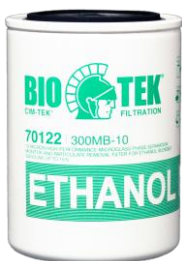


Maintenance Tip: Know Which Filter To Use

With fueling sites offering many different formulations of fuel, operators must be aware of the various types of dispenser filters that are available, along with their specific uses.

For example, the following types of dispenser filters are available to the retail-fueling market:

- **Standard** for dirt removal in standard fuels and under normal fueling operations
- **Microglass** for filtering of fuels that have very fine particulates
- **Hydrosorb**[®] for use with fuels where high water tables require heavy-duty water absorption
- **Alcohol/Alert** filters that have been designed to detect phase separation in ethanol fuels



Additionally, it is recommended that a 10-micron filter be used for typical fuels, with a 30-micron filter used with diesel.

If you have any comments to share with us, please e-mail Joe O'Brien at: jobrien@SourceNA.com

DEF-tly Mining A New Market

On Jan. 1, 2010, a new U.S. Environmental Protection Agency (EPA) regulation went into effect mandating that all new on-road diesel-powered vehicles meet a redefined tailpipe-emission standard of 0.2 grams of nitrogen oxide (NOx) per brake horsepower-hour.

Most manufacturers of diesel-powered engines and vehicles determined that the best way to satisfy this stricter EPA NOx-emission threshold was through the incorporation of an emission-control technology known as Selective Catalytic Reduction (SCR). The catalyst in an SCR system is a liquid reducing agent consisting of automotive-grade urea and purified water that is injected into the exhaust stream where it converts the NOx into harmless nitrogen and water vapor.

In the United States, the SCR's liquid reducing agent is known as Diesel Exhaust Fluid (DEF), which is a solution consisting of 67.5% water and 32.5% urea. To introduce the DEF into the exhaust stream, diesel vehicles are now being equipped with separate tanks in which the DEF is stored and from which it is introduced into the SCR process.

From a broader perspective, what this new EPA mandate has created is a new niche market within the motor-fuel supply chain. The Oil Price Information Service (OPIS) has even said that "DEF represents the largest addition to the motor-vehicle liquids marketplace in decades," with some estimates predicting DEF demand in the U.S. will reach 1.3 billion gallons in 2019. Currently, many U.S. truck stop chains are installing dedicated DEF-dispensing islands at their retail sites to handle the new demand.

This new motor-fuel niche has also created a new market for equipment that can produce, handle, store and dispense DEF, which has some unique handling characteristics. To meet the needs of this expanding market, Source[™] North America offers complete lines of equipment for use throughout the DEF supply chain, from submersible pumps to dispensing nozzles.

Please contact your local Source sales representative for more details on DEF use and regulation, and how we can help you meet your DEF-handling needs.

New E10/E15 Dispensing Requirements

On Aug. 14, 2012, the U.S. Environmental Protection Agency (EPA) released "Regulatory Alert No. 520: New EPA Requirements for Pumps Dispensing E15."

The new requirements are designed to address concerns related to fuel pumps that dispense both E10 and E15 gasoline blends through a single fueling hose. The EPA was concerned that residual E15 left in the nozzle and hose would lead to misfueling of non-road engines and vehicles, such as ATVs and motorcycles, that are required to use E10 or lower gasoline blends only.

To prevent misfueling of these types of vehicles, the new EPA requirements mandate that retailers either use a dedicated hose for dispensing E10 or lower blends on blender pumps, or impose a minimum four-gallon purchase for each sale of E10. Four gallons are a sufficient volume to ensure that any residual E15 left in the hose and nozzle is blended down to an E10 maximum.

Click [HERE](#) to read the full text of the EPA's Regulatory Alert No. 520.

Know Your Operator Class

The motor-fuel industry features a wide array of terminology. Here are the U.S. EPA's definitions of the types of UST operators:

Class A The individual who focuses on the statutory and regulatory requirements related to operating and maintaining the UST system

Class B The individual who is responsible for field implementation of applicable UST regulatory requirements and the day-to-day aspects of operating, maintaining and record keeping for USTs at one or more facilities

Class C The individual who is the first line of response to events indicating emergency conditions or responding to alarms

Tip of the Day

CNG Fueling Station Design & Construction Course Offered by PEI

This course has been designed by the Petroleum Equipment Institute for companies that are interested in, or responsible for, designing and building natural gas fueling stations, as well as convenience-store owners and operators, fuel marketers, equipment providers and others involved in permitting CNG facilities.

The 12-hour course is divided into 12 modules and is available in an easy-to-use online format. Click [HERE](#) for more information.

Source Hosts 2013 Company Meeting

Every five years, Source™ North America conducts an all-employee meeting in which all of the company's employees gather to receive updates on the latest advances in Source's operations and product portfolio. The 2013 Company Meeting was held from Jan. 2-4 at the Embassy Suites Hotel in Lombard, IL.



The three-day meeting offered seminars that covered many different facets of company operations, including leadership, improved productivity and marketing/communications, etc. Additionally, all of the attendees took part in a full tour of Source's headquarter facility in Addison, IL. This tour featured a trip through the warehouse and stops at the curb hose pump fabrication area, the shipping/logistics center and the Will Call area where station operators can drop in to pick up any fueling equipment they may need.

Evening activities offered several networking opportunities, including an excursion to Buddy Guy's Legends Blues Club in Chicago, among others.

Source B2B Web Site Features

Login to the [Source B2B Business Center](#) and take advantage of the full array of extensive features designed to make your online experience with Source as easy and flexible as you need. Our streamlined order process allows you to decide and organize how your company needs to place orders—and also how to route acknowledgements to keep full control of your inventory. The experience is personalized so that you are taken care of by the same folks that you talk to here at Source.

Please talk to your Source representative to find out if our B2B web site is the right fit for you and your business. To access the login page, go to <http://shop.sourcena.com/>.

This Month's Featured Product

Curb Pump Dispensing Hose

The new Curb Pump Dispensing Hose from Source™ is designed for use in conventional pumping applications that require a hardwall construction for full flow and no internal spring guards. The wire-braid construction provides excellent kink resistance, low computer creep and long service life. It is UL 330 and ULc approved and designed for use with gasoline, diesel, ethanol up to E10 and biodiesel up to B5. Questions? Contact your local Source representative today!

