



SUBMITTAL DOCUMENTS

FRS 660

Complete NEMA 4 UL 508A

Automatic Fuel Recirculating Systems





TABLE OF CONTENTS

HOW THE FRS 660 SYSTEM WORKS	3
FEATURES OVERVIEW	4
FEATURES DETAIL.....	5
OPERATOR INTERFACE FLOWCHART	6
FIELD WIRING CONNECTION DIAGRAM	
Standard Power Input and Alarm Relay Outputs.....	7
Multiple Tank Unit (MTU) Motorized ball Valve Connections	8
SPECIFIC PRODUCT SPEC SHEET	9



RCI Technologies
462 Borrego Court, Suite D
San Dimas, CA 91773
Telephone: (800) 868-2088 • (909) 305-1241
Fax: (909) 305-1245
Web site: www.rcitechnologies.com
E-mail: info@rcitechnologies.com

The information herein is the property of RCI Technologies. Without written permission, any copying, transmitting to others, and other use except that for which it is loaned, is prohibited.



HOW DOES THE RCI TECHNOLOGIES PURIFIER WORK?

All RCI single and multi-tank Fuel Recirculation Systems (FRS 660) are UL 508A Listed and **Green Clean Certified**. They are designed to automatically circulate and clean fuel at a predetermined time and rate without the use of costly filter elements.

FRS 660 systems utilize RCI's patented fuel purification technology, which contains no filters or moving parts. The FP purifiers are used as the primary fuel purification. They remove 99% of water, including emulsified water and up to 98% of normal solid or particulate contaminants found in fuel. All systems are supplied with a 100 mesh Y Strainer.

FRS 660 systems are pre-wired and plumbed, housed in NEMA 4 enclosures and utilize PLC controllers to provide long-term reliable operations. All operator interfaces are conveniently located on the front door for easy viewing. Multiple levels of security are built-in to each unit to prevent unauthorized access to critical system operating programs.



FRS 660 System
NEMA 4 508A UL

FRS 660 systems include many standard features such as continuous-duty positive-displacement pump with pressure-relief valve, TEFC motor with overload protection, high-water sensor, fully seal-welded enclosure providing a containment basin with leak sensor, industrial-grade powder coating on the interior and exterior of the enclosure, keyed door lock, touch-screen system status and programming display, audible alarm with integrated reset button and visual alarm light, keyed HOA switch, biological decontamination unit, brass inlet and outlet ball and check valves and four external alarm relay contacts for interface to other devices.

In addition to standard 120 or 220 VAC power requirements, FRS 660 systems are available with optional 208/230/460 VAC. Other key system options include Ethernet or Modbus RTU communication capabilities, thermostatically controlled enclosure heater.

Depending on the length of the run and the (FAL) Full Amp Load of the specific system, all wiring must be done to meet local code.



FP 400
Fuel Purifier

RCI's FP purifiers provide a **THREE** stage purification process utilizing two well-known separation principles, centrifugal and coalescence.

By using these two principles, water and other contaminants are separated from the fuel. This eliminates fuel filter clogging, related breakdowns, down time and frequent filter replacements.

As the fuel enters the purifier, it flows downward in a circular movement through an internal baffle system entering the lower chamber of the purifier.

1st Stage:

In the first stage of purification, the velocity of the fuel slows down considerably, allowing any free water droplets and other contaminants to maintain their mass and not emulsify with the fuel. These impurities accumulate and remain at the bottom of the purifier until purged.

2nd Stage:

In the second stage of purification, the fuel migrates through a series of perforated baffle plates to stop any particulates and attract, by way of coalescence, any water droplets still remaining.

Final Stage:

In the final stage of purification, the fuel passes through our patented coalescence medium to ensure that any small water droplets or particulates will be coalesced out of the fuel stream. Only the clean fuel rises to the top and exits the purifier.

RCI Technologies' FRS 660 systems provide consistent, clean-burning fuel for quicker ignition and better combustion, which leads to increased engine power and efficiency.



FEATURES OVERVIEW

SINGLE-TANK SYSTEMS WITH PUMP



FRS 660-5-UL



FRS 660-11-UL



FRS 660-25-UL

Flow Rate: 5 gpm (300gph)
 Dimensions: 36" x 36" x 12"
 Shipping Weight: 275 lbs.
 Purifier Model: FP 700
 TEFC Motor: 1/3 H.P.
 Inlet/Outlet: 1/2"
 Y Strainer: 1/2"

Flow Rate: 11 gpm (660 gph)
 Dimensions: 48" x 42" x 12"
 Shipping Weight: 500 lbs.
 Purifier Model: FP 1000
 TEFC Motor: 1 H.P.
 Inlet/Outlet: 1"
 Y Strainer: 1"

Flow Rate: 25 gpm (1500 gph)
 Dimensions: 48" x 42" x 12"
 Shipping Weight: 650 lbs.
 Purifier Model: FP 1000
 TEFC Motor: 2 H.P.
 Inlet/Outlet: 1"
 Y Strainer: 1"

MULTI-TANK SYSTEMS WITH PUMP



FRS 660-11-MTU-UL



FRS 660-25-MTU-UL



FRS 660-40-RPU-UL

Flow Rate: 11 gpm (660gph)
 Dimensions: 48" x 42" x 12"
 Shipping Weight: 500 lbs.
 Purifier Model: FP 1000
 TEFC Motor: 1 H.P.
 Inlet/Outlet: 1"
 Y Strainer: 1"
 Number of Tanks: 2, 3 or 4
 Motorized ball Valves: 4, 6, or 8

Flow Rate: 25 gpm (1500 gph)
 Dimensions: 48" x 42" x 12"
 Shipping Weight: 650 lbs.
 Purifier Model: FP 1000
 TEFC Motor: 2 H.P.
 Inlet/Outlet: 1"
 Y Strainer: 1"
 Number of Tanks: 2, 3 or 4
 Motorized ball Valves: 4, 6, or 8

Flow Rate: 40 gpm (2400 gph)
 Dimensions: 42" x 36" x 12"
 Shipping Weight: 300 lbs.
 Purifier Model: FP 1000
 TEFC Motor: Provided by Others
 Inlet/Outlet: 1"
 Y Strainer: 1"
 Number of Tanks: 1, 2, 3 or 4
 Motorized ball Valves: 4, 6, or 8

SINGLE or MULTI-TANK SYSTEMS w/o PUMP

COMMON FEATURES:

National Listing: UL 508A
 Enclosure Type: NEMA 4 (Dual Access Door)
 Controller Type: PLC
 Power Requirements: 115 or 230 VAC, 60 Hz, 1P
 Operating Temp: 32 – 104 F (without internal heater)
 Alarms: Hi Water, Leak, Hi Pressure, General

