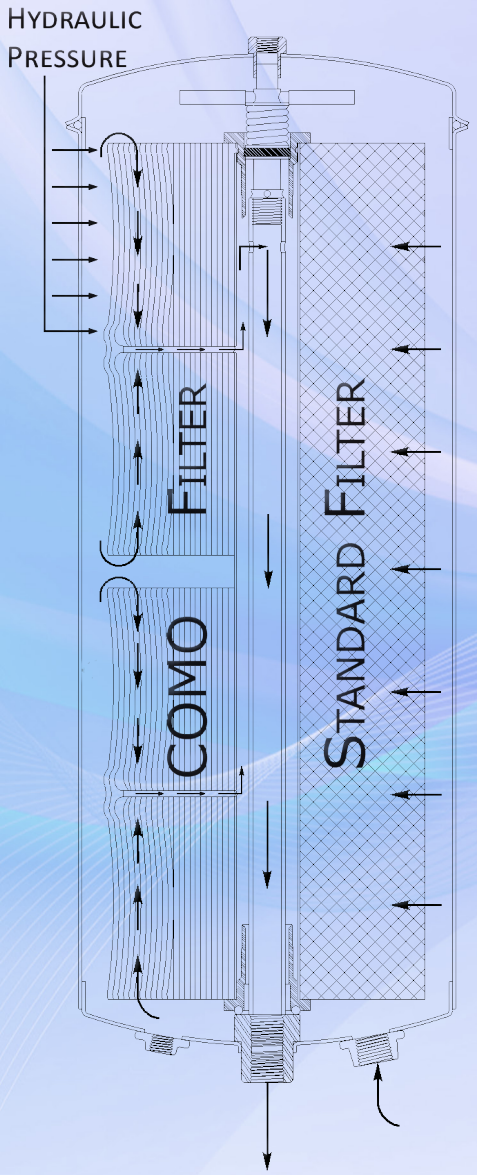
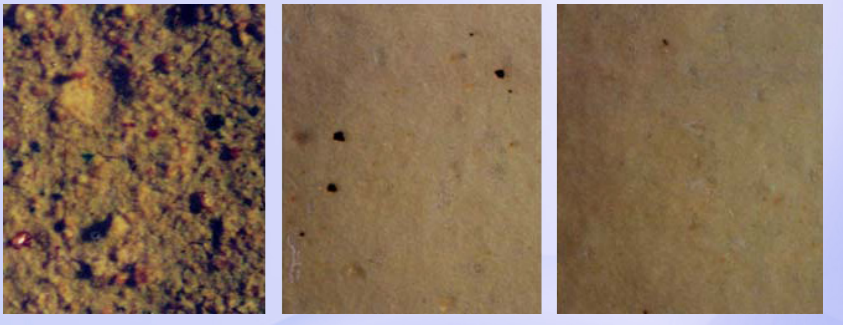
COMO 6500 Series Filter Elements

The unique axial flow of COMO's patented depth-media filters allows for an enormous filter surface area, which gives the COMO 6500 Series Filter Elements excellent dirt-holding capacity and precision filtration to as low as one µm or below. Utilizing multi-pass filtration, our filters provide continuous contamination control, minimizing machine down-time and reducing fluid disposal & replacement costs.



Photomicrographs at 100X: See The Difference!

Before Filtration: ISO 22/21/20	5 Pass: ISO 18/17/13	10 Pass: ISO 15/13/10



COMO 6500 Series Applications:

COMO has a 6500 Series Filter Element for nearly any industrial fluid application. We have filters that clean hydraulic, lube, or gear oil, water-based fluids, fire-resistant fluids, quench water or quench oil, cutting oil or machine tool coolant. You name it, we filter it. If you're curious whether or not our elements work for your fluid, call us!

COMO 6500 Series Specifications:

- Micron ratings from <1 µm to 50 µm
- Moisture removal to as low as 20 ppm*
- Water absorbtion up to 1 gallon*
- Dirt loading capacity up to 20 lbs*
- Total media surface area up to 3,000 ft^2
- 7.5" diameter x 20" height

COMO™ FILTRATION SYSTEMS

Turning Down Time Into On Time

Fischer-Robertson, Inc.
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Hamilton, OH 45015
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*Ultimate dirt and water removal-efficiency and holding-capacity changes based upon specific applications, individual results may vary.

COMO 6500 Series Filter Elements

The COMO 6500 Series Filter Elements are our most popular line of filter elements. They fit in our C-1000 series filter housing—as well as equivalent competitive housings. COMO has a variety of medias used to construct filter elements, so we offer filters that excel at oil-based and water-based fluid filtration with viscosities ranging from 1 to 680 cSt and temperatures up to 425°F. Whatever your application is, our COMO representatives can find a filter for you.

Dirt Holding Capacity:

The COMO 6500 Series Filter Elements simply have more media than other filters on the market. The massive amount of media surface area in each COMO filter allows the filter to capture, on average, ten to twenty pounds of solid contaminants each, and customers have reported up to forty pounds in some applications! What this means to you is fewer element changes, less maintenance, and more savings.

Water Absorbency:

Our oil-based line of COMO 6500 Series Filter Elements are constructed of cellulose, which has a natural affinity to water; therefore, COMO filters can remove free, emulsified, and dissolved water from oils. The COMO 6500 Series Filter Elements can remove up to one gallon of water over its lifetime and keep moisture to as low as 20 PPM. Save time and money by removing both water and particulate with COMO 6500 Series Filter Elements.

Beta Ratio:

Filtration beta ratios are calculated by dividing the upstream (unfiltered) particle count for a given micron rating by the downstream (filtered) particle count for that micron rating. This, in effect, shows the filtration efficiency for particles of all different sizes. Beta ratios are standardized, allowing you to compare filtration performance from one manufacturer to another.

However, when using beta ratios to compare filter performance, you must take into consideration the differences between standard filters and depth filters, like the COMO 6500 Series Filter Elements. Standard filters often have high beta ratios; however, they quickly load with contaminant, causing a spike in differential pressure that leads to short element life. On the other hand, depth filters have both high beta ratios and larger dirt holding capacities, which allows for continued performance over a longer period.

Flow Rate:

The recommended flow rate for the COMO 6500 Series Filter Elements is 2-4 GPM per element. In a thinner fluid, that flow rate could increase to as much as 5-6 GPM. In heavier fluids, flow may be as low as 0.5-1.5 GPM. As a general guideline, the flow rate at normal operating temperature should be such that the differential filter pressure on a new element is in the range of 15-30 psi. COMO has filtration systems with flow rates as low as 1 GPM and as high as 80 GPM. Speak with a COMO representative for help selecting a combination of filters and flow rates to yield optimal filtration results.

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