

91-417* (revised 09/04)

Questions regarding this form should be directed to one of the following:

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HEAVY DUTY FILTER AND COALESCING FILTER Installation Instructions, Operating Instructions and Parts List

Application:

The Heavy Duty Series Filter is designed to provide lasting service and superior performance in today's demanding industrial environment. A wide variety of options and accessories make this filter adaptable to any application.

Options and Accessories:

Options*:	<i>Suffix</i>
Automatic Drain .....	.D
20 micron Element .....	.F
12 micron Element .....	.X
Bowl Guard (for 1/4", 3/8" and 1/2" units) .....	.R
Metal Bowl with sightglass .....	.M

*Add a dash followed by the suffix(es) in alphabetical order to the model number.

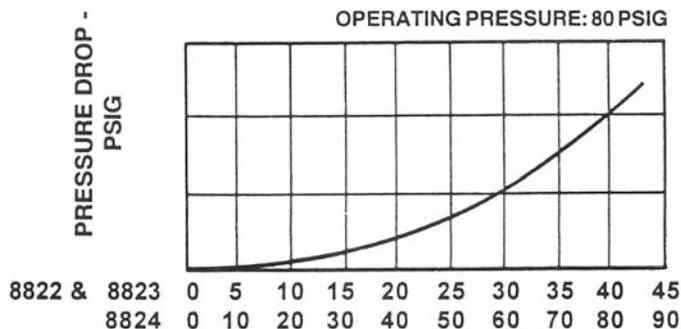
Accessories:	<i>Model No.</i>
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<u>Automatic Drain Valves</u> –	
Internal*8851AD
External (requires 4 1/2" clearance below bowl)	8861

<u>Metal Bowl with Sightglass</u> –	
1/4" and 3/8" .....	.8823-41M
1/2" .....	.8824-41M
3/4" and 1" .....	.8828-41M

*Internal Automatic Drain (8851AD - suffix "D") does not fit in 1/2", 3/4" and 1" coalescing filter units. These units must use an External Drain (8861).

Filter Performance Drop Vs. Air Flow Characteristics:



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	20 micron
Option	12 micron

Material:

Body	Die cast aluminum
Standard Bowl	Transparent polycarbonate
Bowl Guard	Steel
Optional Bowl	Aluminum with polycarbonate sightglass
Filter Element	Sintered bronze

Dimensions and Weights:

	1/4" and 3/8"	1/2"	3/4" and 1"
Height .....	.6"	7"	.9"
Width .....	.3"	3 1/2"	.5"
Weight .....	.3/4 lb.	1" lb.	.4 lbs.

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 filter element or pressure drop of 10 PSID or more indicates that cleaning is required. Please note: the Coalescing Element is NOT cleanable.

