

Portable Oil Filtration System



Portable Oil Filtration Systems were developed to reduce overall operational and maintenance cost associated with contaminated hydraulic, lubrication, and dielectric oils. The end-user is able to purify a system's contaminated oil while on or off-line. These portable systems can be designed and used for oil transfer or kidney-loop filtration. The systems can be equipped to remove particulate, water, and acidity at the same time in one complete system.

High Efficiency Particulate / Carbon Removal Element - Synthetic—inert & inorganic filter media. Removes particles as small as 1/2 micron after one pass.

Water Removal Element - Capable of Removing up to 1-2 gallons of water.

Optional Acid Removal Elements: For the removal of acids, gums, surfactants, varnishes, soaps, color bodies, corrosive gases, and oxidation products.

Optional Flow Rates and Voltage: There are several flow rate options and voltages available. Flow rate options from 1 to 20 GPM. Standard voltage is 120.

Element Plugged Indication - A differential pressure gauge shows when the elements need to be changed.

Benefits

- **Lower your particle count and remove water**
- **Extend Oil Life**
- **Extend Equipment Life**
- **Reduce Equipment Down Time**
- **Transfer Clean Oil to & from Drums to Reservoirs**
- **Decrease fluid acid number**
- **Increase fluid resistivity**
- **Reduce mechanical component wear**
- **Achieve high dielectric values in dielectric oils**

Recommended for Contaminated Systems that have Oils with:

- High Particle Counts
- Moderate Water Content
- High Acid Numbers
- Low Resistivity
- Low Dielectric Values

Electrical Specifications

- Voltage:** 120/240 VAC, 1Ph, 50 or 60 Hz or 240 / 480 VAC. 3Ph, 50 or 60Hz
- Motors:** 1/2—1.5 hp, 1725 RPM, TEFC
- Control Panel:** On / Off Toggle Switch

Mechanical Specifications

Flow Rate Options

from: 1 to 20 GPM

Filter Housings: 1, 2, or 3 filter vessels for particulate, water and acid removal.

Plugged Element

Indication: Differential pressure gauges provide 20 PSID indication when the elements need to be changed.

Pump: Heavy-Duty self-priming positive displacement gear pump with relief valve.

Connections: Two 12' hoses with NPT female swivel ends with plugs.

Power Cord: 25' / 7.62 meter heavy gauge and high visibility yellow cord.

Oil Sample

Valves: (2) Oil sample valves for quick & convenient oil analysis.

Approximate

Shipping Weight: 180 lbs

Dimensions: 28"W x 55"H x 30" D



SYSTEM ORDERING INFORMATION

Above standard part-number

FC-5-2/S510-120-B

Indicates Portable Oil Filtration System
Above Example Part Number -

FC-5-S510/2-120-B, (FC -*A*-*B*-*C* -*D*)

A 5 indicates flow rate of 5 GPM (1 to 20 GPM Options)

Insert desired flow rate number up to 20 GPM

B S510/2 indicates two Spin-On Elements in series

Note: 2 Element options—S510 Spin-On & 820X Cartridge S510/2 indicates two Spin-On Elements in parallel

2/820X indicates two 820X housing in Series

820X/2 indicates two 820X housings in Parallel

C 120 indicates 120 Volts Single Phase

(Optional Voltages available 220 Volt Single Phase—230, 460, to 515 Volts 3 Phase)

D B indicates Buna Seals, Insert V option for Viton Seals

ELEMENT ORDERING INFORMATION

Pleated Particulate Removal Elements available in 1, 3, 6 12, & 25 micron increments.

Example P/N: OFS-820X-3B, OFS-(A*)(-B*)(C*)

A indicates 820X Cartridge Filter—Approx. 6" Diameter X 18" Length.

B indicates 3 micron size, available options: 1,3,6,12 and 25 micron @Beta ≥ 200 absolute efficiency

C indicates Seals—"B" for Buna and "V" for Viton

Water Removal Element P/N:

OFS-820X-WB (Cartridge)

OFS-S510-WB (Spin-On)

Acid Removal Element P/N: (Only for 820 Series Housings)

OFS-820-FEA (Fuller's Earth)

OFS-820-AAA (Activated Alumna)

Custom Options are always available.

FOR SPECIAL ORDERS OR FEATURES NOT LISTED ABOVE, PLEASE CONTACT US AT INFO@GLOBALINDUSTRIALSOLUTIONS.NET

*820 Series are Cartridge Filter Elements

**510 Series are Spin-On Filter Elements