Pump Type: Positive Displacement
 Max Fluid Viscosity: 29 cST
 Suction Capability: 20 ft. Vertical or 100 ft. horizontal lift w/ Primed lines > 1" dia.
 Biological Control: Magnet
 Y Strainer: 1/2", 1", 2" or 3"

OPTIONS:

System Heating: Thermostatically Controlled
 Power Requirements: 208 / 230 / 380 / 480 VAC 3 Ph
 Other Enclosure Types: NEMA 4X (Stainless Steel or Polycarbonate)

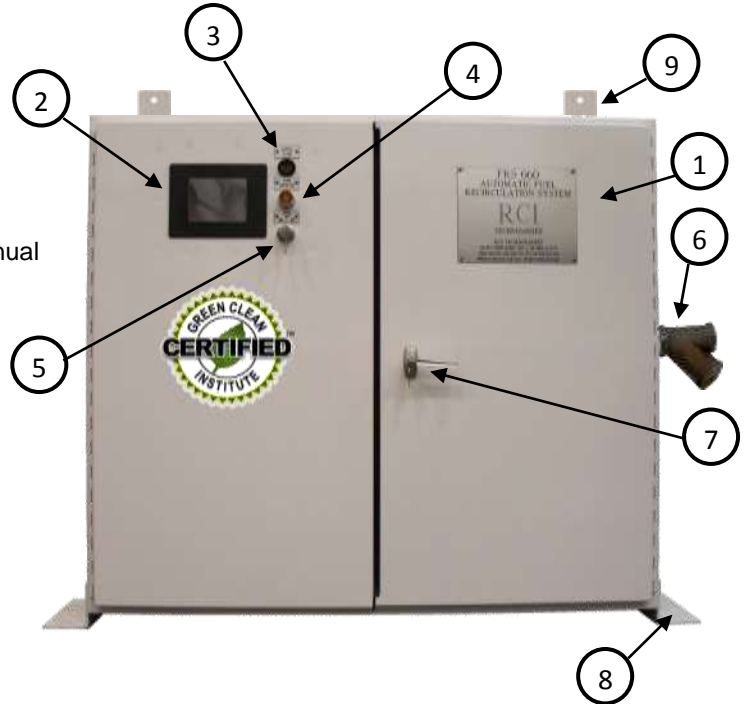
Flow Meters:
 External Communications: Modbus RTU or Ethernet
 Automatic Water Drain: 15 gal container w/ Hi Alarm
 Main Power Disconnect: Fused & Non w/Rotary Handle

FEATURES OVERVIEW – FRS 660 (5, 11 & 25 gpm)

Complete NEMA 4 UL 508A basic system components for single and multi-tank units

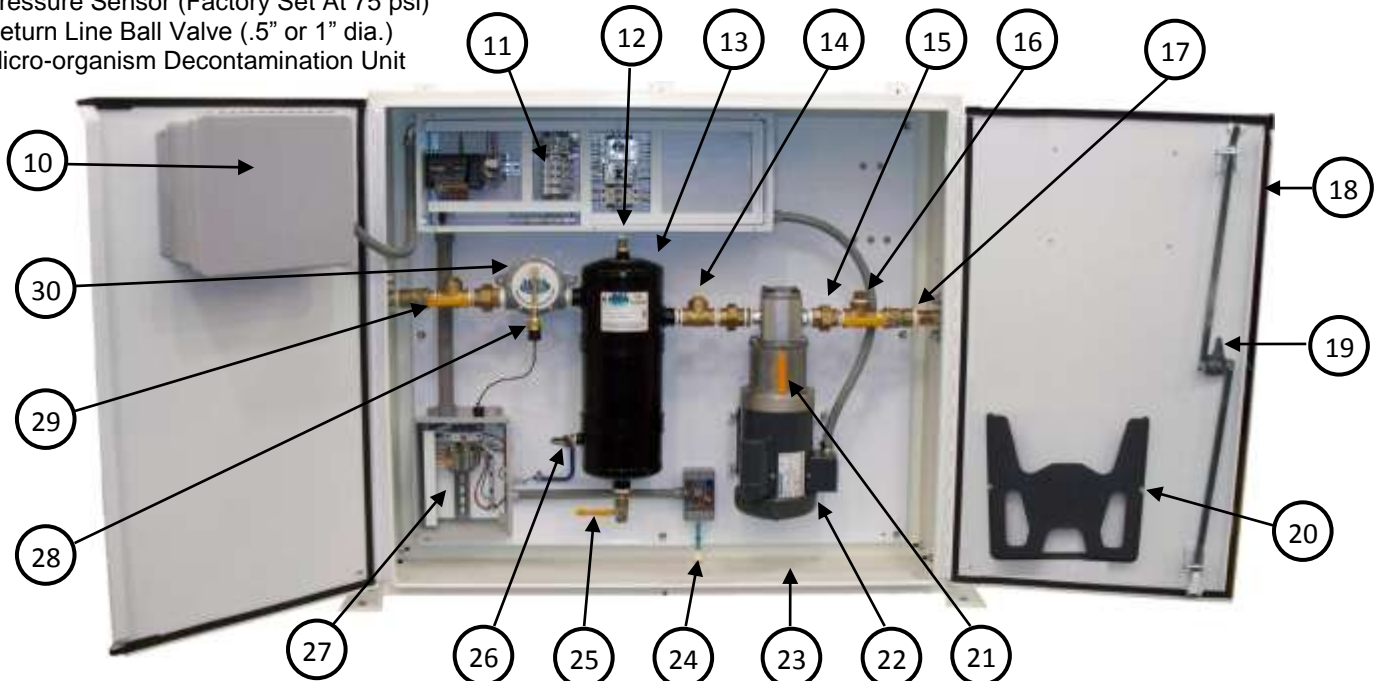
UL 508A Listed System - Exterior

1. **NEMA 4 UL 508A** Rated System Enclosure with Hinged Door(s) and Industrial Powder Coating (white)
2. **UL** Listed Touch Screen Display for System Status Security Enabled Programming.
3. **UL** Listed Audible Alarm
4. **UL** Listed Visual Alarm with Reset Button
5. **UL** Listed Operator Interface HOA Switch
6. Y Strainer (1) (1/2", 1", 2" or 3")
7. Handle with Keyed Lock
8. Floor Mounting Feet
9. Wall Mounting Hinges



