FILL-RITE®

The Most Trusted Name in Pumps and Meters

Service Bulletin

Petroleum Filters

Not for use with Aviation Fuels

⚠ DANGER!

FLAMMABLE!!

No Smoking!

No Power Tools!

Personal Protection Equipment Required.

Read and follow all instructions.
Failure to do so could result in fire, serious bodily injury or death.

Safety Instructions

- **The filter unit should only be installed or changed by authorized trained personnel only.**
- The pumping unit used ***must not exceed*** the recommended flow rate listed on the filter unit used.
- The working pressure of the pumping unit ***must not exceed*** the maximum working pressure of filter unit used.
- **No smoking or power tools!**
- **Use only non-sparking** hand tools, goggles, static control wrist strap and fire extinguisher required for personal safety!
- **Surge Accumulators** or **Relief Valves** should be installed on systems equipped with check valves, long hoses, hose reels, and/or excessive piping. Thermal expansion and water hammer can cause filters to leak and even rupture.
- Surge Accumulators or a relief valve should be installed around the filter if the system utilizes a hose reel. Excessive pressure of trapped fuel can develop during the winding of the hose if the system is equipped with a check valve or a closed valve.

Tuthill
8825 Aviation Drive
Fort Wayne, Indiana 46809
p (260) 747-7524
www.tuthill.com

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Installation Instructions

1. **DANGER!** FLAMMABLE! Read and follow all safety instructions. Failure to do so could result in fire, serious bodily injury, or death.
2. Turn off power supply to pumping unit.
3. Clear area of pedestrians and vehicles prior to installation.
4. Tag pumping unit out of service for filter change.
5. **Pump Unit Located in the Pedestal**
    A) Turn pump on, in order to make sure that the power supply has been disabled.
    B) Operate the nozzle until no flow occurs to relieve any stored system pressure. Then return the dispenser to the off position.
6. **Remote Pump Location**
    A) Close the impact valve (emergency valve).
    B) Turn dispenser on while operating the nozzle until no flow occurs. Then return the dispenser to the off position.
7. Remove the old filter, while collecting all spilled fuel. Dispose of the old filter in accordance with local, state, or federal regulations.
8. Apply a thin film of LUBRICATING OIL to the gasket of the new filter.
9. Screw new filter on the flow adapter or manifold until the gasket makes contact. Tighten an additional ¾ turn.
10. Turn on fuel supply.
11. Pressurize the system and check for leaks.

Operation Instructions

1. Filter unit must be installed using a suitable mounting device or rigid piping.
2. Filter unit must be installed with flow in proper direction.
3. Filter should be inspected every six months, and changed annually, when slow flow occurs, or when differential pressure reaches **20-25psid**.
4. Water Absorbing Filters - When the differential pressure reaches **20-25psid** or less than **3gpm** flow condition is recognized the filter could be plugged with water, and should be immediately replaced. Failure to replace could result in internal filter rupture resulting in water down stream.
5. If water stoppage is suspected, remove the water absorbing filter and pour the contents into a jar. If fuel is cloudy or water separates at the bottom of the jar, the filter is most likely plugged with water. If water is excessive in the jar it may be necessary to have the tank cleaned or drained prior to further use.
6. These filters should not be used on systems capable of more than **20psid** across the filter without pressure differential gauges installed.

Product - Operating pressure not to exceed 50 PSI.
Product – The pumping unit used ***must not exceed*** the recommended flow rate listed on the filter unit used. (Contact supplier for more information).

Note: It is not recommended to install these units for use with suction side applications.