



# VITA ESP II

## Contamination Control Unit



VITA delivers ESP • Electrophysical Separation Process



MAXIMIZING ASSET LIFE THROUGH TECHNOLOGY

# CLEAN YOUR SYSTEMS OF VARNISH & EXTEND THE LIFE OF YOUR LUBRICANTS.

## LATIN FOR “LIFE”, VITA WILL HELP INCREASE THE LIFE OF YOUR FLUID

Fluitec's VITA ESP II System provides you with maximum flexibility to control contaminants in your critical lubrication systems. The VITA ESP II allows you to remove the most damaging types of contaminants in your fluid.

### VITA IS VERSATILE

Multi-Purpose Filter housing can accommodate **ESP**, **ENDURE IX** and **Depth Media** elements. The system can be easily configured depending on your condition and application. Can also accommodate other Fluitec filtration technologies such as particulate, water adsorption, and Spark-Free filters.

### SOFT CONTAMINANT REMOVAL

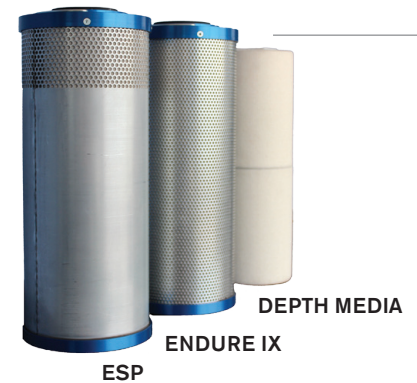
Mitigate the damaging effects of Sludge & Varnish using Fluitec's patent-pending Electrophysical Separation Process™ (ESP) technology. Proven technology on hundreds of installations across 5 continents.

### HARD CONTAMINANT REMOVAL

Efficiently remove dirt, debris and wear metals using high efficiency Depth Media down to 3 microns. Will help maintain excellent system cleanliness.

### PHOSPHATE ESTER CONTAMINANT REMOVAL

Our ENDURE technology removes all phosphate ester fluid degradation products, such as acids, gels and varnish.

