



Franklin Electric

FUELING SYSTEMS



CORROSION

CONTROL SYSTEM

CORROSION CONTROL™ SYSTEM

TANK & SUMP CORROSION DETECTION & PREVENTION

Proactively monitor for and remove the main corrosion-causing elements including water and moisture from diesel tanks and gasoline sumps with the Corrosion Control™ System. Keep your system running at peak performance to avoid costly maintenance, equipment replacement, downtime, and even system failure caused by excessive corrosion.



PREVENT TANK CORROSION

The Corrosion Control™ Water Separator provides proactive in-tank corrosion control by removing diesel tank bottom corrosion contributors including water and acid.

AUTOMATED CONTROL & MONITORING

The Corrosion Control™ Water Separator is paired with an EVO™ 600 or EVO™ 6000 console to completely automate operation. From controlling the Water Separator's scheduled run time and monitoring water level, to monitoring for a corrosive environment via the Corrosion Detection Sensor — EVO™ handles it all.

KEEP CONTAINMENT SUMPS DRY

The Desiccant Pack acts to absorb humidity within the containment sump before it turns into corrosion-causing condensation. The Desiccant Pack Sensor communicates via EVO™ when the Desiccant Pack(s) need to be changed to maintain optimal low-humidity.

MONITOR FOR CORROSION

The Corrosion Detection Sensor detects and alerts station owners to the presence of a corrosive atmosphere in tank ullage spaces.

1 MULTIPLEXING SENSOR HUB™

Allows station owners to add the Corrosion Control™ Water Separator, Corrosion Detection Sensor, and other sensors to existing sites without having to break concrete to run new conduit and wires.

2 CORROSION CONTROL™ WATER SEPARATOR

Captures water and acid from the bottom of the tank — the key causes of a corrosive environment.

3 CORROSION CONTROL™ DESICCANT PACK AND SENSOR

Absorbs humidity and conveniently monitors the remaining life of the Desiccant Pack(s) installed within sumps via EVO™ Series. Efficiently manages the service intervals to maintain optimal low humidity and a corrosion-free environment.

4 ADVANCED PROTECTION SUBMERSIBLE PUMP

E-coated and stainless steel components protect the submersible from corrosion.

5 LOW LEVEL WATER FLOAT FOR DIESEL

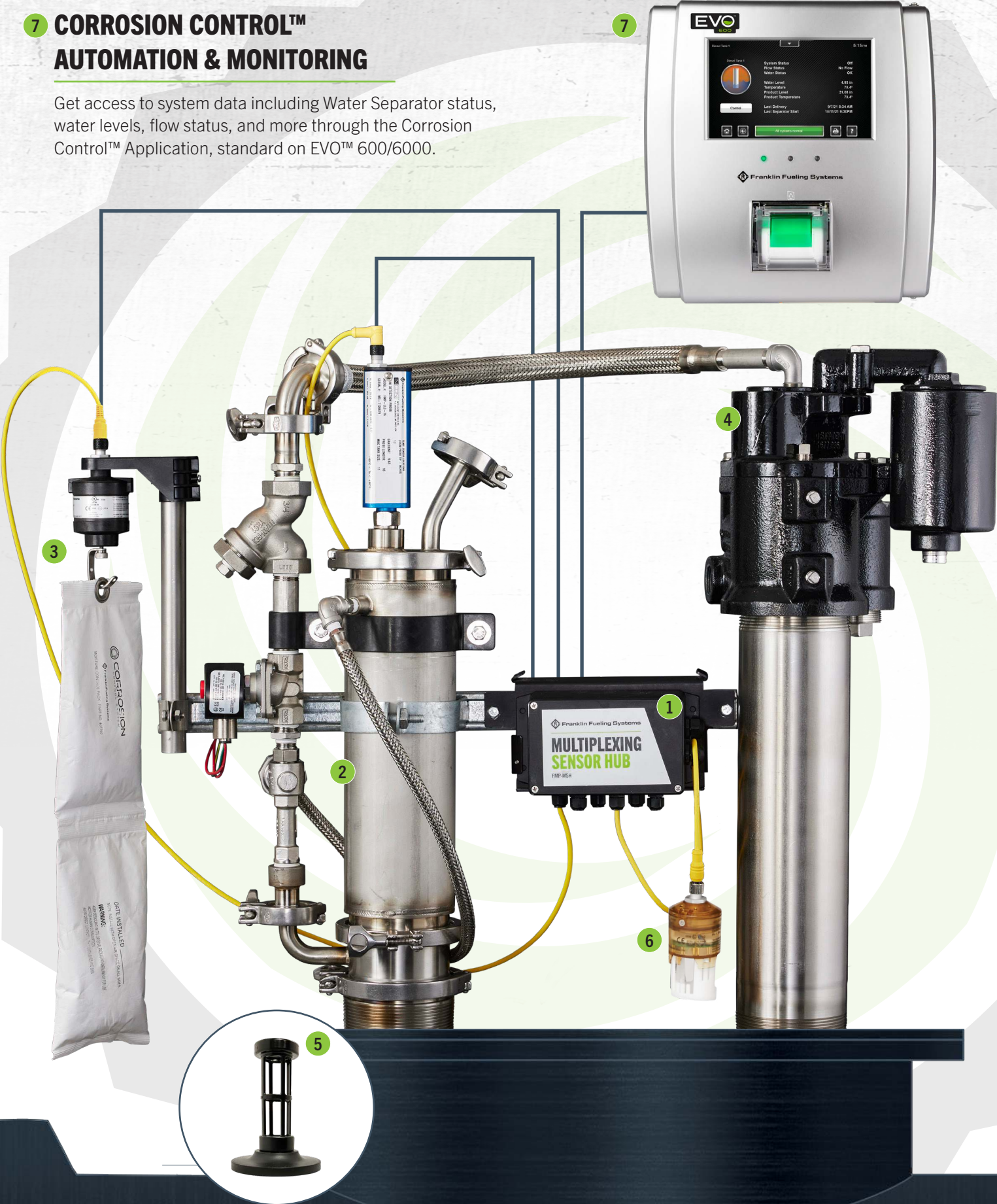
Provides enhanced water level detection down to ¼" delivering earlier indication of the presence of water inside diesel tanks.

