



STEALTH™ EHC

Dry Gas Blanketing System

Removes Water | Fill-For-Life Phosphate Ester Fluid



MAXIMIZING ASSET LIFE THROUGH TECHNOLOGY

REMOVE WATER & EXTEND THE LIFE OF YOUR FLUID

FILL-FOR-LIFE PHOSPHATE ESTER

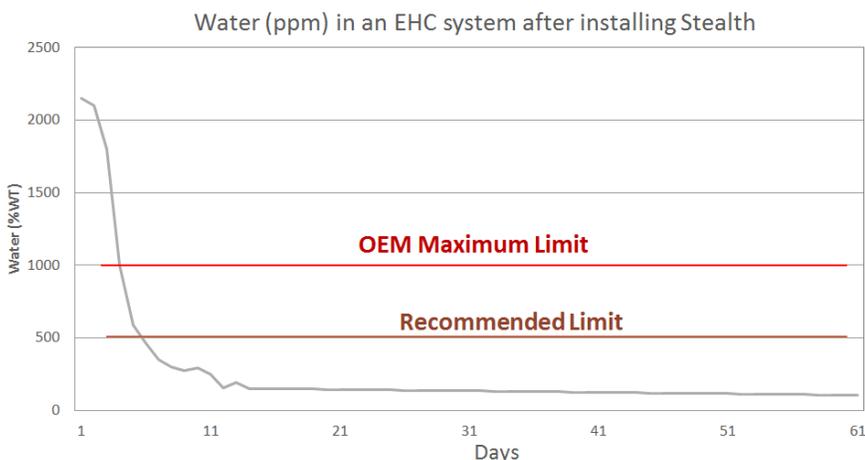
Keep your fluid clean and dry

Hydrolysis (moisture) is the main degradation pathway in phosphate ester systems. Because phosphate esters are hygroscopic, moisture control is a critical step in phosphate ester maintenance. StealthEHC uses patented technology that removes moisture from phosphate ester fluids by introducing a steady stream of clean, dry air in the reservoir. This enhances reservoir breathing systems by actively and continuously purging and dehydrating the reservoir headspace and removing water from the fluid.

STEALTH EHC BENEFITS

- ◆ Removes dissolved moisture in fluid
- ◆ Prevents the formation of corrosion in the reservoir
- ◆ Eliminates the need to replace costly desiccant style breathers
- ◆ Reduces acid formation by removing water
- ◆ Minimizes the potential for particulate or water ingestion through reservoir access points
- ◆ Approved by GE Energy (Ref: GEK 4637f)
- ◆ Uses no electricity, only compressed air. No moving parts
- ◆ Enables a Fill-For-Life Phosphate Ester Fluid

THE RESULTS ARE CLEAR...



Stealth EHC uses the principle of mass transfer. When the humidity of the fluid is greater than that of the air (headspace), water molecules transfer to the dry air and the fluid becomes dry



Stealth EHC

FILL-FOR-LIFE PHOSPHATE ESTERS

FILL-FOR-LIFE

Stealth EHC + Endure IX + VITA VOLT

System cleanliness is restored with no outage requirements. Fluitec provides Stealth EHC to remove existing moisture and prevent any further water contamination, Endure IX to bring the fluid acidity back to ideal conditions and VITA VOLT to remove micro-dieseling byproducts.



HOW IT WORKS

Our StealthEHC system blankets your reservoir headspace with our super-dry clean air. A low pressure air purge in the headspace accomplishes two important tasks simultaneously: It extracts moisture from the fluid while excluding other contaminants from getting in the system. The result is exceptionally clean, dry fluid. The system is inexpensive to install, has no moving parts or electrical connections, and requires no maintenance. Quite simply, the Stealth EHC is the highest value contamination control technology you will install at your plant

Endure IX

Fluitec provides the optimum blend of media to target specific contaminants. There are media that specifically remove stronger acids, ones that remove weak acids (phenolic alcohols and varnish-forming molecules) and media that removes dissolved metals from the fluid. As the fluid makes contact with the blended Endure IX media the process of physisorption removes the contaminants. It is recommended to install Stealth EHC along with the Endure IX for optimum performance.

VITA VOLT

Using high voltage parameters and fluid flow rates, VITA VOLT units remove hard particles down to nanometer sized soot particles from most non-detergent fluids. Specifically engineered for faster removal of micro-dieseling byproducts than competing units, VITA VOLT's collector elements maximize high voltage electrophoresis and di-electrophoresis more efficiently than any other collector element on the market.



Stealth EHC



Endure IX media at work



VITA VOLT

STEALTH EHC SPECIFICATIONS

STEALTH EHC SELECTION GUIDE

StealthEHC P/N	Reservoir Headspace gal (L)	Height in (cm)	Inlet Air Required* scfm (slfm)	Outlet Flow Volume** scfm (slfm)	Air Outlet Dew Point °F (°C)
CC-STL-EHCA	Up to 50 (190)	19 (48)	0.5 (14)	0.2 (6)	-70 (-57)
CC-STL-EHCB	Up to 100 (380)	19 (48)	0.8 (23)	0.5 (14)	-70 (-57)
CC-STL-EHCD	Up to 250 (950)	23 (58)	1.5 (42)	1.0 (28)	-70 (-57)
CC-STL-EHCG	Up to 750 (2800)	30 (76)	3.1 (88)	2.1 (59)	-70 (-57)

*@ 100 psig (optimum pressure)

**@ 100 psig and dew point suppression from 80° (27°)

SPECIFICATIONS

Component	Material / Value
Prefilter Media Type	Borosilicate Glass
Prefilter Housing	Polycarbonate, Zinc (Black)
Particle Removal	0.3 micron
Max Oil Carryover @ 20 °	C 0.01 ppm (0.01 mg / m 3)
Filter Condition	Visual Indicator (red when fouled)
Coalescer Drain	Automatic Float Type
Air Dryer Shell Material	Anodized Aluminum (Blue)
Air Dryer End Cap Material	Nylon (Black)
Fittings Material	Brass
Seals Material	Buna-N
Mounting Orientation	Vertical
Air Inlet / Outlet	1/4 " NPT
Mounting Bracket	3/8"-16 Threaded Nut
Maximum Operating Temp	125°F (51°C)
Maximum Operating Pressure	116 psig (8 barg)
Pressure Regulator	Dial Gauge
Electrical Requirements	None
Weight	< 5 lbs (< 3 kg)



Stealth A & B

Stealth D

Stealth G



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