

Satisfied FRS Customers

COMMUNICATIONS

Nextel Facility
Verizon Wireless
Cingular Data Center
South West Bell Data Center
Intelsat Communications
Clear Channel T.V.
FEMA (Emergency Broadcasting System)

GOVERNMENT FACILITIES

California Department of Transportation
U.S. Army (Fort Belvoir)
FBI J. Edgar Hoover Building
VA Medical Center
N.S.A. Elect Upgrade (Ft. Mead)
F.A.A. (Sky Harbor)

DEPARTMENT OF INTERIOR

U.S. Patent & Trademark Facility
Washington Visitors Center
Fannie Mae Facility

COMMUNITY FACILITIES

Atlanta Aquarium
Brooksville Hospital
Union Hospital
CDC Atlanta
Center for Disease Control

COMMERCIAL

Hertz Data Center
Borg Warner Data Center
Bank of America Data Center
CSFB Data Center



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RCI Technologies Universal Purifier Benefits

There are many advantages and benefits to the owner and operator with the installation of an RCI Technologies Purifier. These advantages include the following:

ENGINE BENEFITS

- Eliminates all water from the fuel system, thus avoiding time consuming break downs while preventing the formation of damaging sulfuric acid.
- Removes all solid particles from the fuel system, including oxides, dirt, rubbish, and all other impurities with a density greater than that of the fuel itself.
- Preheats the paraffin contained in all fuel, providing superior lubrication of the entire fuel system including the injector pump, injectors and cylinder walls. (Heater-optional part)

ECONOMIC BENEFITS

- Reduces down time.
- Extends the life of the injection pump and the injectors.
- Extends the life of the primary filter.
- Protects and extends the life of the engine.
- No internal or external parts requiring service or replacement.



RCI Technologies

NEMA 4 UL

FRS 660

Fuel Recirculating Systems



What is an RCI Technologies Fuel Recirculating System?

RCI Technologies Fuel Recirculating Systems are designed to automatically circulate and remove suspended water and particulates from stored fuel tanks on a pre-programmed basis.

FRS Systems remove 99% of the water, and 98% of the dust, dirt and other natural contaminants which is found in all diesel fuels.

All FRS models are designed for use with fuel oil (class II or class III combustible liquids having a flash point of 100°F or higher) and designed for wall or pad mounting. All components are safeguarded within a NEMA 4 weatherproof enclosure. A drip catch basin with internal and external alarms with leak detection is standard.

"THE PERMANENT SOLUTION"

Made in the U.S.A.

FRS 660 UL Applications

- FRS 660-5-UL - Single Tank Application, 5 GPM
- FRS 660-11-UL - Single Tank Application, 11 GPM
- FRS 660-25-UL - Single Tank Application, 25 GPM
- FRS 660-MTU-UL - Multi Tank Unit – Recirculating unit set up for two tank operation with manual selector switch and supply/return line motorized valves for each tank.
- FRS 660-RPU-UL - Remote Pumping Unit – (7, 40 & 90 GPM) Automatically circulates and cleans fuel in a single storage, utilizing the existing pumps on a preprogrammed schedule.
- FRS 660-60-UL - Large single RCI system, 2" skid mounted pump, 60 GPM recirculation system.
- FRS 660-150-UL - Large single RCI system, 3" skid mounted pump, 150 GPM recirculation system.

ALL MODELS INCLUDE THE FOLLOWING FEATURES:

- NEMA 4 UL 508 rated weatherproof enclosure.
- Certified **Green Clean**
- Powder coated white with key lock security.
- 6" Operator touch panel interface
- NPT brass inlet/outlet ball valves.
- Brass swing-check valves.
- System Emergency shut-down points
- Recirculating pump with high pressure safety switch.
- Cabinet leak sensor with alarm contacts – Pump shut off.
- RCI universal fuel purifier.
- RCI water sensor alarm.
- Magnetic fuel decontamination unit.

All Systems available with 220 VAC 60/50 HZ Power



For Specifications and sizing chart, visit our web site at:
www.rcitechnologies.com or
 call us at (800) 868-2088 for further assistance.

Open Face FRS 660 UL

Open face (wall mount only) NEMA 4 UL listed systems are available for the marine and container industries. Open face systems are currently available on single tank applications of 5 GPM, 11 GPM and on Multi Tank Units.



Do you really need to keep a Fuel Tank at 2 Microns?

Thank you for allowing RCI Technologies to provide you and your staff with information regarding our Fuel Recirculating systems.

There are vendors trying to sell fuel recirculating systems, quoting "7 Stages of filtration" or "Let us clean your 30,000 gallon fuel tank to 2 Microns," without any consideration for the end user. Do you realize how long you would have to run the system to maintain a 30,000 gallon fuel tank at 2 microns? And how many times your customer would have to change these 2 micron filters? If they can maintain your fuel tank at 2 microns then there would be no need for your inline filters. It just doesn't wash!

With the RCI Technologies Fuel Purifier meeting and exceeding the "90 mesh strainer coalescer/separator requirements," we can design a system to any specification, but would be negligent not to advise our customer of a potential problem with this design. Diesel equipment has multiple filters ranging in micron size to accommodate the contamination found in all fuels. Most primary filters are in the 10 to 20 micron size, sometimes as high as 30 micron. The secondary filter, or final filter, should be 2 to 10 microns, thus reducing the chances of filter clogging and excessive maintenance.

It would be cost prohibitive for your customer to try to maintain a fuel tank at 2 micron when going to a higher micron primary filter. Conventional filtration is designed to shut off the fuel flow as the filter clogs. Therefore, the potential problem of having multiple filters from 2 micron to 30/20/10 back to 2 micron would not be cost effective to your customer, as the cost of filter replacement, down time, and hazardous waste disposal fees constantly increase.

RCI Technologies Fuel Purifier will remove all the water and particulates to below 10 microns and requires no replacement filters, cartridges or elements to clean, change or replace. Total maintenance is a simple purging. The sole function of our Purifier is to remove water and particulate before it gets to the conventional filtration. Here again, installing a 2 micron filter at the beginning of the fuel stream, would cause your customer excessive maintenance and down time changing the 2 micron filters.

In Section 3 of our FRS Sales Manual, installation photos will show how some of our valued customers, Home Savings & Loan (FTI) and Exodus Communications (EarthSafe), have used RCI Technologies fuel purification products to protect their expensive conventional tank cleaning systems, recirculating systems, and day tanks, due to extreme high cost of maintaining them.

We are proud to provide a total maintenance system that requires only a simple purging, providing your customer years of quality fuel at minimal cost.

Sincerely,

Robert Randle
 Robert Randle
 President

QUESTION:

What Do These Locations Have In Common?



Fannie Mae



Transportation Management Center



U.S. Patent & Trademark Facility

ANSWER:

*RCI Technologies' Fuel Recirculating Systems
 Are Protecting Their Stored Fuel.*