6 CORROSION CONTROL™ CORROSION DETECTION SENSOR

Provides ongoing monitoring of the tank environment, alerting when corrosion is present in the tank ullage space.

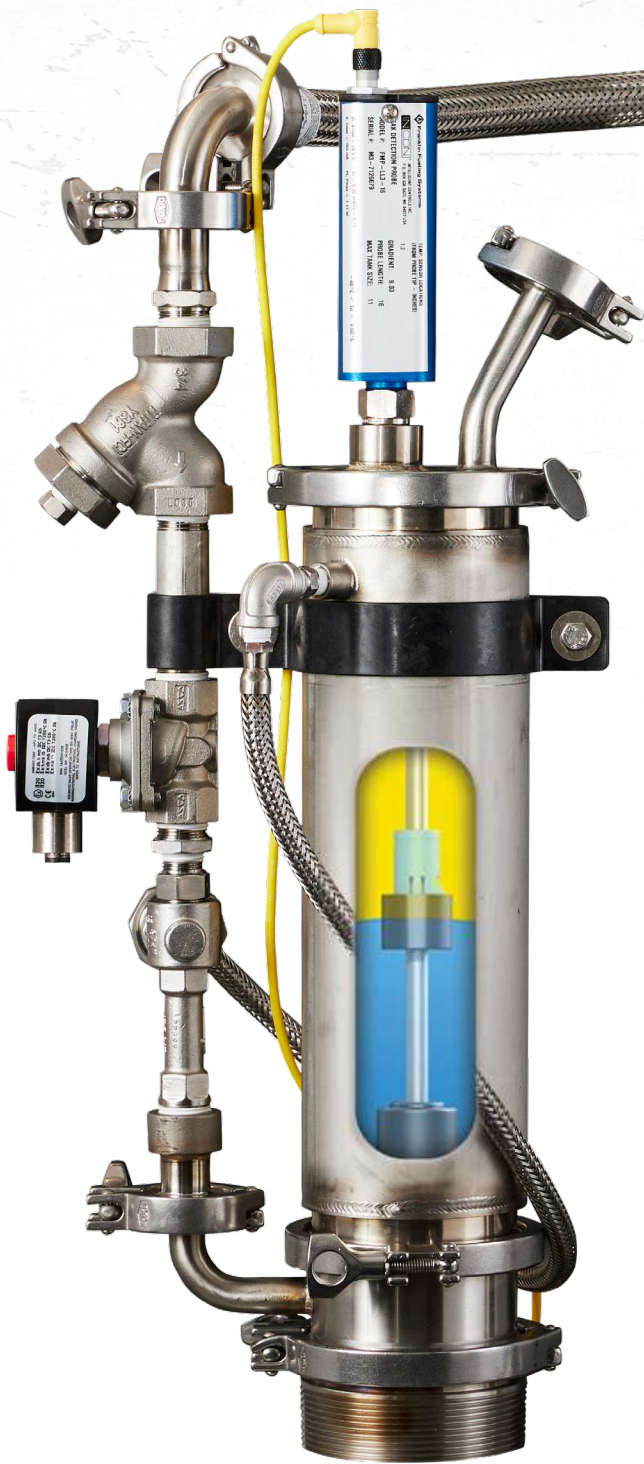
7 CORROSION CONTROL™ AUTOMATION & MONITORING

Get access to system data including Water Separator status, water levels, flow status, and more through the Corrosion Control™ Application, standard on EVO™ 600/6000.



CORROSION CONTROL™ WATER SEPARATOR

The Corrosion Control™ Water Separator provides proactive in-tank corrosion control by removing tank bottom corrosion contributors including water and acid while taking up minimal sump space.



REMOVE WATER & ACID

The Water Separator removes any water/acid mixture off the bottom of the diesel tank and separates it from the clean fuel. The water/acid is collected in the vessel for disposal while the clean fuel is directed back into the tank.



