

INDUSTRIAL & AVIATION FILTERS

division of ENVIROCOM INC

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INTRODUCING THE **NEW**



NOZZLE GUARD™

NG GWS WATER SEPARATOR

REMOVES WATER & SLUDGE CONTAMINANTS FROM FUEL OIL

FEATURES: And Benefits.

LOWEST COST: NG GWS is designed specifically for the Oil Heat Industry. The exclusive **Nozzle Guard** design results in cost savings to you, when compared to other Primary Filters.

REMOVES MORE WATER AND SLUDGE: NG GWS removes water and large solid contaminants from the fuel oil, extending the life of the filter downstream. **The GWS will not restrict flow.** The GWS is engineered to prevent flow from short-circuiting between inlet and outlet. **Higher Residence Time** compared to other smaller separators allows sufficient time for settling of more water and heavy solids.

ROBUST NEW SHELL: New heavy-gauge single-piece, flat-bottomed shell meets DTOV2 UL requirements for corrosion resistance. **Nozzle Guard GWS** utilizes **Triple Corrosion Resistance** (Epoxy on zinc-plated steel, with thick plastic lining on shell bottom), **eliminating corrosion.**

CLEANER QUICK CHANGE SPIN-ON: Spin-on NG GWS makes replacement faster, easier, and more trouble free; lowers service time & cost.

PREVENTS OIL SPILLS: Replacing the spin-on GWS each year eliminates the problem of eventual rusting-out of canister-type filters and oil spilling into a basement.

STANDARD NG FEATURES: Leak-proof **Triple Seal** (compression, knife-edge, and constraining lip) between gasket and mounting head; Optional **Mounting Bracket** (P/N 80001030) to fasten head securely to wall or appliance; **Recognized Component** by Underwriters Laboratories Inc in Canada & the U.S.A.

HIGH BURST PRESSURE: **Nozzle Guard NG GWS** has been hydrostatic pressure tested to **500 psi!**

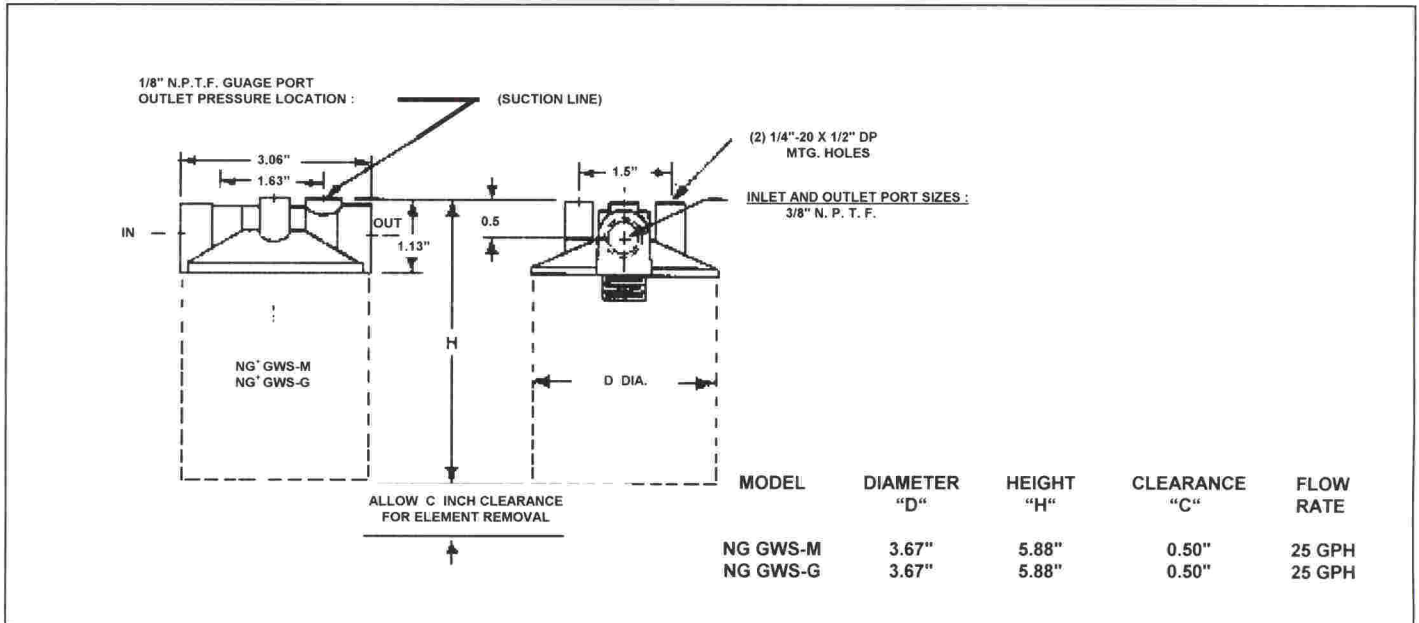
EASY RETRO-FIT: The **Nozzle Guard NG GWS** will spin right on to an existing General 1A25A or Mitco 264 mounting head, when fitted with a **Nozzle Guard** conversion adapter.

ENGINEERED FILTRATION, SEPARATION, AND RECLAMATION
.....Over 50 Years of Specialized Experience in the Industrial Filtration Market

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DIMENSIONS: NOZZLE GUARD MODEL NG GWS WATER SEPARATOR



DESCRIPTION: NOZZLE GUARD MODEL NG GWS WATER SEPARATOR

The **Nozzle Guard NG GWS filter water separator** is design to be used as a **primary filter** for mounting indoors in a heated space as close to the fuel oil tank as practical.

All fuel oil storage tanks may be agitated when fuel is delivered, and the stirred-up contaminants will enter the fuel line to the burner. Bottom discharge storage tanks are particularly susceptible to problems, since any water entering or condensing in the tank will settle to the bottom and be discharged through the bottom tank outlet, along with any settled solids. The **GWS** utilizes 3 stages of impingement and gravity separation to remove water droplets and solid contaminants such as rust particles, sand, and scale from the fuel oil. Water droplets hit the surface of the **GWS** when the inlet flow is forced to change direction. Droplets will grow in size as they "bump" into one another. As the droplets enter the sequential settling chambers, flow is directed away from the outlet port to maximize residence time and prevent droplets from flowing directly to the outlet. Three separate coatings (zinc, epoxy, and plastic) are used to protect the interior of the steel shell from the corrosive effects of water. **Meets Underwriters Laboratories DTOV2 corrosion resistance spec.**

For new installations, use a **Nozzle Guard** aluminum mounting-head. Optional mounting bracket **80001030** allows the head to be attached to a wall or appliance for a professional looking installation.

For existing installations, easily retro-fit a General 1A25A or Mitco 264 head to accept a **GWS** spin-on by installing a **Nozzle Guard** conversion adapter, either **80001109** for **GWS-G**, or **80001110** for **GWS-M**. The 1A25A head must also use gasket **80001244** to seal.

Fine solid contaminant which may pass through the **GWS** is removed by the **secondary filter** (e.g., **Nozzle Guard NG 3500**) which must be installed after the **GWS**, and as close to the burner as practical.

DON'T SETTLE FOR LESS! USE ONLY NOZZLE GUARD FILTERS ON YOUR OIL BURNER.

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