metal Bowl | .26F-41M |
| Metal Bowl with Sightglass | .26F-41S |

Technical Data:

Maximum Supply Pressure:

| | |
|--------------------|----------|
| Plastic Bowl | .150 PSI |
| Metal Bowl | .250 PSI |

Maximum Operating Temperature:

| | |
|--------------------|---------|
| Plastic Bowl | .120° F |
| Metal Bowl | .250° F |

Filter Element:

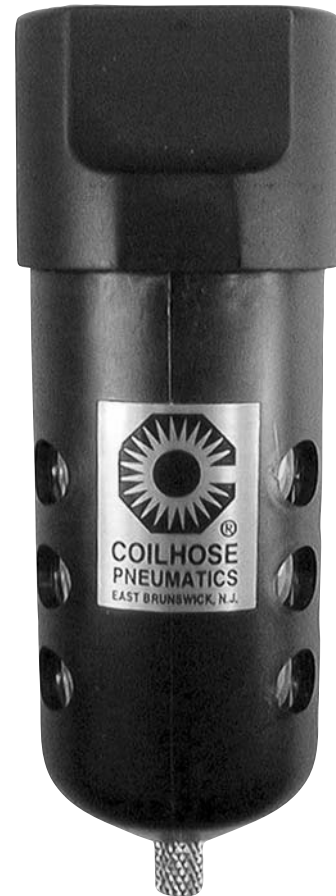
| | |
|----------------|------------|
| Standard | .40 micron |
| Option | .5 micron |

Material:

| | |
|----------------------|--|
| Body | Die Cast Aluminum |
| Standard Bowl | Transparent Polycarbonate with High Impact Plastic Guard |
| Optional Bowl | Zinc Die Cast |
| Filter Element | Porous Polypropylene |

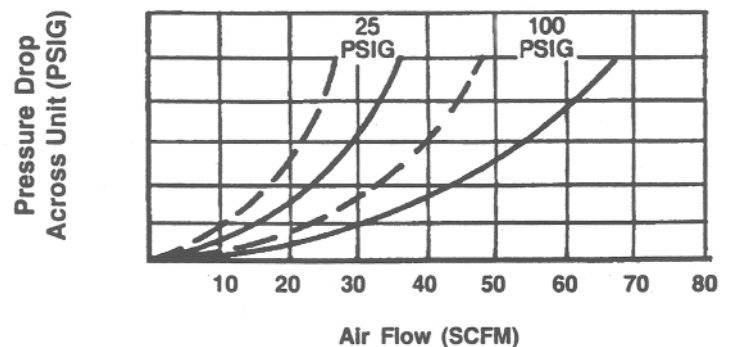
Dimensions and Weights:

| | |
|--------------|----------|
| Height | .6 1/2" |
| Width | .2" |
| Weight | .1/2 lb. |



1/4" Port
 3/8" Port

Performance Data:



General Description of Operation:

Filter –

Pressurized air enters through a curved inlet and deflector vane plate (3A) directing the incoming air in a downward whirling pattern. Centrifugal force hurls the larger solids and liquid water particles outward where they collect on the inner surface of the filter bowl (6). The particles spiral down past a retainer baffle (5A) into a quiet chamber. The baffle (5A) prevents turbulent air in the upper bowl from re-entering liquid contaminants and carrying them downstream. Then the dry, clean air follows a convoluted path through the filter element (4A), where finer solid particles are filtered out.

Coalescing Filter –

Contaminated compressed air enters through the center of the graded porous element (4B). Solid particles are captured and held by direct impact, interception or diffusion, depending on their size. Liquid aerosols are also captured, but are forced through the filter matrix by the compressed air.

The element (4B) density lessens towards the outer surface, forcing the collected liquid to agglomerate into larger and larger droplets. As the enlarged droplets emerge on the outside of the element (4B) they are conducted to the drain sites by the drain layer. Gravity pulls the collected liquid to the bottom of the bowl (6.3) and is drained away by opening the draincock (6.2).

Cleaning and Maintenance:

It is necessary to keep the filter clean in order to sustain peak filtering efficiency and avoid excessive pressure drop. A coating of dirt or condensation build-up on the filter element or pressure drop of 10 PSID or more indicates that cleaning is required.