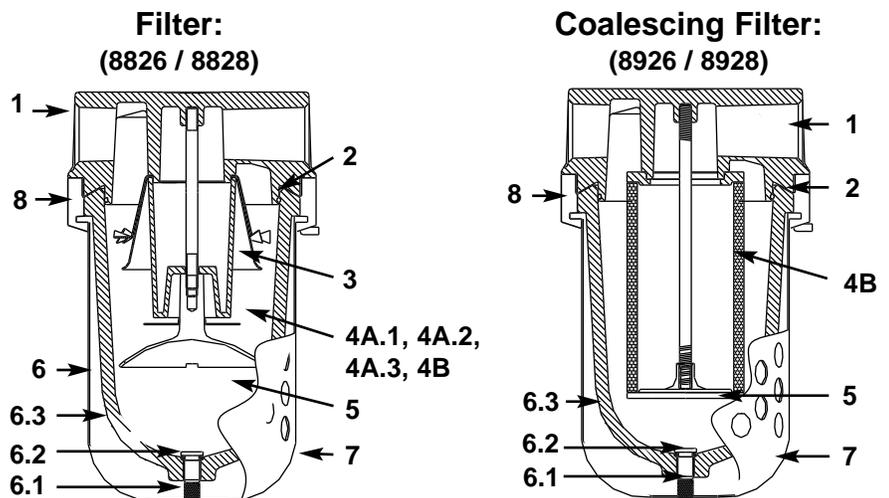
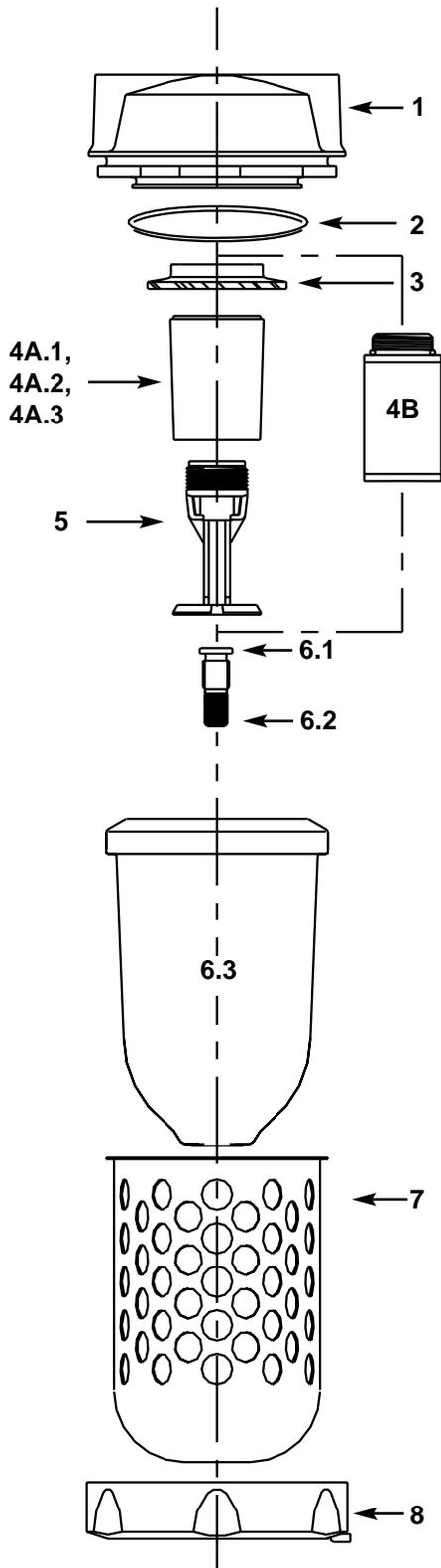
Removal of the filter from the line for cleaning is not necessary. Disassembly requires no tools and the filter and the filter element should be removed from the unit as follows.

Air supply must be shut off and the filter must be depressurized prior to disassembly. Depress the safety tab on the clamping ring and, by rotating it slightly and pulling downward, the clamp is removed from the head of the unit. The bowl can then be separated from the unit with slight downward force. Unscrew the retainer baffle from the stem and remove the filter element. The filter element should be washed in kerosene or soapy water and dried by blowing compressed air from the inside outward. All other parts should be cleaned with nothing stronger than household detergent. The body should be blown out to remove any remaining debris prior to reassembly. Replace the filter element and reassemble the unit.

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

Components:

Item No.	Description	1/4"	3/8"	1/2"	3/4"	1"
1	Head	8822-1	8823-1	8824-1	8826-1	8828-1
2	Bowl O-Ring	8823-9	8823-9	8824-9	8826-9	8826-9
3	Deflector Baffle	26F-11	26F-11	27F-11	8826-5	8826-5
4A.1	40 Micron Filter Element	8823-7A	8823-7A	8824-7A	8826-7A	8826-7A
4A.2	20 Micron Filter Element	8823-7FA	8823-7FA	8824-7FA	8826-7FA	8826-7FA
4A.3	12 Micron Filter Element	8823-7XA	8823-7XA	8824-7XA	8826-7XA	8826-7XA
4B	Coalescing Element	26C-14A	26C-14A	27C-14A	8926-7	8926-7
5	Retainer Baffle	26F-13	26F-13	27F-13	8926-25	8926-25
6	Plastic Bowl & Drain Cock	8823-41L	8823-41L	8824-41L	8828-41L	8828-41L
6.1	Drain Cock O-Ring	26F-17	26F-17	26F-17	26F-17	26F-17
6.2	Removable Drain Cock	26F-18	26F-18	26F-18	26F-18	26F-18
6.3	Plastic Bowl	8823-40L	8823-40L	8824-40L	8828-40L	8828-40L
7	Bowl Guard	8823-50	8823-50	8824-50	8826-50	8826-50
8	Bowl Clamping Ring	8823-30	8823-30	8824-30	8826-30	8826-30



Repair Kit

Sight Glass Repair Kit **RK88-SG**.

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