



“Take your filtration process to another level..”

# GEAR OIL FILTRATION UNIT

Reliable treatment solution for gear and gearbox oil

## PRODUCT FEATURES

Portable and Stationary Filtration Units are supporting systems to prevent solid particulates pass through critical gearbox operation. The system is designed to treat your gear oil with:

- ⌘ Compact and portable design
- ⌘ Fast cleaning time
- ⌘ High-efficiency filtration rating
- ⌘ Simple and convenient set up & maintenance

The system can afford the required cleanliness standards using ultra-fine filter element. It is an economical choice to fit customer requisition to optimized high separation efficiency and service life.



| GENERAL SPECS    | MEDIUM FLOW SERIES                                 | HIGH FLOW SERIES      |
|------------------|--|-----------------------|
| Flow Rate (lpm)  | 30 / 60 / 80                                       | 100 / 120 / 150 / 200 |
| Pressure (bar)   | Max. 15  | Max. 10               |
| Pump Driven*     | Electric Motor                                     |                       |
| Optional Sensor  | Water & Contamination Sensor / Flow Rate Totalizer |                       |
| Filter Rating    | 1 / 3 / 6 / 10 / 15 / 25 / 40 / 60                 |                       |
| Fluid Viscosity  | 4...3000 mm <sup>2</sup> /s                        |                       |
| Electrical Power | 220 VAC or 380 VAC                                 |                       |

\*other user specification to be consulted

ACS  
REGISTERED  
 ISO 9001

2020

## CONTAMINATION CONTROL

A gearbox system might be exposed to a wide variety of contaminants over its entire service life. Solid particulate is the most accumulated contaminant in the system from the system wear or leakage. It has many consequences if it is not removed properly.

Gearbox oil deterioration associated with oxidation due to heat, contamination, and additive exhaustion is maintenance costly. Particulate matter and sludge must be filtered out. It needs a cost-wise solution to filter out gearbox oil without a complete oil change.

*"We make the world more productive systems, providing clever filtration & separation solutions to preserve your invested asset value."*

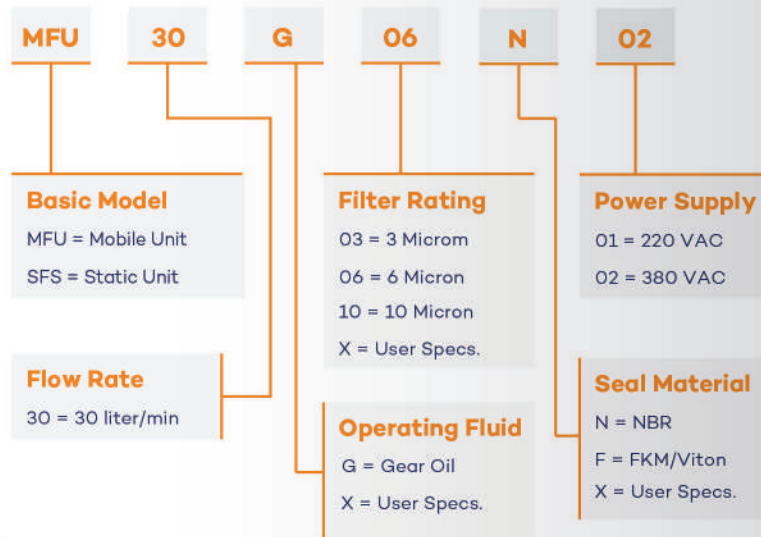
Our solution was proved to be very simple and easy to operate, yet it runs extremely effectively to cleaning up particulates in short time. We provide a comprehensive solution with an online particulate monitoring system on board, allowing our customer easy to monitor their valuable asset.

Unit operation is independent, but has a direct impact for working cycles of the machine. Thus, the filter element substitution is safe without disturbing the working process of main machines.

### UNIT FLOWRATE SIZING

| Oil Viscosity (ISO VG) | Tank Volume (L) | Unit Flow Rate (L/min) |
|------------------------|-----------------|------------------------|
| 150; 320;<br>460; 680  | ≤ 500           | 30                     |
|                        | ≤ 800           | 60                     |
|                        | ≤ 1500          | 80                     |
|                        | ≤ 2500          | 100                    |
|                        | ≤ 5000          | 120                    |

### ORDERING CODE\*



\*Other user specification to be consulted

### CRITICAL PARAMETERS

For most gearbox oil applications, the critical parameters need to meet as follows:

1. Purity level: at least class 18/16/13 (ISO Class 4406:1999)
2. Water content: less than 500 ppm