Removal of the filter from the line for cleaning is not necessary. Disassembly requires no tools and the parts drawing on this page can be used as a guide. Air supply must be shut off and the filter must be depressurized prior to disassembly. The filter element should be replaced and all other parts should be cleaned with nothing stronger than household detergent. Before reassembly, the body should be blown out to remove any remaining debris.

To drain off any accumulations in the bowl, the draincock can be opened by turning it in a clockwise direction. This should be done before the collected fluid reaches the lower baffle.

The bowl guard is removed by depressing the release tab with the thumb, while turning the guard counterclockwise and pulling downward. The guard will become disengaged when the clasps clear the locking points on the body.

The bowl can then be removed by turning it counterclockwise until it is completely unscrewed and free of the body.

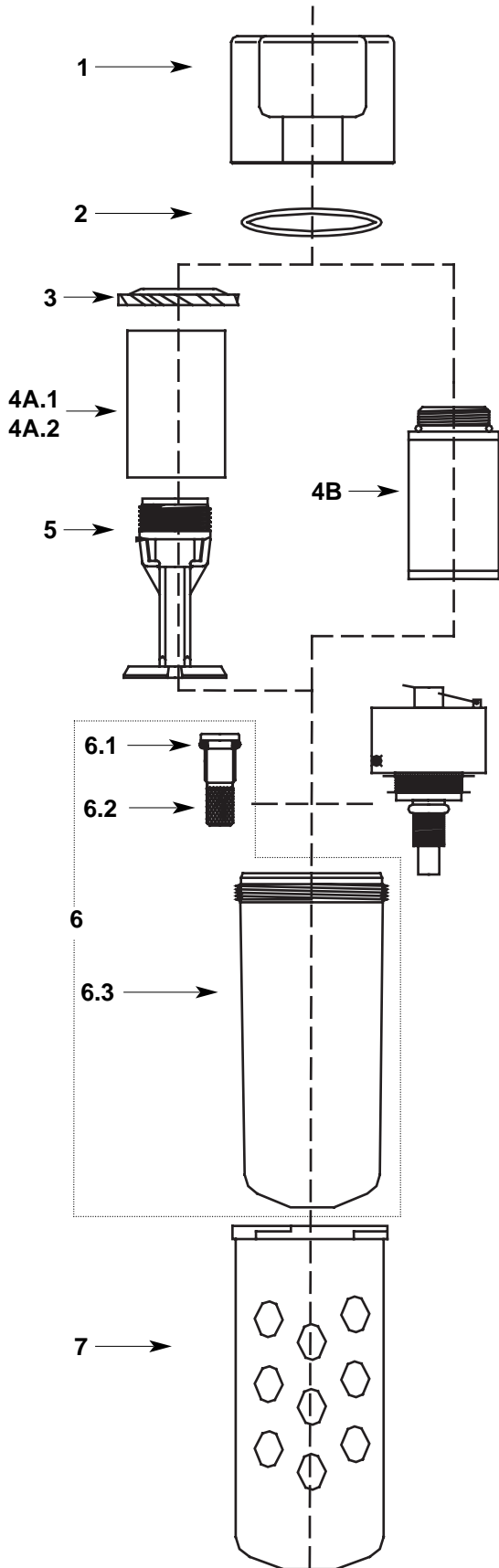
Components:

Chart

| No. | Description | Model No. |
|------|------------------------|-----------|
| 1A | 1/4" NPT Body | 26F2-1 |
| 1B | 3/8" NPT Body | 26F3-1 |
| 2 | Bowl Gasket | 26F-16 |
| 3 | Deflector Vane Plate | 26F-11 |
| 4A.1 | 40 Micron Element | 26F-12 |
| 4A.2 | 5 Micron Element | 26F-12X |
| 4B | Element, Coalescing | 26C-14A |
| 5 | Retainer Baffle | 26F-13 |
| 6 | Polybowl and Draincock | 26F-41L |
| 6.1 | Draincock O-Ring | 26F-17 |
| 6.2 | Brass Draincock | 26F-18 |
| 6.3 | Polycarbonate Bowl | 26F-40L |
| 7 | Plastic Bowl Guard | 26F-50 |

Rebuilding Kit:

Filter Bowl Repair Kit
(includes item 2, 6 and 7) 26FK01



We reserve the right to make engineering changes in design or materials without notification.