



***KHF-FC-3,5, and 10* Portable Oil Filtration Carts**

Kaydon Model KHF-FC-3, 5, and 10 portable two-wheeled oil filtration carts are designed for batch oil filtration processing of small turbine oil, hydraulic oil, and gear oil reservoirs. The KHF-FC series of portable oil filtration carts helps reduce system wear due to contaminated oil, improves equipment reliability by reducing oil contamination, extends oil life, and reduces oil disposal costs.

Performance

Depending upon filtration requirements, Kaydon can provide 1, 3, 6, 12 or 25 micron elements (rated to Beta = 200). In addition, a water absorptive element is available.

Operation and Operating Indicators

Simple operation with a ON/OFF switch. Gauge provides remaining element life. Very little training required for operator to install, maintain and operate.

Portable

Pull handle, 2-wheeled, and ergonomically balanced for easing maneuverability and positioning.



Model KHF-FC-5 Portable Oil Filtration Cart System

Technical Specifications

Sizing: For oil reservoirs ranging from 50 gallons to 300 gallons (190 liters — 1,135 liters)

System Operational Range (oil temperature):
80F to 175F (32 C — 79C)

Fluid Compatibility: KHF-FC-3 Mineral Base Oils to ISO 460, KHF-FC-5 and 10 Mineral Base oil to 200 SSU (ISO 46)

System Flow Rate: KHF-FC-3 = 3 gpm (11 lpm), KHF-FC-5 = 5 gpm (19 lpm), KHF-FC-10 (38 lpm)

Operating Voltage: 120V / 1PH / 60Hz / 14 amp

Connections: KHF-FC-3 and 5 (inlet = 1 inch NPTM / outlet = 3/4 inch NPTM) KHF-FC-10 (inlet = 1.5 inch NPTM / outlet = 1 inch NPTM)

Hoses: 10 foot suction hose and 10 foot discharge hose. Both are clear/braided type. Connections are MNPT.

Dry Weight (approximate): 150 pounds (68 kilograms)

Dimensions: 24" L x 24" W x 48" H
(610 mm L x 610 mm W x 1220 mm H)

Configuration: Portable (2 wheels) with tow handle. Two spin-on filtration elements mounted in series flow .

Ambient Operating Temperature: 32F—113F (0 C—45C)

Particle Filtration: Kaydon KHF7500 Series Spin-ON Elements Rated per ISO 16889 ($\beta = 1000$)

Inlet (suction) Conditions Required for Operation:
8" Hg — 15 psig (200 mm Hg — 1.05 kg/cm²)

Filter Indicators: Inlet gauge for prefilter and inlet gauge for postfilter.

Output Pressure (maximum): 50 psig (3.5 kg/cm²)

Power Cord: 10 foot power cord with plug

Oil Operating Temperature: Determine oil operating temperature range when selecting a filter cart. Do not use a filter cart beyond its maximum viscosity limits. Contact Kaydon with oil viscosity and normal operating temperature for guidance.

Example: 46 cSt (ISO 46) at 80°F = ISO 100
Example: 46 cSt (ISO 46) at 110°F = ISO 40