

Filtration Elements for Reliable Performance

The TURBO-TOC[™] system is a high-performance turbine oil conditioning platform designed to continuously remove particulate and water contamination from lubricating oil. Utilizing coalescing and particulate filtration technologies, TURBO-TOC[™] enhances turbine reliability, extends oil life, and supports long-term equipment performance during both operation and shutdown.



TURBO-TOC[™] Particulate Elements

TURBO-TOC[™] particulate filters are engineered to remove fine solid contaminants from turbine oil systems with high efficiency. These filters support aggressive ISO Cleanliness Code targets and protect sensitive bearing surfaces, enabling extended oil service intervals and reduced unplanned maintenance.

TURBO-TOC[™] Coalescer and Separator Elements

The coalescer and separator elements in the TURBO-TOC[™] system work together to remove free and emulsified water from turbine oil without chemicals or heat. The coalescer aggregates dispersed water into large droplets, while the separator blocks re-entry into the system—keeping oil dry, equipment protected, and startups reliable.



Specifications

Fluid Compatibility Mineral-based Turbine Oil

Maximum Viscosity ISO 68

Operating Temperature Range 32 - 200 °F (0 - 93 °C)

	K1100	K4100	K2100	K3100
Element Type	Particulate	Particulate	Coalescer	Separator
Performance	$\beta_x = 1000 @ 4.2\mu$	$\beta_x = 1000 @ 7.1\mu$	$\beta_x = 1000 @ 1\mu$	-
Terminal Pressure Drop	25 psid (1.7 bar)	25 psid (1.7 bar)	15 psid (1.0 bar)	15 psid (1.0 bar)
Nominal Dimensions (D x L)	6" x 36" (152 x 914 mm)	6" x 36" (152 x 914 mm)	6" x 44" (152 x 1118 mm)	6" x 28" (152 x 711 mm)
Approximate Weight	13 lbs (5.89 kg)	13 lbs (5.89 kg)	9 lbs (4.08 kg)	8 lbs (3.63 kg)

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