UL 508A Listed System - Interior

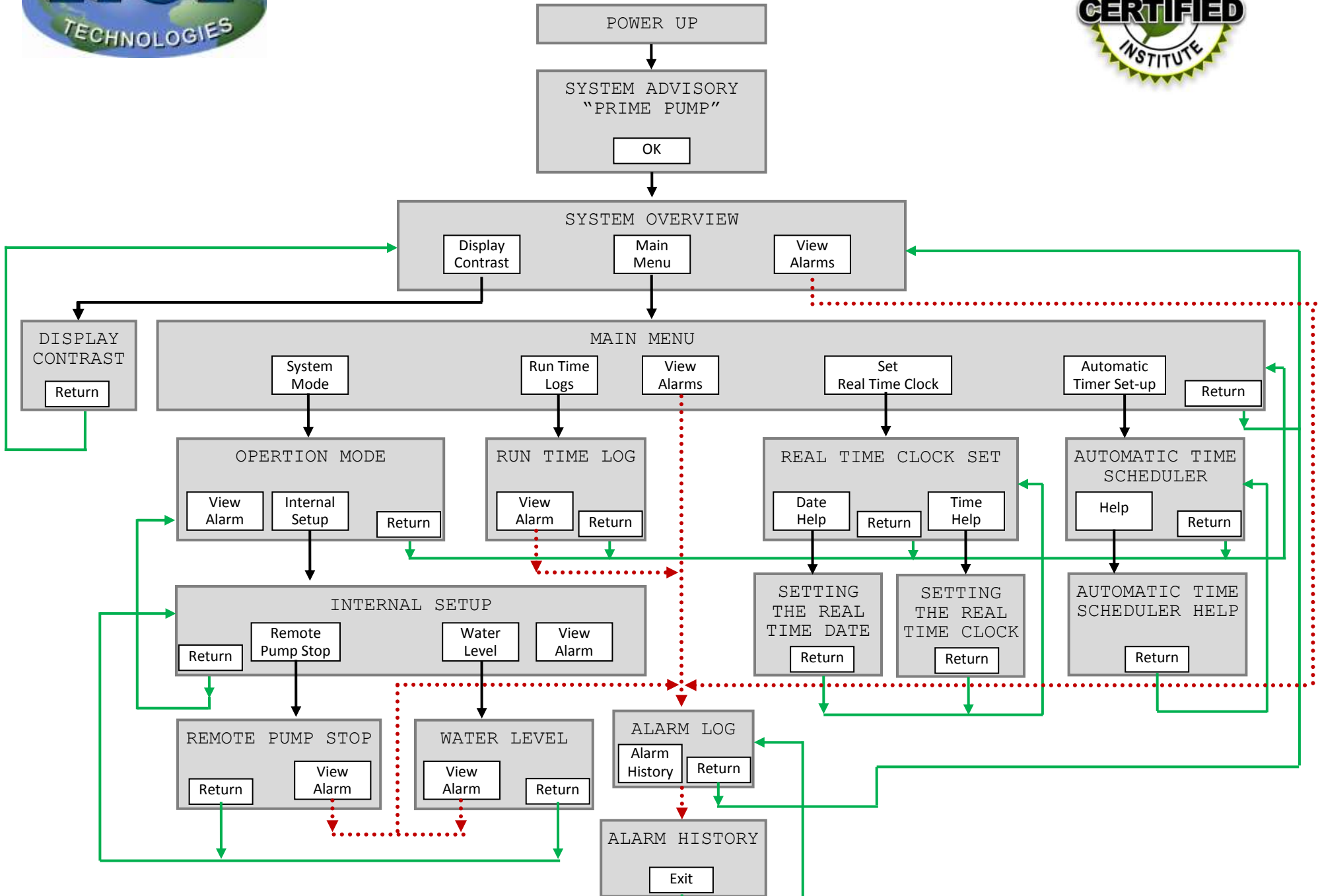
10. **NEMA 4X** Rated Operator Interface Compartment
11. **NEMA 4X** Rated **ELECTRONICS** compartment (PLC, Manual Starter, Motor Contactor) (Cover Not Shown)
12. Air Purge Valve (Manual)
13. RCI Purifier (7 or 40 gpm.)
14. Supply Line Check Valve (.5" or 1" dia.)
15. Unions (3) (.5" or 1" dia.)
16. Priming Tee (.5" or 1" dia.)
17. Supply Line Ball Valve (.5" or 1" dia.)
18. **NEMA 4** Door Seals
19. Internal Locking Mechanism
20. O&M Manual Holder
21. Positive Displacement Pump (5, 11 or 25 gpm.)
22. TEFC Pump Motor (1/3, 1 or 2 HP)
23. Catch Basin with Drain Plug
24. Leak Sensor (1/8" Alarm)
25. Manual Water Drain Valve
26. Water Sensor
27. **NEMA 4X** Rated Customer Interface Compartment (Cover Not Shown)
 - A. **ELECTRICAL INPUT**
 - a. STANDARD (110 or 220 VAC, 60 Hz, 1 Ph)
 - b. OPTIONAL (208/308/480 VAC, 3 Ph)
 - B. **OUTPUTS**
 - a. STANDARD ALARM COMMUNICATION (4 Relays) – Leak Detection, Water, Pressure, Summary
 - b. STANDARD CONTROL RELAYS – for multiple tanks Motorized ball valves.
 - c. OPTIONAL COMMUNICATOR - Modbus RTU or Ethernet Communication
28. Pressure Sensor (Factory Set At 75 psi)
29. Return Line Ball Valve (.5" or 1" dia.)
30. Micro-organism Decontamination Unit





OPERATOR INTERFACE FLOWCHART

All FRS 660 Single and Multi-tank Unit Systems





FIELD WIRING CONNECTIONS

All FRS 660 Single and Multi-tank Unit Systems

Power Supply & Alarm Relay Outputs

NOTE: The only sub-panel that is allowed to be opened by non-certified factory-trained personnel is the **Field Wiring Connection Sub-Panel**. This sub-panel provides all the connections required to be made by field personnel.

