

stealth ehcTM

Dry Gas Blanketing System

Removes Water for Fill4LifeTM Fluid



Maximizing Asset Life Through Technology

REMOVE WATER & EXTEND THE LIFE OF YOUR FLUID

FILL4LIFE™ PHOSPATE ESTER | KEEP YOUR FLUID CLEAN AND DRY

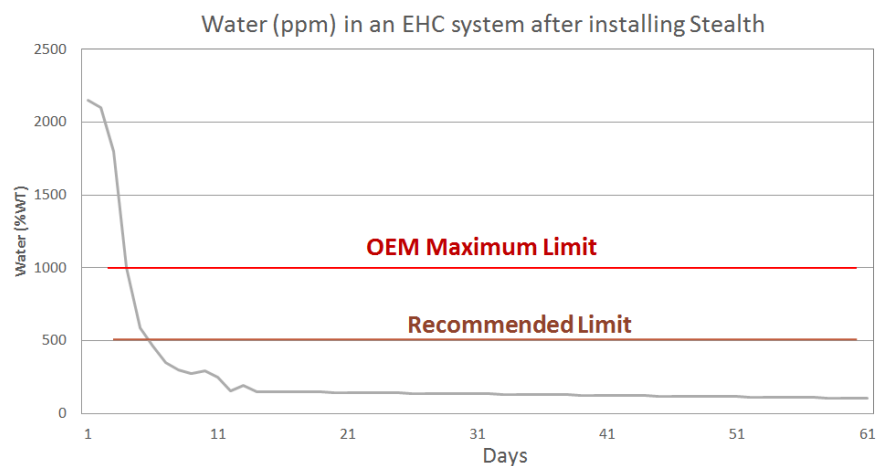
Hydrolysis is the main degradation pathway in phosphate ester systems. Because phosphate esters are hygroscopic, moisture control is a critical step in phosphate ester maintenance. **Stealth EHC™** uses patented technology that removes moisture from phosphate ester fluids by introducing a steady stream of clean, dry air in the reservoir. This enhances reservoir breathing systems by actively and continuously purging and dehydrating the reservoir head space 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 ingress through reservoir access points
- **Approved by GE Energy (Ref: GEK 4637f)**
- Uses no electricity, only compressed air. No moving parts.
- Enables a Fill4Life 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



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FILL4LIFE PHOSPHATE ESTERS

STEALTH EHC + ENDURE IX

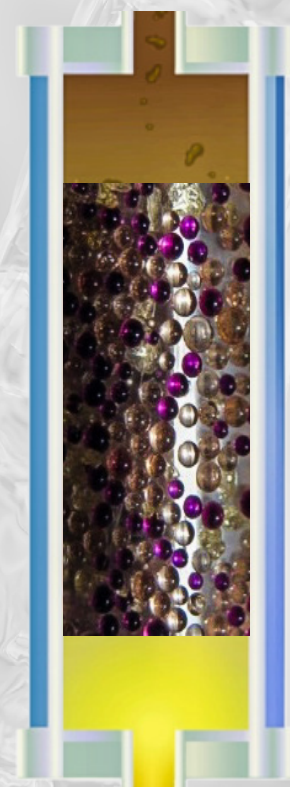
System cleanliness is restored with no outage requirements. Fluitec provides Stealth EHC to remove existing moisture and prevent any further water contamination, Endure IX to bring the fluid acidity back to ideal conditions.

HOW IT WORKS

Our Stealth EHC system blankets your reservoir head space with our super-dry clean air. A low pressure air purge in the head space 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.




Endure IX media at work

STEALTH EHC SELECTION GUIDE


Stealth EHC 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-STEALTH EHC-D	Up to 250 (950)	23 (58)	1.5 (42)	1.0 (28)	-70 (-57)
CC-STEALTH EHC-G	Up to 750 (2800)	30 (76)	3.1 (88)	2.1 (59)	-70 (-57)
CC-STEALTH EHC-P	Up to 750 (2800)	30 (76)	3.1 (88)	2.1 (59)	-70 (-57)



Stealth EHC D



Stealth EHC G



Stealth EHC P

*@ 100 psig (optimum pressure)

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

STEALTH EHC 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/m3)
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
Mouting Bracket	3/8"-16 Threaded Nut
Maxium Operating Temp	125° F (51° C)
Maxium Operating Pressure	116 psig (8 barg)
Pressure Regulator	Dial Gauge
Electrical Requirements	None
Weight	< 5lbs (<3kg)



HIGH THROUGHPUT STEALTH

COMPONENT	MATERIAL/VALUE
AIR DRYER	
Air Dryer Shell Material	Blue Aluminum
Air Dryer End Cap Material	See dimensions table
Air Dryer Mounting Orientation Standard Module	Any
Maximum Operating Temperature	so-c 1176°F
Maximum Operating Pressure	12.5 barg (180 psi)
Typical Pressure Drop	0.2 to 0.5 barg (3 to 7 psi)
Required Filtration (if mounted on an oil-free compressor)	0.1 micron coalescing filter
Required Filtration (if mounted on a lubricated compressor)	0.01 micron coalescing filter
OPTIONAL PREFILTER	
Prefilter Media Type	Borosilicate Glass
Prefilter Housing	Black Aluminum
Mounting Orientation of Prefilter	Vertical
Particle Removal	0.01 micron
Max Oil Carryover @ 20 °C	0.01 mg/m ³

PART NUMBER: CC-STL-FP15
PART DESCRIPTION: DRY GAS BLANKETING SYSTEM, 5.3 CFM, 3.5 DIA





Fill4Life™

HELPING YOUR COST CONTROLS MAXIMIZING ASSET LIFE

Fluitec delivers a massive positive Environmental impact to your organization and your organizations sustainability. Beyond the financial savings and simply by doing business with Fluitec your organization will realize a reduction of Green House Gas (GHG) emissions.

Learn more at www.fluitec.com

Certified



Corporation

This company meets the highest standards of social and environmental impact

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