



# IFM 80 GPM

## (VARIABLE FLOW) PORTABLE FILTRATION SYSTEM

### PRODUCT DESCRIPTION

The Gaubert Oil 80 GPM Variable Flow Filtration System is a versatile, portable solution designed for efficient filtration of hydraulic and lubrication oils. Equipped with two 840X filter housings in parallel, a positive displacement gear pump, and a Variable Frequency Drive (VFD), this system provides reliable performance with adjustable flow rates from 20 to 80 GPM, meeting ISO 16/14/11 cleanliness standards in multi-pass applications.

### KEY FEATURES AND BENEFITS

#### HIGH-EFFICIENCY FILTRATION

- 5-Micron pleated microglass filter elements rated Beta(c) >1000, effectively removing 99.9% of 5-micron particles in multi-pass.

#### VFD FOR VARIABLE FLOW

- Variable Frequency Drive allows precise flow rate adjustment between 20 and 80 GPM to suit various application needs.

#### DURABLE GEAR PUMP

- 80 GPM positive displacement pump with adjustable relief valve set at 100 PSI for consistent performance.

#### USER-FRIENDLY CONTROL PANEL

- NEMA 4 panel with start-stop, main power disconnect, and "Plugged Filter" indicator light for automatic shut-down.

#### PORTABLE AND ROBUST DESIGN

- Carbon steel skid base with spill containment, push-rail, removable casters, and forklift slots for easy mobility.



### GENERAL SPECIFICATIONS

- **Flow Rate:** Adjustable 20-80 GPM
- **Pump Type:** Positive displacement gear pump with adjustable relief valve
- **Max Outlet Pressure:** 100 PSIG
- **Inlet Basket Strainer:** 20-Mesh for pump protection
- **Filter Housings:** Two 840X carbon steel housings with manual air vents, plumbed in parallel
- **Inlet & Outlet Connections:** 3" inlet and 2" outlet with isolation ball valves and Camlock connections
- **Dimensions:** 42" W x 62" L x 70" H

### ELECTRICAL SPECIFICATIONS

- **Voltage:** 480V, 3-Phase, 60 Hz, 80FLA
- **Motor Type:** Premium efficiency TEFC (Totally Enclosed Fan Cooled)
- **Control Panel:** NEMA 4 enclosure with Variable Frequency Drive, main power disconnect, and "Plugged Filter" indicator for automatic shut-down.



A Division Of Gaubert Oil Company, LLC

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1325 St. Patrick | Thibodaux, LA 70301

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## SYSTEM COMPONENTS

### DIFFERENTIAL PRESSURE GAUGE

- 0-50 PSID, prompts filter change at 35-40 PSID.

### SAMPLING PORTS

- Upstream and downstream oil sample ports for quality monitoring.

### BASE CONSTRUCTION

- Carbon steel skid with spill containment lip, push-rail, four removable casters, and forklift slots.

### SEALS

- Viton® for enhanced durability and chemical resistance.

## OPTIONAL ACCESSORIES

- **Inline Digital Particle Counter:**  
Real-time ISO particle count display; optional software and USB I/O for data download.
- **4-Point Lifting Structure:**  
Welded steel cage with four lifting lugs.
- **Replacement Filter Elements:**
  - 2.5 Micron  
Beta(c)>1000 filter element
  - 5 Micron  
Beta(c)>1000 filter element
  - 7 Micron  
Beta(c)>1000 filter element



 **ifm**  
industrial fluid management

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