This panel provides connections for:

Power Supply – Customer Supplied

- A) Standard 115 or 230 VAC, 60 Hz, 1P (*must specify*)
- B) Optional 208 / 230 / 380 480 VAC, 60 Hz, 3 P (*must specify*)

Alarm Outputs – 4 Dry Contact Relays

Remote Stop – 1 Dry Contact Relay

Options shown on additional drawings:

Motorized ball Valve Control Via:

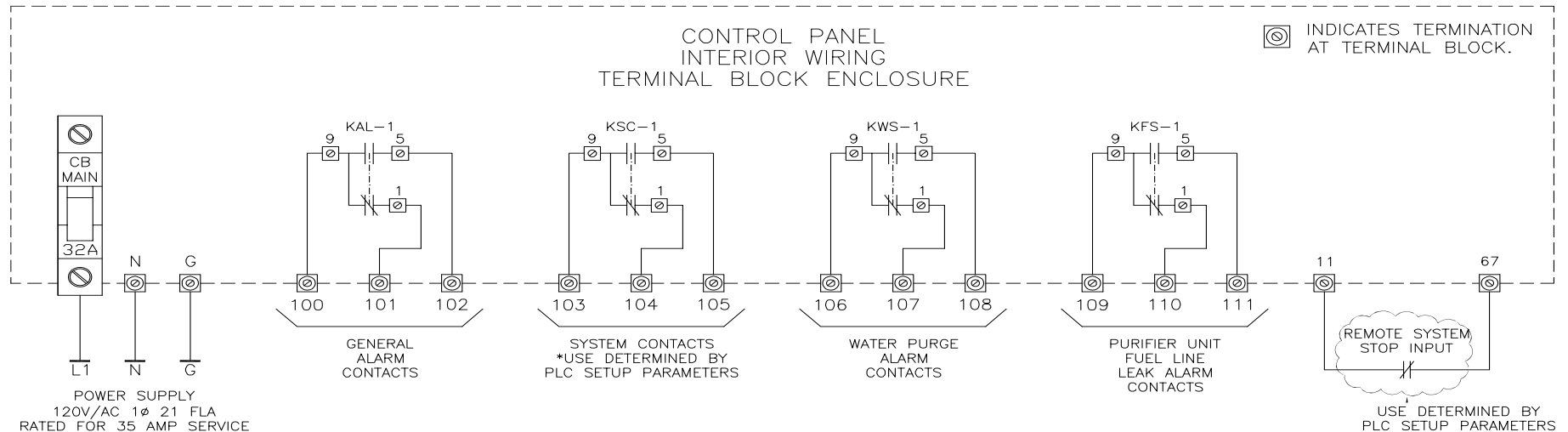
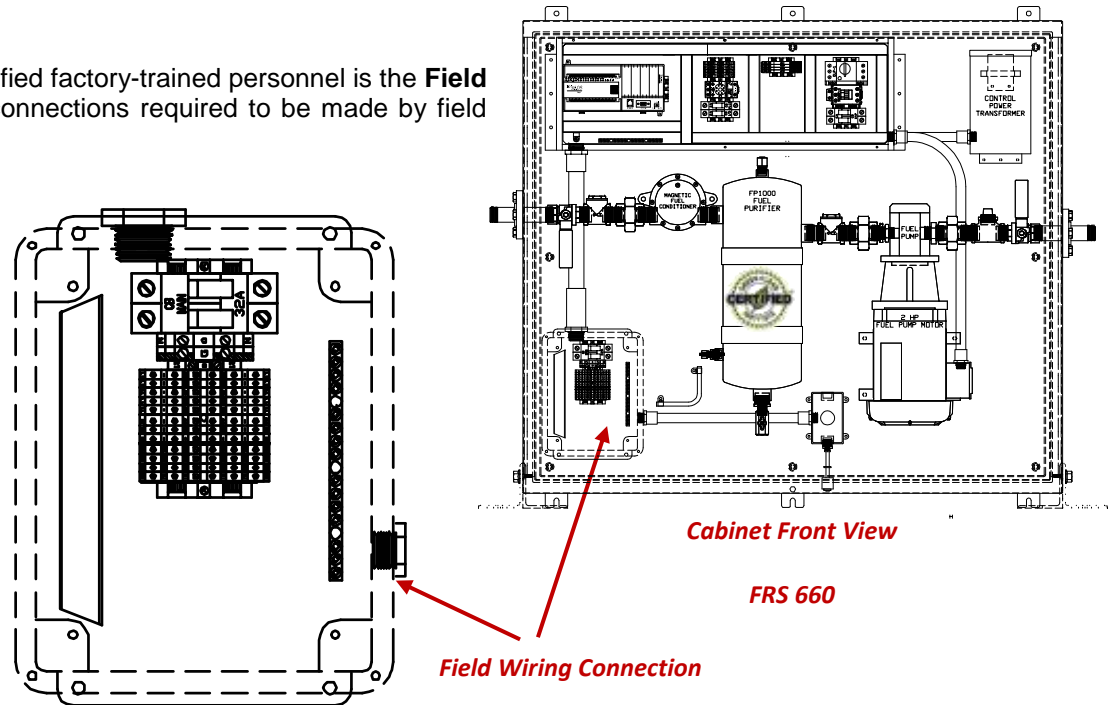
- A) Dry Contact Relays (4 for 2 tanks, 6 for 3 tanks, 8 for 4 tanks)

External Communications VIA:

- A) Ethernet
- B) ModBus RTU
- C) BACNet
- D) LonTalk

Motorized ball valves factory preset normally "OPEN".

(If valves are required to be normally closed, please note on purchase order.)





FIELD WIRING CONNECTIONS

All FRS 660 Multi-tank Unit Systems

Motorized ball Valve Control

NOTE: The only sub-panel that is allowed to be opened by non-certified factory-trained personnel is the **Field Wiring Connection Sub-Panel**. This sub-panel provides all the connections required to be made by field personnel.

Shown:

Three (3) tanks require six (6) Motorized ball valves. Six (6) wires per network. Total six (6) wires required.

