

Masterfil Filters Must Not Be Washed **Hot Oil Filtration Machine**

The Masterfil fabric filter is designed for hot oil filtration and must not be washed. Washing the filter causes numerous problems that are harmful to the function of the mechanical pump, and creates resistance within the filter.

Washing the filter creates two problems:

1. Soap or degreasing compounds are impossible to rinse from the filter. With so much exposed surface area surrounding each filament strand, it is impossible to rinse the surfactants out of the filters interior. Surfactants cause rapid oil breakdown. Once a filter has become impregnated with soaps, it becomes an oil destroyer.
2. Rinsing or soaking a filter with water causes the salts in the breadding to dissolve and soak to the center of the filter. When the filters dry, the salts crystalize creating massive blockage within the filter. Also, Water and oil creates a waxy emulsification that causes a reduction in flow rate.

The Masterfil filter is a tangled synthetic FDA, NSF approved fabric and has a density that will filter out down to ½ micron particles. One half micron is extremely small, about the size of a particle of graphite. Below is a 50X and 300X magnified view that demonstrates the smaller than ½ micron chambers that create a torturous path for the oil to travel.

This is also why these filters must be changed weekly.

