



ECR[®] COLLECTOR

Phosphate Ester Fluid Filtration Solution



LUBRICANT CHEMISTRY MANAGEMENT



OVERVIEW

ECR Collector elements are designed for ECR[®] electrostatic oil cleaners, removing particles by their weight, rather than their physical size. Used to remove sub micron particulates in EHC fluid systems that are below the range of ISO 4406, ECR collectors are the opposite of our ICB[®] filters, which only remove dissolved contamination. For a complete solution, ECR collectors would be used along with ICB filtration to address both contamination types.

REQUIREMENTS:

The properties of the fluid must largely be within operating specifications for the ECR Collector to work to its full potential as follows:

- Acid Number ≤ 0.2
- Water Content ≤ 750 ppm
- Resistivity ≥ 8 Gohm-cm
- Temperature 98.6°F ($\geq 35^{\circ}\text{C}$)

Utilizing TMR[®] N2 and patented ICB[®] ion-exchange filters, will return fluids to specification.

PERFORMANCE MEASUREMENT:

- Patch weight at 0.45 microns
- MPC ΔL reduction
- EPT Clean Oil Fluid Technical Center ACE[™] testing is available until results are confirmed



NOTES AND SPECIFICATIONS

OEM	EPT Clean Oil [™]	Materials	Aluminum, Stainless Steel, Thermoplastic and Proprietary Media
Seals	None	Temp. Range	100 - 150 °F / 38°C - 66°C
Packaging	11" x 11" x 25" / 28 x 28 x 64 cm	Weight	10 lbs / 4.5 kg
Part Number Selection	600990 for normal operation when resistivity values >8 Gohm cm 600907 for short term operation when resistivity values <8 Gohm cm	Replacement Interval	Fluid restoration (fluid out of specification or patch weight >4 mg): Monthly Normal maintenance (in specification): 6 months / 4000 hrs
Dimensions	9.75" x 24" / 25 cm x 61 cm	Effective Surface Area	27,400 square inches / 18 square metres

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