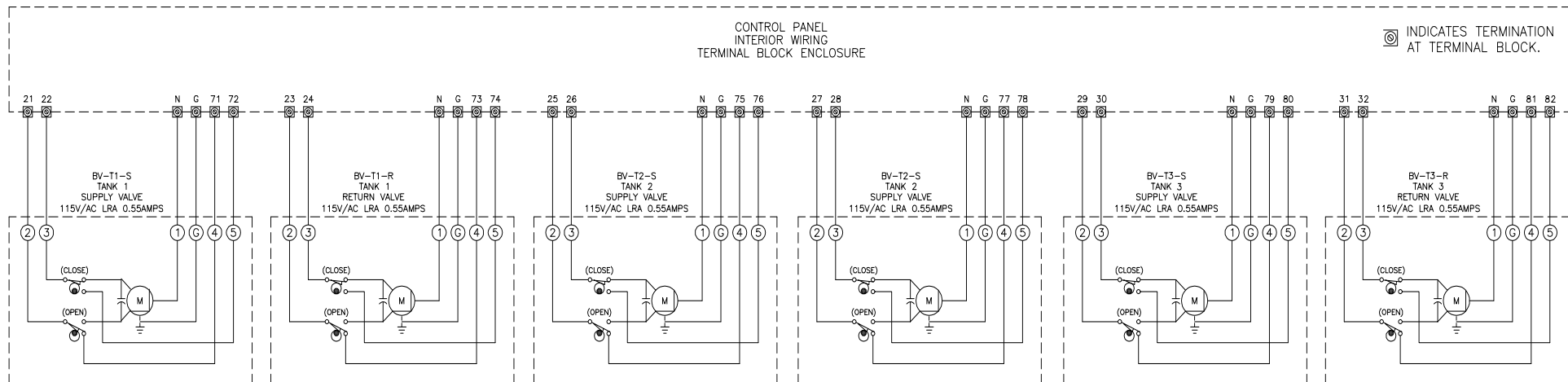
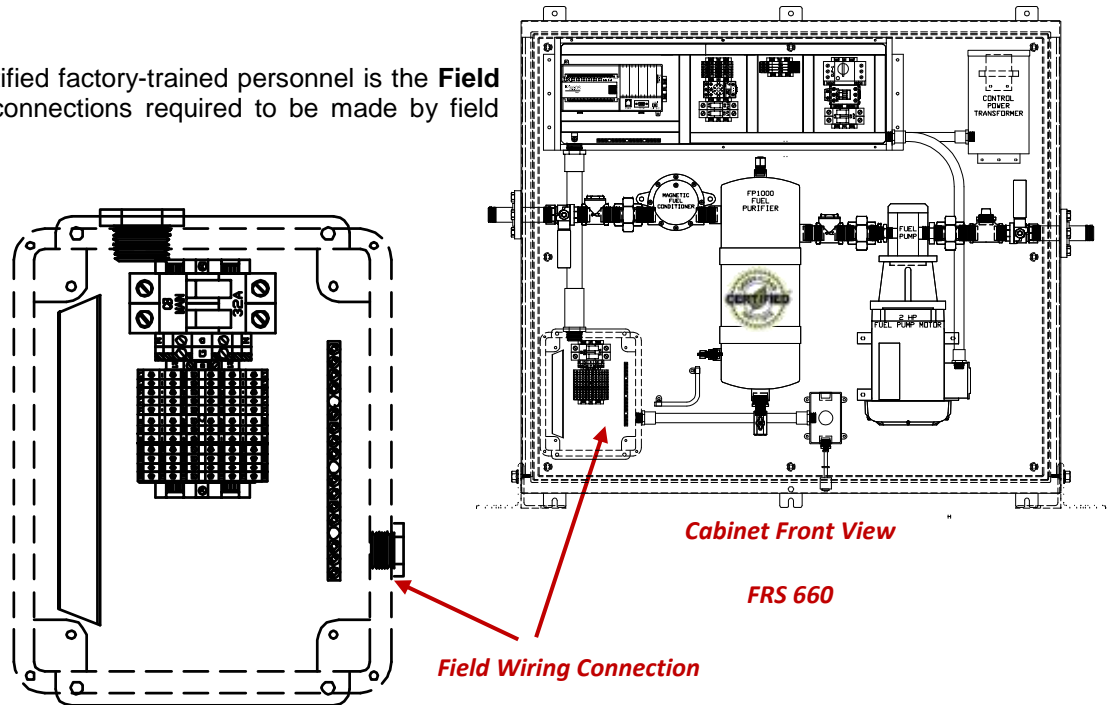
Not Shown:

Two (2) tanks require four (4) Motorized ball valves. Six (6) wires per network. Total six (6) wires required.

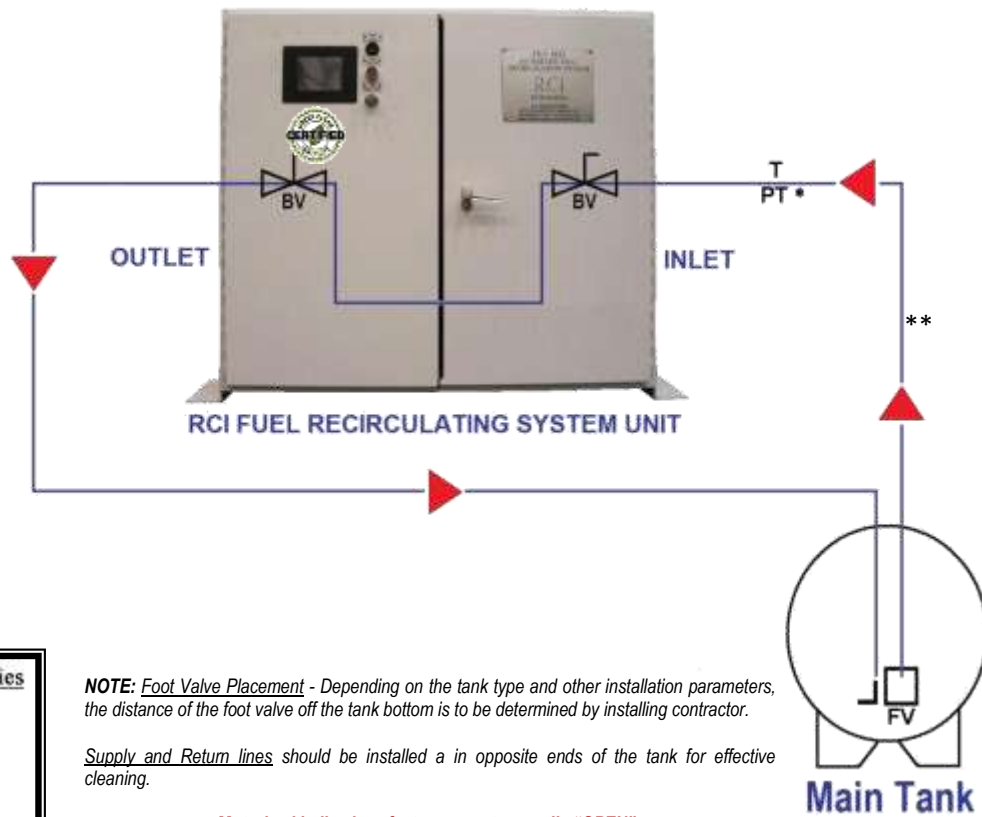
Four (4) tanks require eight (8) Motorized ball valves. Six (6) wires per network. Total six (6) wires required.

Motorized ball valves factory preset normally "OPEN".

(If valves are required to be normally closed, please note on purchase order.)



