

vita espTM III

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™ III** System provides you with maximum flexibility to control contaminants in your critical lubrication systems. The Vita ESP III allows you to remove the most damaging types of contaminants in your fluid.

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.

VITA IS VERSATILE

Multi-Purpose Filter housing can accommodate ESP and Depth media elements. The system can be easily configured depending on your condition and application.

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 III MECHANICAL COMPONENTS

Flow Meters Monitor Flow to Ensure
Maximum Efficiency of Filtration

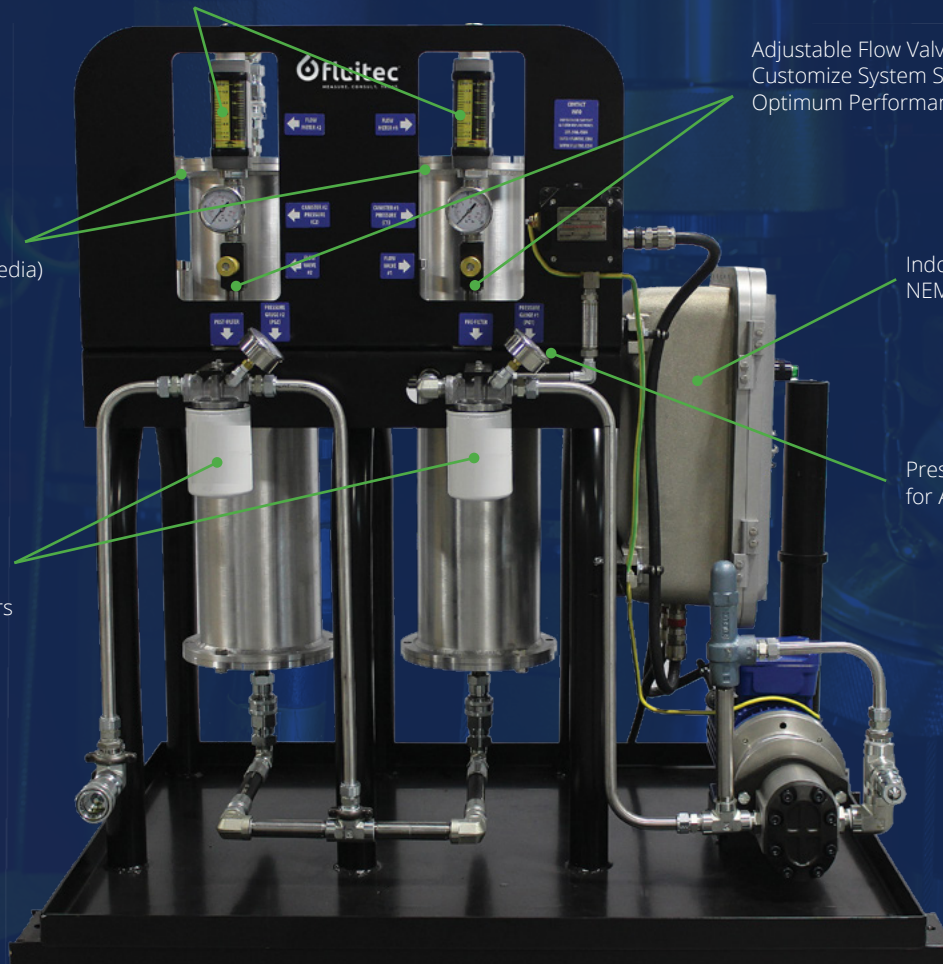
Adjustable Flow Valves to
Customize System Setting for
Optimum Performance

Multiple Types
of Filtration
(ESP + Depth Media)

Indoor/ Outdoor
NEMA Rated

Easy Spin-On,
Quick-change
Microfiberglass
Particulate Filters

Pressure Switch
for Added Safety



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 DECON product line.

decon™

Dissolves varnish and organic deposits and offers long-term protection

decon ao™

Eliminates deposits and re-balances antioxidants



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 III-E | ESP Element inserts for medium sized applications | Contamination control system for varnish mitigation in rotating equipment with reservoirs between 3500-8000 gal (13,000-30,000 L) | Uses easy-to-replace element inserts designed for medium sized reservoirs. Lower cost of ownership with more efficient replacement elements, save money on shipping and more environmentally friendly. Versatile: Can use both ESP and Depth Media |
| VITA ESP III | Direct ESP media fill for handling larger reservoirs | Contamination control system for varnish mitigation in rotating equipment with reservoirs greater than 8000 gal (30,000 IL) | Uses direct media fill into vessels to maximize ESP media volume for fast results and the largest reservoirs. Versatile: Can use both ESP and Depth Media |
| VITA ESP III-P | Multiple sensors and CAT5(e) communication capabilities | Contamination control system for varnish mitigation in rotating equipment with reservoirs greater than 8000 gal (30,000 L). With sensors and PLC | The Plus (P) model has a PLC with multiple sensors and CAT5(e) communication capabilities in order to monitor critical performance and operational information of the unit. Uses direct media fill into vessels to maximize ESP media contact time with the fluid. Versatile: Can use both ESP and Depth Media |
| VITA ESP III-XP | ATEX/IECEx Certified, Explosion-Proof rating | Contamination control system for varnish mitigation in rotating equipment with reservoirs greater than 8000 gal (30,000 L). Includes ATEX/IECEx Certification for Explosion-proof rating: II 3G Ex db ec IIB T4 Gc II 3G Ex db ec IIB+H2 T4 Gc* II 3G Ex h IIB T4 Gc -20°C ≤ Ta ≤ 40°C * For model CC-VT3-ATXB-C-H2 only | The XP (Explosion-Proof) model is certified by Intertek to ATEX/IECEx standards. Uses direct media fill into vessels to maximize ESP media contact time with the fluid. Versatile: Can use both ESP and Depth Media |
| VITA ESP III-PN | Pneumatic, 'Air Driven' motor, no electrics. Great for Hazardous Environments | Contamination control system for varnish mitigation in rotating equipment with reservoirs greater than 8000 gal (30,000 L). | No electric components, pneumatic pump powers the motor, great for hazardous environments. Only compressed air is needed. Uses direct media fill into vessels to maximize ESP media contact time with the fluid. Versatile: Can use both ESP and Depth Media |



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