

RGF's Advanced Emulsion Splitting and Encapsulation Treatment System



ESP 250

**ESP 400
ESP 600**

Operation

The collected wastewater is stored in a holding tank (optional) after free oils and heavy solids have been removed. The water is then automatically transferred to the ESP System processing tank. The Water is pre-mixed with the QF Series Floc which is added automatically. The programmed mixing cycle creates a rapid floc which separates and then encapsulates the contaminants removing them from the water. The encapsulated material is then allowed to settle, separating the solids from the water. The now filterable sludge is dispensed to a filter belt for dewatering. The filter belt is automatically advanced when the filter becomes clogged. The filtered water is collected in a tray and directed to discharge or collection. The collected and dried sludge in many cases meets disposal standards for non-hazardous landfills and T.C.L.P. tests. It is recommended that EPA toxicity tests be conducted to determine the leachability of individual filter cakes.

Applications

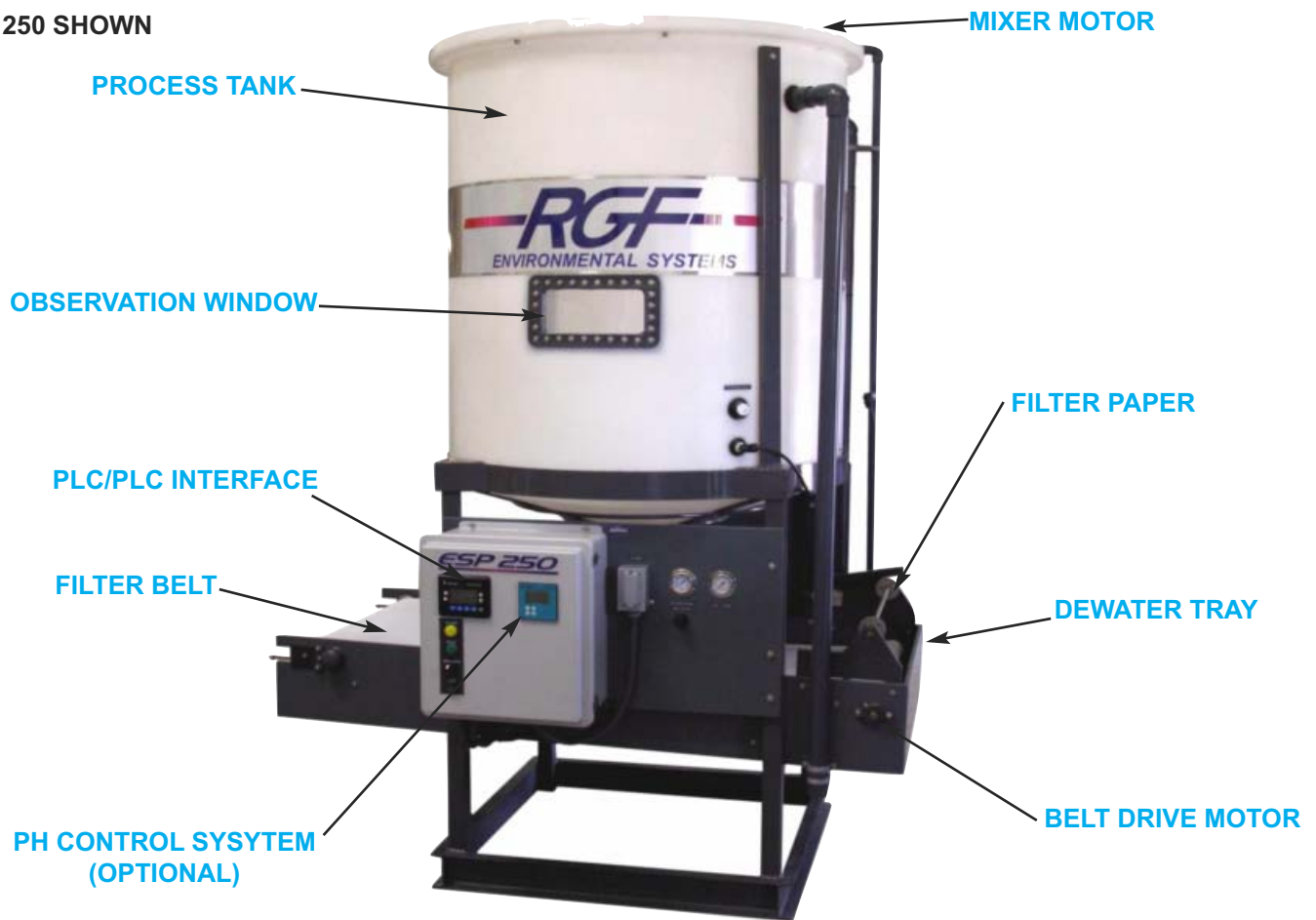
The ESP Systems are designed to treat or recycle waste streams from industries such as:

Latex manufacturing plants	Silk screen painting
Paint and die manufacturers	Creosote plants
Carpet manufacturing plants	Dioxin
Glue manufacturing plants	Grinding fluids
Texture coatings manufacturers	Detergent emulsions
Metal working coolants	Paint spray booths
Parts washing waste	Floor scrubber waste
Oil water emulsions	Carpet cleaning waste

Advantages

- RGF is the Recognized Leader with thousands of systems installed world wide since 1985.
- Multiple safety system controls.
- Handles a wide range of waste
- Waste Stream Specific Chemical encapsulation agents.
- Free Water and Operating Cost Analysis
- State-of-the-art controls
- Auto self-cleaning Process Tank
- UL-508A Panel Shop Certified
- Best warranty in the industry
- Low operating cost
- Low Maintenance.
- Fully automatic, easy-to-use, versatile
- Meets National Electric Code for indoor maintenance facilities.
- Typical filter cake meets T.C.L.P. standards
- Computerized process and safety system

ESP 250 SHOWN



Metals



Emulsified oils



Ink & paint waste

SPECIFICATIONS

MODEL	ESP-250	ESP-400	ESP-600
TREATMENT CAPACITY	250	400	600
TREATMENT TYPE	BATCH	BATCH	BATCH
AIR SUPPLY	100 psi @ 20 SCFM	100 psi @ 35 SCFM	100 psi @ 35 SCFM
PROCESS CONTROL	AUTOMATIC	AUTOMATIC	AUTOMATIC
FLOCCULANT	QF SERIES	QF SERIES	QF SERIES
ELECTRICAL	220 VOLT 1 PHASE 20 A	220 VOLT 1 PHASE 25 A	220 VOLT 1 PHASE 30 A
SUMP PUMP	1/2 HP 115 V 7.2 A	1/2 HP 115 V 7.2 A	1/2 HP 115 V 7.2 A
DIMENSIONS	8'H X 7'W X 5'D	12'H X 8'W X 7'D	12'H X 8'W X 7'D
FILTER PAPER	50 MICRON	50 MICRON	50 MICRON

RGF Environmental Group, Inc.

1101 West 13th Street (Port of Palm Beach Enterprise Zone) Riviera Beach, Florida 33404
 800 842-7771 561 848-1826 Fax 561 848-9454 www.rgf.com