Single Tank Diagram



Supplied by RCI Technologies

- = Manual Ball Valve
- = Motorized Ball Valve

Supplied by Contractor

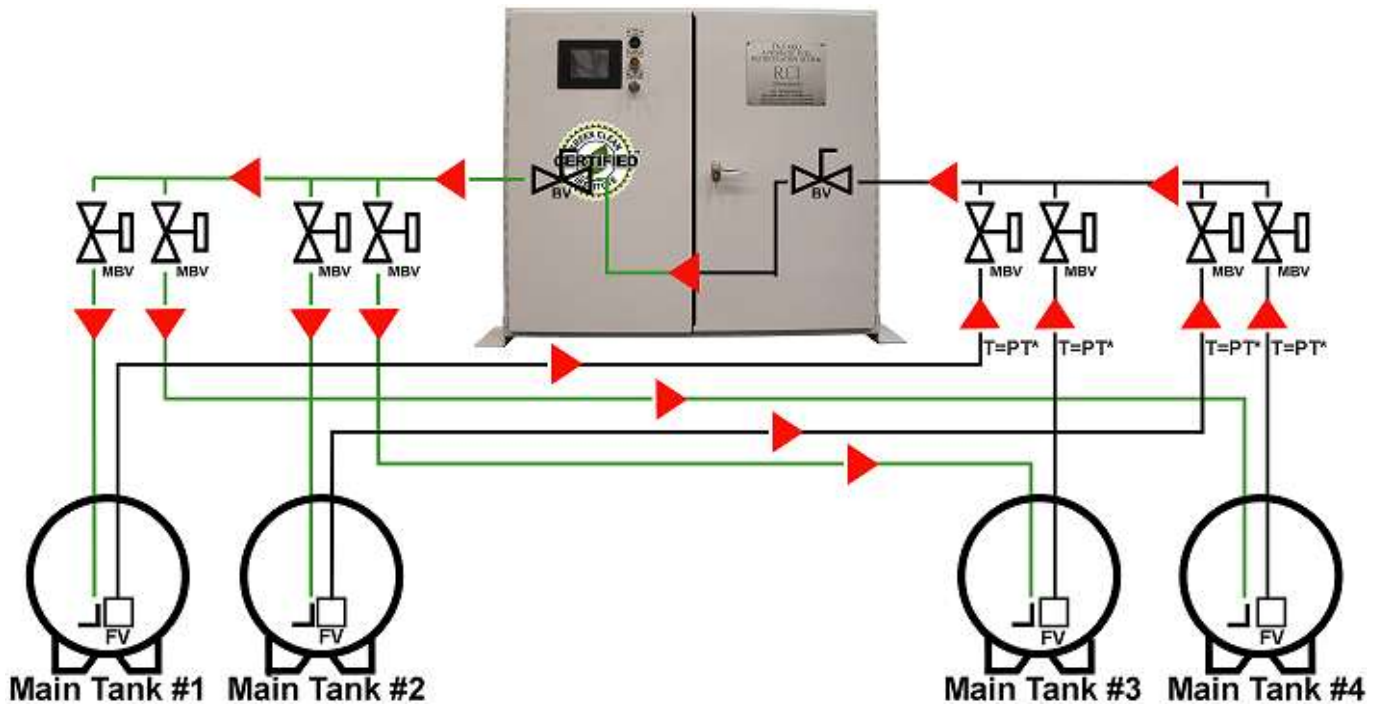
- T=PT = Priming T
- ◆ = Install at Highest Point
- FV = Foot Valve
- └ = 90° Elbow

NOTE: Foot Valve Placement - Depending on the tank type and other installation parameters, the distance of the foot valve off the tank bottom is to be determined by installing contractor.

Supply and Return lines should be installed a in opposite ends of the tank for effective cleaning.

Motorized ball valves factory preset normally "OPEN".
 (If valves are required to be closed, please note on purchase order.)

Multiple Tank Diagram



115 VAC Actuator & Ball Valve

Specification Sheet

PRODUCT NUMBER:

1001

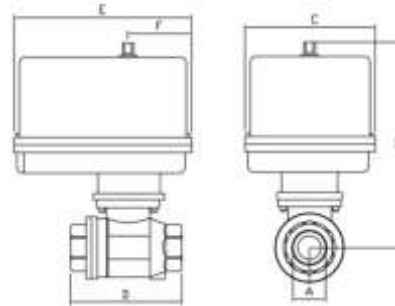
PRODUCT DESCRIPTION:

The 115V Actuator is used on brass motorized ball valves rated at 600 WOG (1/2" for the 5GPM and 11GPM systems, 1" on the 25GPM systems). It is constructed with a NEMA 4 protective cover.

PRODUCT FEATURES:

Product Number	1001
Product Name	115VAC ACTUATOR AND BALL VALVE
Output Torque	100 inch pounds
Cycle Time	2.5 sec/90°
Duty Cycle	75%
Standard Motor	115VAC/60Hz/1ph
Standard Enclosure	NEMA 4
Enclosure Material	Aluminum
Enclosure Coating	Thermal bonding polyester powder
Temperature Rating**	-40°F to +150°F
Thermal Overload Protection	Standard
Manual Override	Standard (omit on NEMA 7)
Lock Rotor Current	0.55 amps
Switches	15A, 1/2 HP 125 250VAC/0.5A/125VDC
Weight	5 pounds

**heater required below 0°F



Section	Ball Valve Size		
	1/2"	1"	1 1/2"
A	1/2"	1"	1 1/2"
B	6.13	6.57	8.29
C	4.00	4.00	4.22
D	2.64	3.35	4.13
E	5.63	5.63	5.63
F	2.31	2.31	2.43
ACT.	100E	100E	200E
WT.	5.82	6.35	10.17

IP-Series 2-Piece Brass Ball Valves

PART #	NAME	MATERIAL	OPTIONAL MATERIAL	QTY
1	BODY	BRASS UNI 5705-65	N/A	1
2	ENDS	BRASS UNI 5705-65	N/A	2
3	BALL	BRASS UNI 5705-65 CHROME PLATED	316SS	1
4	SEAT	TFE	N/A	2
5	BODY SEAL	VITON	N/A	2
6	STEM SEAL	TFE	N/A	1
7	BODY O-RING	VITON	N/A	2
8	STEM O-RING	VITON	N/A	1
9	STEM NUT	BRASS UNI 5705-65	316SS	1
10	STEM	BRASS UNI 5705-65	316SS	1

VALVE FEATURES

- Full port brass valve 1/4” through 4”
- Optional stainless Steel ball & stem 1/4” through 2”
- TFE® seats and seals
- Viton® body o-rings
- ISO mounting pad
- Blowout proof stem
- CE rated

PRESSURE RATING

600 WOG

TEMPERATURE RATING

+297°F Maximum

ACTUATOR FEATURES

PNEUMATIC ACTUATORS

- Rack and pinion design
- Spring return or double acting
- Open and closed adjustment stops
- True NAMUR accessory mounting
- Visual indicator

ELECTRIC ACTUATORS

- 120VAC, 220VAC, 24VAC, 12VDC, 24VDC
- NEMA 4 and NEMA 7
- Manual override
- Visual indicator

NOTE: Maximum temperature rating for standard actuators is 150°F (electric) and 180° (pneumatic). Special seals or heat extensions are available for high temperature service

All Valves Are 100% Electronically Tested At 80 Psi In Both The Open And Closed Positions

Motorized ball valves factory preset normally “OPEN”.
(If valves are required to be normally closed, please note on purchase order.)

