

Critical Fuel Systems Elements

Kaydon's Critical Fuel Systems are engineered to ensure clean, dry diesel fuel for critical backup power applications. These packaged systems protect engines from particulate and water contamination. Designed for continuous service or scheduled maintenance, they help meet critical fuel cleanliness standards and preserve long-term system reliability.



CFS Particulate Elements

High-efficiency particulate filters are designed to remove fine solids that contribute to injector wear and poor combustion. With advanced microglass media, these filters exceed ISO cleanliness targets and extend the life of diesel-powered equipment. Their durable, high-capacity design supports long service intervals with minimal pressure drop.



CFS Coalescer and Separator Elements

A two-stage coalescing and separation process removes free and emulsified water from diesel fuel. CFS elements ensure water levels are reduced to below 100 ppm, protecting against microbial growth, fuel instability, and corrosion in downstream components.

| Part Number | CF-36-3 | CF-36-5 | CF-20-C | CF-20-S |
|-----------------------------|---|---------------------------|--|--------------------------|
| Element Type | Particulate | Particulate | Coalescer | Separator |
| Flow Direction | Outside to Inside | | Inside to Outside | |
| Performance Efficiency | $\beta_x = 1000 @ 4.2\mu$ | $\beta_x = 1000 @ 7.1\mu$ | | |
| Fluid Compatibility | #2 Diesel, Biodiesel (<B20), Hydrotreated Vegetable Oil (HVO) | | | |
| Compatible Vessels/Systems | CFF-50 / CFF-100 / CFF-300 CFF-50-NS / CFF-100-NS CFS-10 / CFS-30 | | CFW-20 / CFW-60 / CFW-100 CFS-10 / CFS-30 | |
| Operating Temperature Range | 50 - 120 °F (10 - 49 °C) | | | |
| Terminal Pressure drop | 25 psid (1.7 bar) | 25 psid (1.7 bar) | 15 psid (1.0 bar) | |
| Nominal Dimensions | 6 x 36 in (152 x 914 mm) | | 3.5 x 20 in (89 x 508 mm) | 4 x 20 in (102 x 508 mm) |
| Weight (approx.) | 13 lbs (5.89 kg) | | 2 lbs (0.9 kg) | |

