



# IFM 5 GPM

## DEHYDRATION OIL PURIFICATION SYSTEM

### PRODUCT DESCRIPTION

Gaubert Oil's 5 GPM Dehydration Oil Purification System (VDOPS) is engineered for efficient removal of free, emulsified, and dissolved water from various hydraulic and lubrication oils. This system achieves ultra-low water content, reaching as low as 20 PPM in multi-pass mode. Equipped with advanced filtration, it ensures an ISO Cleanliness Level of 16/14/11, critical for high-performance oil systems.

### COMPONENTS AND FEATURES

#### FILTRATION AND WATER REMOVAL

- Filter: 5-Micron Pleated Microglass, Beta(c) > 1000
- Water Removal Efficiency: 100% Free & Emulsified, 90% Dissolved
- Gas Removal Efficiency: 100% Free, 90% Dissolved

#### VACUUM PUMP

- Type: 43 CFM Dry-Running "Claw" Style Vacuum Pump
- Features: Low maintenance, deeper vacuum for enhanced water and gas removal

#### ELECTRICAL AND CONTROLS

- Voltage: 480V, 3-Phase, 60 Hz, 26FLA
- Control Panel: NEMA 4 Enclosure with Variable Frequency Drive (VFD)
- Indicators: Low Flow, High Condensate, High Differential Pressure (Auto Shut-Down), Hour Meter

#### HEATING AND TEMPERATURE CONTROL

- Inlet Oil Heater: 17 kW with Digital Temperature Controller
- Safety: Dual Thermocouples (Type J) with Shunt Trip for Overheat Protection

#### PORTS AND CONNECTIONS

- Inlet & Outlet Ports: 1" Camlock with Isolation Ball Valves
- Hoses: Two 1" Heavy-Duty Petroleum Transfer Hoses (20' Length)



### SPECIFICATIONS

- **Flow Rate:** Adjustable 1-5 GPM
- **Maximum Pressure:** 100 PSI (adjustable relief valve)
- **Temperature Control:** Capable of reaching 150°F or higher
- **Electrical Requirements:** 480V, 3-Phase, 60 Hz, 26 FLA with both heater circuits active



A Division Of Gaubert Oil Company, LLC

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### BENEFITS & APPLICATIONS

- › Designed for high viscosity oils and cold start-ups
- › Reduces particle counts efficiently, meeting strict ISO standards
- › Minimal maintenance with durable components and smart design

### PHYSICAL SPECIFICATIONS

- Exterior Finish:  
Oil & Corrosion Resistant Enamel Paint (Blue Finish)
- Base Construction:  
Carbon Steel with Spill Containment, Push-Rail, Casters, and Forklift Slots
- Dimensions:  
42" L x 62" W x 70" H
- Weight:  
Approx. 1,900 lbs



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