NOTE: For options/upgrades, see Options List. Specifications subject to change without notice.

FRS Manifold

Specification Sheet

PRODUCT NUMBER:

N/A (Product standard on every multi-tank (MTU) system)

PRODUCT DESCRIPTION:

A factory assembled manifold with two (2) motorized ball valves designed to receive and return fuel from multiple lines, converge them into one line to deliver through the FRS system and diverge them back to the tanks.

Note: The manifold may be expanded to a 4-tank installation (2 valves per tank).

Motorized ball valves factory preset normally "OPEN".
(If valves are required to be normally closed, please note on purchase order.)

PRODUCT FEATURES:

Product Number	N/A
Product Name	Multi-tank Manifold
Capacity	2 to 4 tank capacity



NOTE: For options/upgrades, see Options List. Specifications subject to change without notice.

FRS OPTIONS LIST

STANDARD & MULTI TANK OPTIONS	1001	Additional Bi-torque 1" Ball Valve (Per Valve)
	1002	Upgrade to 1 1/2" Motorized ball valve (Per Valve)
	1002-F	Upgrade to 1 1/2" Motorized ball valve - <i>Flanged</i> (Per Valve)
	1003	Upgrade to 2" Motorized ball valve (Per Valve)
	1004-F	Upgrade to 1 " Motorized ball valve - <i>Flanged</i> (Per Valve)
	1011	Alarm & Water Tank - Automatic Water Drain w/high level alarm (<i>Includes 15 gal. waste tank</i>)
	1012	Breaker - Main Disconnect w/rotary handle (<i>UL 508 w/22K interrupt capacity</i>)
	1013	Analog Pressure Transducer (<i>used on RPU and when using spin on filters</i>)
	1014	Ethernet - Field Retrofit Operation PLC Module, Operator Interface & 5 port
	1015	Ethernet - PLC Module, Operator Interface & 5 port
	1017	Filter - 3 Micron Spin-On, 1/2" NPT (<i>FRS 660-5</i>)
	1017-A	3 Micron Filter Replacement for 5 Gal. system
	1018	Filter - 3 Micron Spin-On, 1" NPT (<i>FRS 660-11</i>)
	1018-A	3 Micron Filter Replacement for 11 Gal. system
	1018-1	Filter - 3 Micron Spin-On, 1" NPT (<i>FRS 660-25</i>)
	1018-1-A	3 Micron Filter Replacement for 25 Gal. system
	1018-B	141 Micron Filter Replacement for 11 Gal. system (<i>100 Mesh</i>) (<i>FRS 660-11</i>)
	1018-C	141 Micron Filter Replacement for 25 Gal. system (<i>100 Mesh</i>)
	1019	Fuel Transfer (<i>Manual Fuel Transfer via Touch Screen</i>)
	1021	Heater - Thermostatically Controlled System Heater (<i>with shunt trip</i>)(<i>480 Volt</i>)
	1022	Heater - For Purifier (<i>110 Volt</i>) (<i>RCI provided</i>)
	1023	Heater - Thermostatically Controlled Internal Heater (<i>with shunt trip</i>)(<i>115 Volt</i>)
	1025	Main Disconnect Switch - Non-Fused w/rotary handle
	1026	MODBUS RTU output
	1026-1	Bacnet Communication
	1026-2	LON Communication
	1028	Power Options - 208 Volt - 1 Phase – 60 Hz
	1029	Power Options - 230 Volt - 1 Phase – 60 Hz
	1030	Power Options - 208 Volt - 3 Phase – 60 Hz (<i>w/o Rotary Handle Main Disconnect</i>)
	1031	Power Options - 208 Volt - 3 Phase – 60 Hz (with Rotary Handle Main Disconnect)
	1032	Power Options - 230 Volt - 3 Phase – 60 Hz (<i>w/o Rotary Handle Main Disconnect</i>)
	1033	Power Options - 230 Volt - 3 Phase – 60 Hz (with Rotary Handle Main Disconnect)
	1034	Power Options - 380 Volt - 3 Phase – 50 Hz (<i>w/o Rotary Handle Main Disconnect</i>)
	1035	Power Options - 380 Volt - 3 Phase – 50 Hz (with Rotary Handle Main Disconnect)
	1036	Power Options - 480 Volt - 3 Phase – 60 Hz (<i>w/o Rotary Handle Main Disconnect</i>)
1037	Power Options - 480 Volt - 3 Phase – 60 Hz (with Rotary Handle Main Disconnect)	
1039	Interior-Mounted Control Panel (<i>Thermostatically Controlled Inter-Panel Cooling Unit</i>)	
1040	Exterior-Mounted AC Unit (<i>NEMA 4</i>)	
1041	10" Monitor	
1042	High-Intensity Red Strobe Revolving Alarm Light	
1043	Surge Protector	
1044	Additional Programming	
1045	Ventilation Fan - Thermostatically Controlled Ventilation Fan	
1046	Pump upgrade	
1047	Y Strainer (1/2") - Bronze	
1048	Y Strainer (1") - Bronze	
1049	Y Strainer (1/2") - Cast Iron	
1050	Y Strainer (1") - Cast Iron	

CABINET OPTIONS	2001	FRS Mounting Legs
	2002	FRS Mounting Legs - Stainless Steel
	2003	Internal 2 Plug, 115 VAC Maintenance Outlet (<i>Receptacle - install into float receptacle box</i>)
	2004	Automatic Chemical Injection System
	2006	Replace Standard PLC with Micro-logic PLC
	2006-1	Replace Standard PLC with Allen Bradley PLC
	2007	Secondary Containment Flanges (<i>Pipe Interface</i>)
	2008	Polycarbonate Cabinet
	2009	Stainless Steel NEMA 4X Cabinet (<i>48" x 42" x 12"</i>)
	2009-1	Stainless Steel NEMA 4X Cabinet (<i>36" x 36" x 12"</i>)
	2010	Stainless Steel NEMA 4X Cabinet w/Legs (<i>60" x 48" x 16"</i>)
	2012	NEMA 3 Powder-Coated Custom Enclosure
	2013	NEMA 4 Powder-Coated Custom Enclosure (<i>60" X 60" X 20"</i>)

