



## FERGIN & ASSOCIATES, INC.

N9263 KRAUSE RD. ENGADINE, MI 49827

906.477.0040 FAX 906.477.9959

fergin.com

## PORTABLE FILTER

The Depth-type oil filtration system for large sump applications, offers submicron particulate removal, performance far exceeds any OEM or pleated filter systems. Dramatic reduction of periodic maintenance schedules, elimination of failure related down time, and spectacular savings are just a few benefits. Performance, low cost and rapid return on investment make a recycling, maintenance and environmental savings machine.

### *Standard Features Include:*

- For systems up to 300 gallons
- Gould Centrifugal Pump W/440V 3PH Motor with SS internals
- Adjustable gate valve to determine flow rate
- Inlet banjo strainer to protect pump
- Pressure relief valve to prevent housing over pressurization
- Stainless Steel filter housing
- 304 stainless steel filter element lifter
- Motor starter with thermal overload protection
- 0-100 PSI pressure gauge to monitor filter loading
- Heavy duty tubular steel frame powder coated
- 10 feet of inlet and outlet hoses
- Shipping weight 152 pounds
- Dimensions 44 1/2" high x 22 1/2" wide x 23" deep



### *Other Options Available Include:*

- Any size system
- Motors in any voltage or phase
- Additional pumps available - centrifugal or air diaphragm

Other Fluids- Hydraulic – Insulating – Coolants – Diesel Fuel – Lube Oil – Vacuum Pump Oil – Water – Water Glycol – Gear Oil – Turbine Oil – Phosphate Ester – Skydrol - Quench Oil – Transmission Oil – Kerosene – EDM Oil – Cutting Oil – Compressor Oil – Gasoline – Synthetic Hydraulic Oil – Solvents – Honing Oil – And

More



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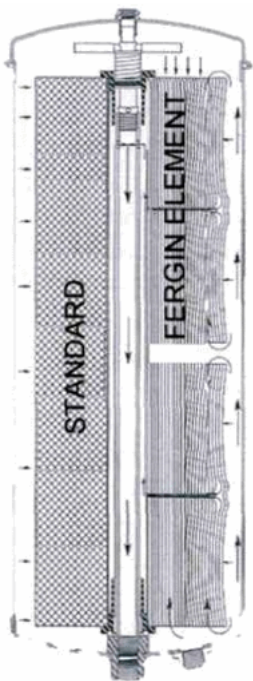
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## FERGIN DEPTH-TYPE FILTER ELEMENT

Our patented Filter is designed as a depth-type disposable filter element. The fluid flow path is parallel with the center tube (axial flow), rather than the conventional outside to inside flow (radial flow) of most depth-type filters. This allows us to vary the depth of the fluid flow and provides us with the capability to filter more efficiently than conventional filters.



STANDARD VS.  
FERGIN ELEMENT

## CONSTRUCTION

The filter media is constructed as a roll of filter paper (or other material) with the flow taking place between the leaves of the controlled density winds of the media. Because the filter media has a much greater resistance to flow from outside to center (radial flow) than it does between the layers (axial flow) of filter material, we maintain a very high degree of filter efficiency, *filtering to less than 1 micron and absorbing up to one gallon of water from wet oils*. The integrity of the filter element is maintained even as it loads up with contamination and the Delta-p (pressure across the filter) goes up. The hydraulic pressure of the fluid compressing the layers of media together prevents a channel from forming that could allow unfiltered fluid to pass through the element.

Because we have ten different filter materials and four flow depth elements yielding 40 different element selections that we can choose from, we can achieve the desired cleanliness level for any fluid, be it very thin or very thick. Custom designed elements for use in existing filter systems are available on request.



FILTER ELEMENT

### SUGGESTED TYPES OF FLUIDS THAT MAY BE FILTERED

Water Based Coolants  
Synthetic Hydraulic Fluids  
Water Glycol  
Hydraulic Oil  
Automatic Transmission Fluids  
Cutting Oils

Lubricating Oil  
Drawing Oil  
Quench Oil  
Gear Box Oil  
Ester Base Fluids...  
and many more industrial fluids