Fluid Conditioning for Phosphate Ester
Ideal for Maintenance of Steam Turbine EHC Fire Resistant Fluids

Prevent contamination related servo valve failures, extend useful oil life.
Remove & maintain Acid Number to < 0.09* with ICB element technology.
Increase fluid resistivity.
Maintain H2O below 300 ppm with TMRN2 and minimize acid producing hydrolysis.
Prevent & remove gels & deposit caused by other acid removal technologies (ICB technology removes dissolved metals).
Integrated TMRN2 (Nitrogen generator) prevents airborne water & metal ion ingestion, and removes combustible dissolved gasses (reducing fluid breakdown).
Particulate & insoluble gel / sludge removal with high efficiency on-board filtration.

Fluid Compatibility
FSA systems are compatible with a range of specified fire resistant fluids used in EHC (Phosphate ester).

Suitable Operating Temperature Range
90°F/32°C (minimum) to 160°F/71°C (maximum)
Operating below minimum can result in reduced acid and metal ion removal efficiency

Warning: Do not operate above max temperature 160°F/71°C. Contact factory to add pre-cooler before ICB media (operating temp required).

High Contamination Fluid Recovery
For systems with high acid number, excessive gel / sludge buildup or extremely high watercontact Hy-Pro for rapid fluid recovery solutions.

Specifications
Filter Assemblies: Epoxy coated steel (304 option)
Electrical Motor: 1 HP, TEFC
TMRN2 Air Consumption: 1.2 - 6.0 SCFM see sizing guidelines

*Lowest possible acid number will normally range from >0.01 - <0.09. In rare cases values will be higher when uncommon oil brands are used.