FIELD	Field 1	Field Work - Onsite Start Up Services (1 x 8 hour day) Includes Travel
	Field 2	Field Work - Onsite Training Services (1 x 8 hour day) Includes Travel
	PM	Preventive Maintenance Program

RCI BIO-MAG	BM-250	Bio-Mag Standard Series - 1/4"
	BM-375	Bio-Mag Standard Series - 3/8" (mount)
	BM-500	Bio-Mag Standard Series - 1/2" (mount)
	BM-750	Bio-Mag Standard Series - 3/4" (mount)
	BM-1000	Bio-Mag Standard Series - 1" (mount)
	BM-C500	Bio-Mag Cylinder Series - 1/2"
	BM-C750	Bio-Mag Cylinder Series - 3/4"
	BM-C1000	Bio-Mag Cylinder Series - 1"
	BM-C1500	Bio-Mag Cylinder Series - 1.5"
	BM-C2000	Bio-Mag Cylinder Series - 2"
	BM-FXB250	Bio-Mag Flexible Fuel Line – Barbed Series - 1/4"
	BM-FXB375	Bio-Mag Flexible Fuel Line – Barbed Series - 3/8"
	BM-FXB500	Bio-Mag Flexible Fuel Line – Barbed Series - 1/2"
	BM-FXT250	Bio-Mag Flexible Fuel Line – Threaded Series - 1/4"
	BM-FXT375	Bio-Mag Flexible Fuel Line – Threaded Series - 3/8"
	BM-FXT500	Bio-Mag Flexible Fuel Line – Threaded Series - 1/2"
BM-HVSF1250 / 6000	Bio-Mag High Volume Flanged Series - 1.25" through 6"	

AVIATION LAB	AL-FTK	Fuel Test Kit
	AL-BC	Bacterial Field Test Kit

DEE-ZOL	BPDZ 16oz	16-oz Bottles
	BPDZ 32oz	32-oz Bottles
	BPDZ 1g	1-Gallon Jugs
	BPDZ 5g	5-Gallon Pail
	BPDZ 55g	55-Gallon Drum
DEE-ZOL LIFE	BPDZL 32oz	32-oz Bottle
	BPDZL 1g	1-Gallon Jugs
	BPDZL 5g	5-Gallon Pail
	BPDZL 55g	55-Gallon Drum
MARINE DEE-ZOL	BPMDZ 16oz	16-oz Bottles
	BPMDZ 32oz	32-oz Bottles
	BPMDZ 1g	1-Gallon Jugs
	BPMDZ 5g	5-Gallon Pail
	BPMDZ 55g	55-Gallon Drum
MARINE MXO	BPMMXO 16oz	16-oz Bottles
	BPMMXO 32oz	32-oz Bottle
	BPMMXO 1g	1-Gallon Jug
	BPMMXO 5g	5-Gallon Pail
	BPMMXO 55g	55-Gallon Drum
SUPER-TANE	BPST 32oz	32-oz Bottle
	BPST 1g	1-Gallon Jugs
	BPST 5g	5-Gallon Pail
	BPST 55g	55-Gallon Drum
X-TRA LUBE CONCENTRATE	BPXLC 8oz	8-oz Bottles
	BPXLC 1g	1-Gallon Jugs
	BPXLC 5g	5-Gallon Pail

X-SORB / FIBERLINK	PKPB8U	FiberLink Universal Economy Kit
	PKD208U	FiberLink Universal 20 Gal. Lab Pack Spill Kit
	PKD308U	FiberLink Universal 30 Gal. Lab Pack Spill Kit
	PKD658U	XSORB 65 Gal. FiberLink Univ. Spill Response Kit
	PKD958U	FiberLink Universal 95 Gal. Lab Pack Spill Kit
	W900	XSORB Universal Spill Center - Double Pack
	T6000	Safe Solutions Fuel Tank Breather
	T6000R	Safe Solutions Fuel Tank Breather Refill

PETRO PLUG	PP-306	Petro Plug - 3" Diameter x 6"
	PP-308	Petro Plug - 3" Diameter x 8"
	PP-310	Petro Plug - 3" Diameter x 10"
	PP-406	Petro Plug - 4" Diameter x 6"
	PP-408	Petro Plug - 4" Diameter x 8"
	PP-410	Petro Plug - 4" Diameter x 10"
	PPB-101212	Petro-Plug® Boxes 6" x 12" x 12" Box with Mounting Flange Face
	PIFH-616	6" x 16" Flanged, with 7 inch housing ready to be cast into concrete
	PIF-616	6" x 16" Replacement Cartridge with Flange
	PIH-716	7" x 16" Petro-pipe Housing with Flange
	PI-601	Blind Cover
	PFB-1012	Filtration Baskets For Petro-Pipes
	PI-616-M2	6" x 16" with 2" Male or Female fittings, other sizes available to fit your needs.
	PI-616-M4	6" x 16" with 4" Male or Female fittings, other sizes available to fit your needs.
	PI-616-M6	6" x 16" with 6" Male or Female fittings, other sizes available to fit your needs.
	PIT-410	4" Petro-Pipe w/ 1.5" PIT-410 \$225.00 each male fitting
	PFC-44	Pre-Filter Canister (for PIT-410)

SPI	P-10	SPI Oil-Bond (10 lbs. box)
	B-40	SPI Oil-Bond (40 lbs. box)
	P-12-12	SPI Oil-Bond Pillows - 12" X 12" (10 per box)
	P-10-36	SPI Oil-Bond Pillows - 10" X 36" (4 per box)
	P-10-72	SPI Oil-Bond Pillows - 10" X 72" (4 per box)
	B-04-2	SPI Oil-Bond Booms - 4' X 2 ½" (6 per box)
	B-10-2	SPI Oil-Bond Booms - 10' X 2 ½" (4 per box)
	B-20-2	SPI Oil-Bond Booms - 20' X 2 ½" (4 per box)
	B-6-5	SPI Oil-Bond Booms - 6' X 5" (2 per box)
	B-10-5	SPI Oil-Bond Booms - 10' X 5" (2 per box)
	B-16-5	SPI Oil-Bond Booms - 16' X 5" (1 per box)
	K-34-5	SPI Oil-Bond Spill Kits - Pail, (3) 4' x 2 1/2" Booms, 5 lbs. Particulate (7 gal. max cap.)
	SK-8-15	SPI Oil-Bond Spill Kits - Box, (2) 10" x 2 1/2" Booms, (4) 4" x 2 1/2" Booms, (2) 12" x 12" Pillows, 15 lbs. Particulate (25 gal. max cap.)