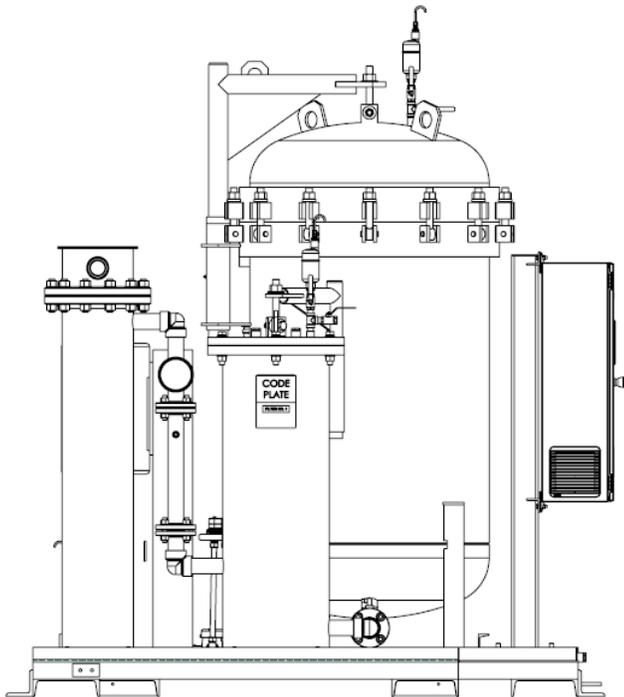


TURBO-TOC®

Turbine Oil Conditioning Systems

KL SERIES



The Turbo-TOC® KL Series is engineered for continuous, high-flow oil conditioning in large turbine lube oil reservoirs, supporting volumes up to 24,000 gallons. With multi-stage coalescing technology, particulate control, and water removal, KL systems are optimized for permanent installation in steam turbine-driven power facilities where uptime, oil cleanliness, and system reliability are critical.

| Elements | | KL10S2 | KL30S2 | KL60S2 | KL100S2 |
|-----------|-----|--------|--------|--------|---------|
| Prefilter | PN | K1100 | K1100 | K1100 | K1100 |
| | Qty | 1 | 1 | 1 | 3 |
| Coalescer | PN | K2100 | K2100 | K2100 | K2100 |
| | Qty | 2 | 5 | 8 | 10 |
| Separator | PN | K3100 | K3100 | K3100 | K3100 |
| | Qty | 1 | 3 | 4 | 9 |

| | | KL10S2 | KL30S2 | KL60S2 | KL100S2 |
|-----------------------------|--|--------------------|--------------------|--------------------|---------------------|
| Flow Rate | gpm | 10 | 10 - 30 | 20 - 60 | 20 - 100 |
| | lpm | 38 | 30 - 113 | 76 - 227 | 76 - 378 |
| Reservoir Size | gallons | 1801 - 2400 | 4801 - 7200 | 7201 - 14400 | 14401 - 24000 |
| | liters | 6801 - 9080 | 18201 - 27260 | 27261 - 54510 | 54511 - 90850 |
| Performance | ISO Cleanliness: 15/13/11 Total water: < 100 ppm | | | | |
| Fluid Compatibility | Mineral-based Turbine Oil | | | | |
| Maximum Viscosity | ISO 68 | | | | |
| Design Pressure | 150 psi / 10.3 Bar | | | | |
| Approximate Dimensions (in) | | 48 L x 46 W x 82 H | 55 L x 54 W x 94 H | 69 L x 65 W x 92 H | 91 L x 88 W x 102 H |
| Approximate Weight (lbs.) | Dry | 1700 | 2750 | 4600 | 5040 |
| | Full | 2050 | 3500 | 6000 | 7016 |
| Materials of Construction | Carbon Steel, Bronze, Stainless Steel, Buna-N | | | | |
| Coating | Exterior: C4 Classification Paint (ISO 12944) Interior: Epoxy | | | | |
| Vessel Design | ASME Sec. VIII, Div. I | | | | |
| Inlet Connection | | 1 ½" RF Flange | 2" RF Flange | 2" RF Flange | 3" RF Flange |
| Outlet Connection | | 1 ½" RF Flange | 1 ½" RF Flange | 1 ½" RF Flange | 2" RF Flange |
| Water Drain | Automatic | | | | |
| Water Level Detection | Visual Sight Glass | | | | |
| Voltage | 460 VAC / 60 Hz / 3 PH | | | | |
| Pump Motor Rating | | 1.5 HP / 1.1 KW | 5 HP / 3.7 KW | 7.5 HP / 5.6 KW | 15 HP / 11.2 KW |
| Oil Heater Rating | | 7.5 KW | 22.5 KW | 45 KW | 75 KW |
| Controls | NEMA 4 Control Panel with PLC and Touch Screen Interface | | | | |



KAYDON FILTRATION
Filtration Group®



Scan to connect with our team

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