

High Flow Portable Filtration System



The harmful effects of particulate contamination in hydraulic, lubrication & fuel oils have been well documented. The **High Flow Portable Oil Filtration Systems** line quickly and reliably removes particulate contamination from a variety of fluids, enabling end-users to extend the life of component parts, reduce maintenance costs and down-time, and maximize profitability. These systems are portable, and can be used for fluid transfer, high velocity oil flushing, or off-line kidney-loop filtration. Filter elements are available in a wide variety of micron sizes and media types to handle virtually any application.

Standard Features

- Positive Displacement Gear Pumps or Self-Priming Centrifugal Pumps
- TEFC Electric Motors
- NEMA 4 Electric Control Panels with Main Power Disconnect and Push button On-Off Switches
- Variably Frequency Drives
- Flow Rates from 20-2000 GPM or Higher
- Achieve Very Low Particle Counts to Meet or Exceed an ISO 16/13/10 Cleanliness Level
- Achieve Reynolds Number >4000 to Perform High Velocity Flushing of Pipes

Applications

- Hydraulic Oil
- Lubrication Oil (ISO 32 —ISO 680)
- Turbine Lube Oil
- Diesel Fuel
- EHC Fluid (Phosphate Ester)
- PAO Fluid

Filter Element Options

High Efficiency Pleated Micro Glass Particulate Removal Filter Elements.

Available in Micron Sizes Ranging from 1-Micron to 25 Micron Beta \geq 200 per ISO 4572 (99.5% Efficient)

Nominally Rated Pleated Cellulose Filter Elements or Polyester Felt Bag filters.

Remove Large Amounts of Bulk Particulate Contamination from Very Dirty Systems.

SYSTEM ORDERING INFORMATION

Standard part-number **POFS- ** -** -**- ****

Indicates Portable Oil Filtration System
Indicates flow rate (20-1000gpm)
Indicates particulate removal housing (PR)
Indicates water removal housing (WR)
Indicates acid removal housing (AR)
(Note: If not using WR or AR then omit from P/N.)

ELEMENT ORDERING INFORMATION

Pleated particulate removal elements available in 1, 3, 5, 15, & 25 micron increments. P/N: OFS840P(**)
Insert micron size 1, 3, 5, 15, or 25

Water removal element P/N: OFS840WR

Acid removal element P/N: OFS840AR

Electrical Specifications

Voltage: 480 VAC, 3 Ph, 60 Hz

Motors: Premium Efficiency TEFC or Explosion Proof (if required)

Control Panel: NEMA 4 or NEMA 7

(Other voltages are available upon request)

For technical support & application help,
Contact us at info@globalindustrialsolutions.net or
Call us at 888-679-9079.

Mechanical Specifications

Flow Rate Options From: 20 GPM—2000 GPM

Filter Housings: Multiple Configurations for High Flow and Particulate Removal

Plugged Element Indication: Differential pressure gauges and indicator lights provide positive indication when the elements are plugged and need to be changed.

Pump: Heavy-duty self-priming positive displacement style with built in relief.

Connections: 1" to 4" NPT with Camlock or Flanged Connections
(Other Options are Available)

Power Cord: 25' Inlet and Outlet Hoses

Oil Sample Ports: Upstream & Downstream Sample Ports

Custom options are available.

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