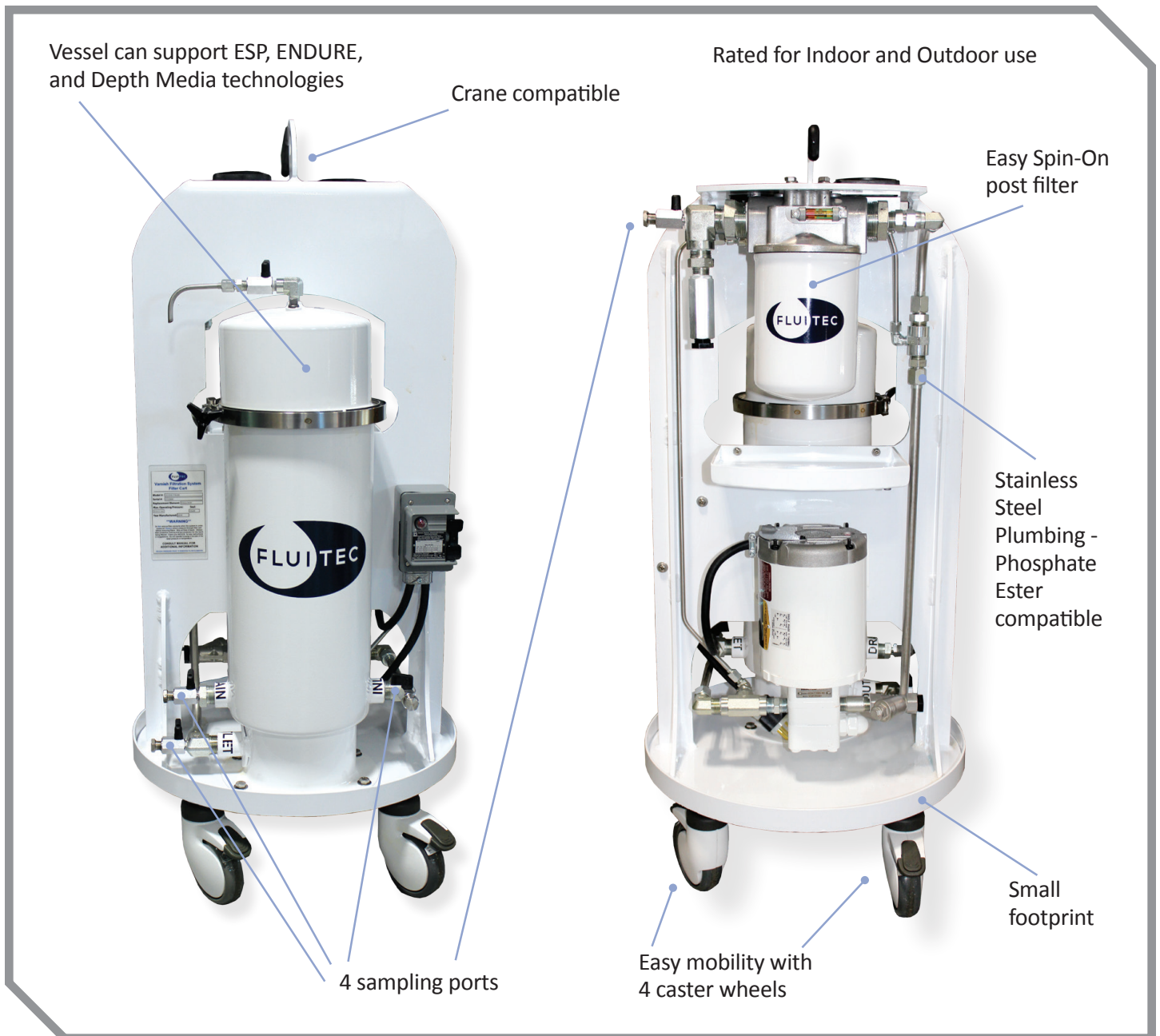


“The reliable operation of our turbines and compressors is of critical importance to Siemens. Providing our customers with Fluitec's ESP technology allows them to extend the life of their lubricant assets while improving plant efficiencies and uptime.”

—SIEMENS AG ENERGY



# VITA ESP II MECHANICAL COMPONENTS



For best overall performance and a Fill-For-Life lubrication system, or to get the most out of cleaning your system, **we recommend ESP and our Boost product line.**

## Boost AO

Range of customized chemistries to extend oil life through antioxidant replenishment

## Boost VR

Risk-free way of removing varnish deposits from your system.



# VITA + ESP IMPROVES RELIABILITY AND SLASHES O&M COSTS.

## APPLICATION

### VITA ESP + Depth Media

Clean Soft and Hard Contaminants from your lubricating system

Model	Features	Description	Advantages
VITA ESP II	ESP, ENDURE and Depth Media Element inserts for small to medium sized applications.	Contamination control system for varnish mitigation and particulate removal in rotating equipment with reservoirs up to 3500 (13,000 L).  Contamination control system for acid scavenging and all degradation products in Phosphate Ester fluid applications with reservoirs up to <400 gal (<1500 L)	Uses easy-to-replace element inserts designed for small to medium sized reservoirs. Lower cost of ownership with more efficient replacement elements, save money on shipping and more environmentally friendly. Versatile: Can use ESP, ENDURE and Depth Media

## TECHNICAL DATA

Purpose	Contamination Control System, Varnish Mitigation
Application	Lubrication reservoirs less than 3500 gals (1300L)
Inlet Connections	1/2 in (1.27cm) FNPT
Outlet Connections	1/2 in (1.27cm) FNPT
Flow Rate	Flow rate varies with installed filter combinations
ISO Viscosity Range	ISO 32 - 68
Fluid Temp Range	86 - 160°F (30 - 71°C)
Ambient Air Temp	50 - 122°F (10 - 50° C)

## DIMENSIONS: I x w x h

VITA ESP II	20 in (51 cm) x 20 in (51 cm) x 40 in (102 cm)
VITA ESP II FILTER CARTRIDGE	7 in (18 cm) x 7 in (18 cm) x 18 in (46 cm)

## WEIGHTS

Shipping weights vary with product model and filtration options.  
All weights dry and include media. Approx. 160 lbs (73 k)

## MOTOR

MODEL	MOTOR FLA
VITA ESP II	6A @110-120V, 60Hz, 1 $\phi$ (110V, 50Hz, 1 $\phi$ ) 3A @ 220-240V, 60Hz, 1 $\phi$ (220V, 50Hz, 1 $\phi$ )

## POWER SUPPLY

PHASE	FREQUENCY	VOLTAGE
1	50Hz	110V
1	60Hz	110V - 120V
1	50Hz	220V
1	60Hz	220V - 240V

### Specifications concerning products and applications

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