



ECR® 10000

PRODUCT BULLETIN

Industry-leading EHC fluid chemistry management.

THE ONLY INTEGRATED SYSTEM TO CONDITION EHC FLUIDS TO THE REQUIREMENTS OUTLINED IN ASTM D8323-21.

ECR® 10000 is a skid-mounted kidney loop filtration system designed for phosphate ester fluid, primarily electro-hydraulic control (EHC) applications, equipped with three proprietary filtration technologies to achieve fluid standards as defined in ASTM D8323-21.

The three filtration technologies include:

- Electrostatics
- Patented ICB® Ion-exchange
- High-efficiency particulate removal



FLUID PROPERTY	ASTM D8323 LIMIT	COMPETING SYSTEM	ECR® 10000
Acid Number	≤0.10	●	●
MPC	ΔE≤20		●
Patch weight	≤4 mg/50 ml		●
Phenol	<8000		●
Metals	<10 ppm total		●
Resistivity	>10 GΩcm		●
ASTM Color	≤6		●

ECR[®] 10000

The ECR 10000 offers enhanced capability skid-based filtration, passing fluids through a series of different filtration technologies to optimize fluid cleanliness.

1



The 1st phase of filtration is electrostatic and is designed to remove any sub-micron (<4 micron) particulate.

2



The 2nd phase of filtration passes fluid through two (2) patented ICB[®] ion-exchange filters to remove any dissolved contaminants within the fluid.

3



The last and final phase is the clean-up phase, with the fluid passing through a high-efficiency particulate filter element, removing contaminants that have come out of solution during Phase 1 or 2.

