



Franklin Electric
FUELING SYSTEMS

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. The Water Separator uses the flow of fuel created by a 4" FE PETRO® Submersible Turbine Pump (STP) to generate a vacuum which suctions the tank bottom. The separator vessel collects any water/acid mixture and the clean fuel is directed back into the tank. The water/acid mixture is then removed by a service technician, keeping the tank clear of the harmful corrosion-causing mixture.

HIGHLIGHTS

- Compatible with any new or existing FE PETRO® 4" STP.
- Mounts to any 4" riser including either an STP riser or probe riser.
- Element-free vessel has no filter to change, eliminating ongoing replacement costs.
- All stainless steel construction for corrosion resistance.
- Comprised of UL recognized components.
- Height adjustable tank bottom suctioning kit can accommodate tanks up to 10' in diameter.
- Automated control and monitoring is provided via an EVO™ 600/6000.
- The EVO™ runs the Water Separator for 45 minutes after each delivery as well as once a day during a non-peak time to remove any water/acid mixture that drops to the tank bottom.
- During scheduled operation, the EVO™ opens the Water Separator's solenoid valve to allow fuel to begin flowing through the separator vessel while a flow switch monitors the system for positive flow.
- An integrated LL3 Probe monitors separator operation and provides a notification to empty the vessel via the EVO™.
- Short profile to fit in many different sumps.



SPECIFICATIONS

Vessel Capacity	¾ gallon of water/acid mixture
Eductor Flow	8 GPM flow to drive suction pickup
Suction Pickup	¼ GPM
Containment Sump Requirements	– Minimum of 30" of height inside the tank sump – Accessible 4" port in the tank manway – At least 11" envelope for vessel and adjacent piping – High-voltage conduit for solenoid wiring – Intrinsically safe conduit for Water Separator probe
EVO™ System Requirements	– EVO™ 600 or EVO™ 6000 – EVO™ Series latest firmware version – Access to in-tank product level readings (for delivery events and recirculation runtime) – 1 open Relay Module port (for solenoid) – 1 open UDP Module input, Probe Module input, or MSH input (for vessel probe)

SYSTEM COMPONENTS

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



**EVO™ 600 OR
EVO™ 6000**



**ADVANCED
PROTECTION STP**



**MULTIPLEXING
SENSOR HUB™**



**CORROSION
DETECTION SENSOR**



**DESICCANT
PACK & SENSOR**



**LOW LEVEL
WATER FLOAT**

ORDERING INFORMATION

Corrosion Control™ Water Separator

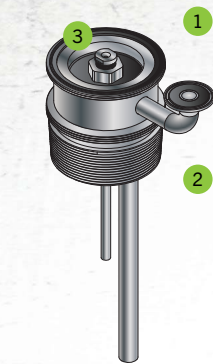
Model	Description
407985903	Corrosion Control™ Water Separator, includes items #1 though #11 below
407945910	Water removal hand pump
403963001	13" cable ties, 100 pack

Corrosion Control™ Water Separator Component Kits

Item	Model	Description
1	407945914	Water Separator Vessel Kit
2	407945917	Water Separator-to-Eductor Kit
3	407945918	Installation Hardware (not shown)
4	407945919	Water Separator Float Kit
5	407945921	Water Separator Suction Adapter Kit
6	407945922	Water Separator Suction Tube Kit
7	407945925	Water Separator Vessel Cover Kit
8	407945926	Eductor Manifold Kit
9	407945928	STP-to-Eductor Kit
10	FF07X24EZ05F	¾" x 24" Flexible Connector (EZ FIT x Female)
11	FMP-LL3-16-WS	16" LL3 MAG Probe Kit

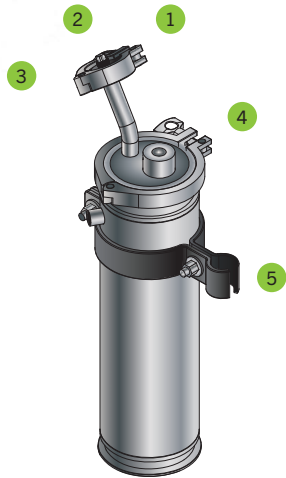


Water Separator Suction Adapter Kit Replacement Parts



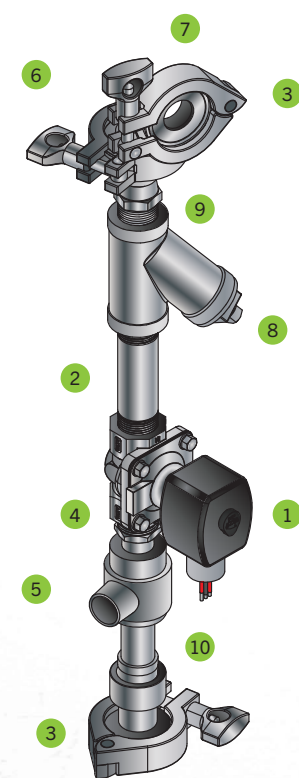
Item	Model	Description
1	EZ40CLAMP	4" EZ FIT clamp (Not shown)
2	407493004	4" EZ FIT gasket
3	10000017049	Water Separator Check Valve (comes with kit p/n 407945922)

Water Separator Vessel & Cover Kit Replacement Parts



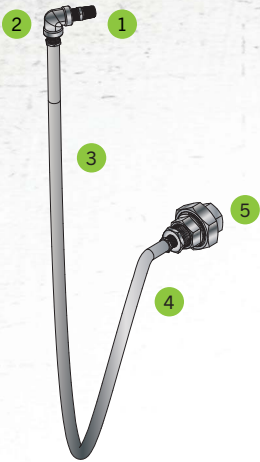
Item	Model	Description
1	EZ10CLAMP	1" EZ FIT clamp
	407493001	1" EZ FIT gasket
2	10000002180	1" EZ FIT removal cap
3	403499001	¼" NPT pipe plug
4	EZ40CLAMP	4" EZ FIT clamp
	407493004	4" EZ FIT gasket
5	407945920	Eductor clamp kit

Eductor Manifold Kit Replacement Parts



Item	Model	Description
1	407938001	¾" solenoid valve
2	Purchase locally	¾" NPT x 4" stainless steel nipple
3	EZ10CLAMP	1" EZ FIT clamp
	407493001	1" EZ FIT gasket
4	Purchase locally	¾" NPT stainless steel coupling
5	407939001	¾" Eductor, stainless steel
6	EZ10CLAMP	1" EZ FIT clamp
	407765001	1" EZ IT orifice plate
7	407995001	1" EZ FIT X EZ FIT elbow
	407941001	¾" Y strainer
8	407774901	¾" Y strainer replacement screen only
	403499002	¾" NPT pipe plug
9	407953004	Bushing adaptor
10	EZ10X07FSS	EZ FIT x ¾" FNPT, Stainless Steel Adapter

Water Separator-To-Eductor Kit Replacement Parts



Item	Model	Description
1	407764001	1/4" NPT flow orifice
2	Purchase locally	1/4" NPT stainless steel elbow
3	407984001	1/4" X 36" long flex connector
4	Purchase locally	1/4" NPT x 3/4" NPT stainless steel bushing
5	Purchase locally	3/4" NPT stainless steel union

Legacy/Replacement Parts

Item	Model	Description
1	407945911	Plunger Valve
2	10000002278	Check Valve
3	FF07X24EZXEZ90	Flexible connector, 3/4" x 24", EZ FIT x EZ FIT 90° elbow

