



## CNG 075 FILTER COALESCING

The CNG075 coalescing filter is designed to meet the needs of light and medium duty gas engines. A high strength aluminum housing and unique multiple layer filter element that combines both particulate and coalescing filtration make the Series CNG175 filter the ideal choice for the most demanding applications.

**High Pressure Filtration** – Gaseous fueled engines need protection from solid particulate matter and oil aerosols, both of which can damage fuel injectors, carburetors, and regulators. By combining both forms of filtration in one element, the CNG175 filter provides highly efficient and cost effective fuel system protection.

**Filter Element** – A custom three-layer element has been designed for Omnitek's family of filters. The first layer of the filter is a 10-micron cellulose pre-filter that traps any particulate matter before it can reach the coalescing element. The structure of the filter traps dirt as the gas moves through the entire depth, not just on the surface. The pre-filter protects and greatly extends the life of the coalescing element.

The second layer of the filter is a borosilicate fiber/microglass paper coalescing element. It removes more than 99.9 percent of the aerosols in the 0.3-0.6 micron range (higher efficiency filters, to 99.999 percent, are available by custom order).

The third layer of the filter is made of cellulose fiber that provides a drain layer for aerosols that have coalesced into oil droplets. The oil droplets migrate to the bottom of the filter and drop into the sump.

**Filter Housing** – The filter housing is made of high strength 6061 aluminum alloy and is rated for a maximum operating pressure of 3600 psig. The filter housing is clear anodized for corrosion resistance and is designed for undercarriage applications that are subject to dirt and debris encountered by working vehicles. A 2.5-inch clearance is required beneath the filter housing for servicing of the element.

The CNG075 filter will provide complete filtration and is suitable for use in the most demanding environments, typical of the rigors of fleet vehicles.

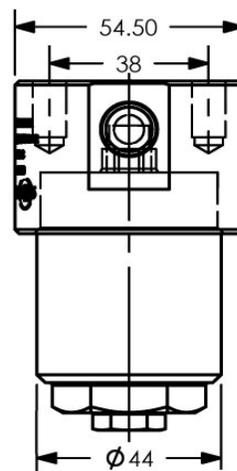
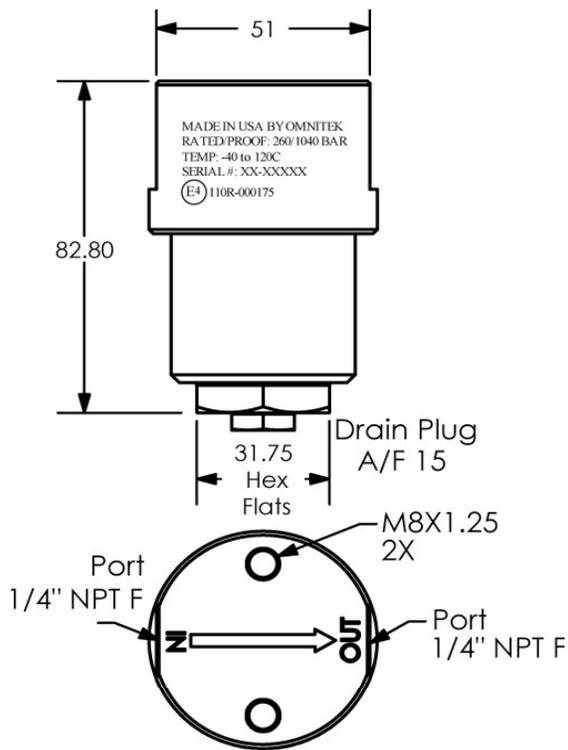


**WARNING!** Failure or improper selection or improper use of the products described in this technical data sheet and other information from Omnitek Engineering Corp., can cause death, personal injury, and property damage. It is solely the responsibility of the system designer and user to select products suitable for their specific application requirements, and to ensure proper installation, operation, and maintenance of these products. It is important to analyze all aspects of the application including, but not limited to, material compatibility, product ratings, and system requirements. The products described herein, including with limitation, product features, specifications, designs, availability, and pricing, are subject to change by Omnitek Engineering Corp., at any time without notice.

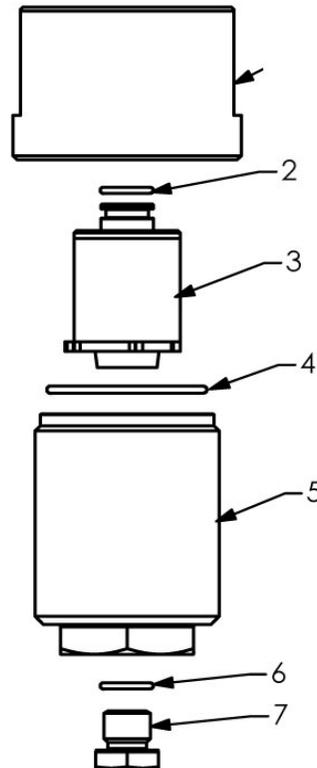


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## SERIES 075 COALESCING FILTER SPECIFICATION



**CAUTION!**  
Filter works only when it is installed in correct direction of flow marked as IN & OUT on the body



### **SPECIFICATIONS**

Maximum Rated Operating Pressure: 260 bar (3774 psi)

Operating Temperature: -40 to 250° F

Inlet & Outlet Port: 1/4" NPT-Female

Flow: Inside to Outside Element

Element: 10 micron pre-filter

Coalescing Element 99.99% Eff. @ .3 to .6 micron

O-Ring Seals: Buna-N

Burst pressure: 14,500 psi (1040 bar)

Sump Capacity: .5oz (14.8 ml)

Flow: 35 SCFM @ 100 psig

Certification: ECE110R-000175

70 mm Clearance required for housing Removal

Application: CNG/LNG

Tightening Torque for Filter Body Assembly: 5.5 Kg.m ± 0.3 Kg.m

Tightening Torque for Drain plug: 2.9 Kg.m ± 0.25 Kg.m

Tightening Torque for Both mounting Screws: 2.2 Kg.m ± 0.2 Kg.m (8.8 Grade BS)

Weight: 0.32 Kg (320 grm ± 10 grm)