

## Dispense Only Clean Dry Oil

### FEATURES

- Designed to filter turbine lube oil and other similar oils
- 600 psi maximum operating pressure
- Filters out dirt and other particulate contaminants with 0.8 micron nominal efficiency
- Removes free and emulsified water to less than 5 ppm
- Internal check valve prevents operation without cartridge installed
- Positive shut-off prevents pumping contaminated oil

### DESCRIPTION

The VF-21 Housing was developed in conjunction with a major airline for use on turbine lube oil dispensers. When an ACB-20501 Cartridge is installed, only clean oil will be pumped.

The ACB-20501 **Aquacon**<sup>®</sup> Cartridge absorbs free and emulsified water. When fully saturated, the absorbent media swells shut and blocks the flow of contaminated oil. Glass microfiber material removes particulate contamination with a nominal gravimetric filtration efficiency of 0.8 micron. The ACB-20501 **Aquacon** Cartridge is designed to withstand the pulsating flow and high pressures generated by a hydraulic hand pump.

The VF-21 Housing has a spring valve that will only open if a cartridge is installed. Fluid will not flow through the VF-21 without a cartridge in place. Kits are available to retrofit stainless steel 2 gallon and 5 gallon dispensers manufactured by Malabar International.



## APPLICATIONS

- All hydrocarbon-based fuels and oils
- MIL-PRF-5606 hydraulic oil
- MIL-PRF-83282 hydraulic oil
- MIL-PRF-7808 and MIL-PRF-23699 turbine lube oil.  
Includes Exxon Turbo Oil 2380 and 2389, and Mobil Jet Oil II (Type II)
- Stauffer Fyrquel, Houghto-Safe 1000 Series, Exxon Imol S 220, Mobil Pyrogard 51, 53, & 55
- Mobil SHC 824, Mobilube SHC, Exxon Synesstic

**Note:** VF-21 and ACB-20501 can also be used with Skydrol and HI Jet IV. Order Ethylene Propylene Seal Kit CK-1478I.

For complete operating procedures see PN 09-115, Operating Instructions for ACB's.

## VF-21

- Aluminum construction
- Viton A O-ring seals
- Inlet/Outlet: Female 1/2-20 SAE O-ring
- Length: 8 1/2"
- Diameter: 3 1/2"
- Weight: 2 lbs
- Shipping Weight: 3 lbs
- Maximum Pressure: 1000 psi

## ACB-20501

- Length: 5 7/8" OAL
- Diameter: 1 3/4" OD
- Weight: 120 grams
- Nominal Gravimetric Filtration Efficiency: 0.8 micron
- Beta 10: 90
- Absolute Beta Rating (Beta=75): 8 micrometers
- Water Capacity: 50 cc
- Particulate Solids Capacity: 1.5 grams
- Maximum Flow Rate (Turbine Oil): 0.5 GPM
- Collapse Pressure: 600 psi
- Maximum Operating Temperature: 200°F
- Buna-N O-ring on snout



## ORDERING INFORMATION

- For housing alone specify Model **VF-21**
- For housing plus 2 gallon Malabar Kit specify **VF-21/2**
- For housing plus 5 gallon Malabar Kit specify **VF-21/5**
- Cartridges must be ordered separately. Specify Model **ACB-20501**. Cartridges are packed in sealed polybags, 20 per carton.



Velcon products are sold and serviced by a world-wide representative network. To order, contact Headquarters or your **LOCAL REPRESENTATIVE**:

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