POWERED BY THE PUMP

The Water Separator uses the flow of fuel created by a 4" FE PETRO® submersible turbine pump to generate a vacuum which suctions the tank bottom.



EASY MAINTENANCE

The element-free vessel has no filter to change, eliminating ongoing replacement costs. The collected water/acid mixture is removed 2-3 times* per year by a service technician, keeping the tank clear of the harmful corrosion-causing mixture.



LEVERAGE THE POWER OF EVO™

Control and monitoring is provided via an EVO™ Series 600/6000 console which automates the separator run times and lets you know when the vessel is ready to be emptied.

**Number of water separator vessel clearings may vary based on a new site build vs. a retrofit site.*

CORROSION CONTROL™ AUTOMATION & MONITORING

The EVO™ 600/6000 are compatible with the Corrosion Control™ Water Separator, Corrosion Detection Sensor, and Desiccant Pack Sensor, allowing owners to automate the removal of corrosion-causing water from tanks and monitor for corrosive environments. Get access to system data including Water Separator status, water levels, flow status, and more through the Corrosion Control™ Application, now standard on EVO™ 600/6000 consoles.



UPGRADE YOUR EVO™

Get all the Corrosion Control™ System capabilities of the EVO™ 600/6000 on an existing EVO™ 550/5000 with the easy-to-install EVO™ Series Upgrade Kit.

EVO™ Series Upgrade Kits include everything needed to transform the existing EVO™ 550/5000 to an EVO™ 600/6000 including:

- Controller Module
- Communication Port
- WiFi Hardware (optional)



CORROSION CONTROL™ COMPONENTS

Add these Corrosion Control™ System items to your site to proactively prevent and detect corrosion.

HUMIDITY ABSORPTION

The Corrosion Control™ Desiccant Pack and Sensor provide proactive in-sump humidity absorption and notification via the EVO™ Series when a Desiccant Pack needs to be replaced to efficiently maintain a corrosion free environment.



LOW LEVEL WATER FLOAT FOR DIESEL

Even small levels of water in a tank can lead to corrosion. The Low Level Water Float for Diesel can detect water levels down to 1/4", so station owners can be alerted sooner and react to water before problems develop.

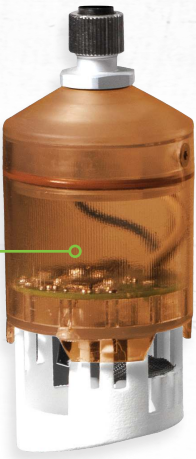


COST-EFFECTIVE UPGRADING

The Multiplexing Sensor Hub™ eliminates the added costs of digging up the forecourt to install more conduit and pull new wire. Install the Corrosion Control™ Water Separator & Corrosion Detection Sensor in an existing site easily.

CORROSION DETECTION

The Corrosion Control™ Corrosion Detection Sensor provides proactive automated detection notification of a corrosive environment in the tank ullage space. The sensor will go into alarm with the presence of corrosion formation on a replaceable sacrificial detection screen.



ADVANCED PROTECTION STP

Available as a factory installed option on STPAG and IST biofuel compatible pumps, Advanced Protection includes powder-coated and E-coated surfaces and all-stainless steel components to defend the pump from accelerated corrosion.

CHOOSING THE RIGHT CORROSION CONTROL™ SYSTEM SOLUTION

Depending on the fuel type and functional area of corrosion occurrence, Franklin Electric offers a Corrosion Control™ System solution tailored to each unique application.

CHALLENGE: CORROSION IN A DIESEL FUEL SYSTEM



WATER SEPARATOR

The Water Separator will remove water from the diesel tank, preventing corrosion from forming in the fuel system.



LOW LEVEL WATER FLOAT FOR DIESEL

The low level water float will detect water as low as 1/4", notifying of water in the diesel tank earlier than traditional floats.

CHALLENGE: CORROSION IN A GASOLINE FUEL SYSTEM



DESICCANT PACK & SENSOR

The Desiccant Pack absorbs humidity from the environment before it can begin to corrode the tank sump hardware. The Desiccant Pack Sensor with the EVO™ interface monitor when the Desiccant Pack(s) need to be replaced.

CHALLENGE: CORROSION IN ALL FUEL SYSTEMS



EVO™ 600/6000

The EVO™ 600/6000 provides automated operation of the Water Separator and monitoring of the Corrosion Detection Sensor.



CORROSION DETECTION SENSOR

The Corrosion Detection Sensor monitors the tank ullage for the presence of a corrosive atmosphere and provides status via the EVO™ 600/6000.



MULTIPLEXING SENSOR HUB™

For retrofitting new sites, the Multiplexing Sensor Hub™ facilitates the additional sensor inputs needed to run and monitor the Water Separator or the Corrosion Detection Sensor without having to run new conduit.



ADVANCED PROTECTION STP

Advanced Protection provides protection against accelerated corrosion of the submersible pump in the tank and in the sump.



CORROSION

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TOTAL SYSTEM SOLUTIONS™



Franklin Electric
FUELING SYSTEMS

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FFS-0747 03-24