PUROFLUX Corporation
INDUSTRIAL LIQUID FILTRATION

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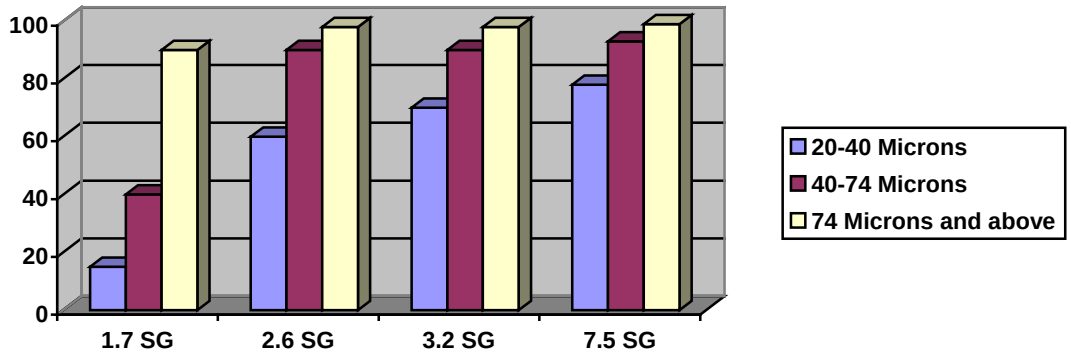
Separator Efficiency – Particle Size vs Particle Weight

The basis for the solid-liquid separation in the PF-60 series separators is the centrifugal forces created in the body of the separator. As the pressurized process fluid enters the unit tangentially into the entrance chamber, it starts a downward helical flow. This downward spiral motion causes high centrifugal forces to act on the carrying fluid and solids in suspension. These solids are then pushed to the outside wall of the separator body and moved downward to the accumulation chamber at the bottom of the unit. The greater the size and weight of these solids the better the efficiency can be predicted. Given solids with a specific gravity of 2.6, performance is expected to be 98% of 74 microns particles and larger. Use the charts below to estimate your predictable efficiency range.

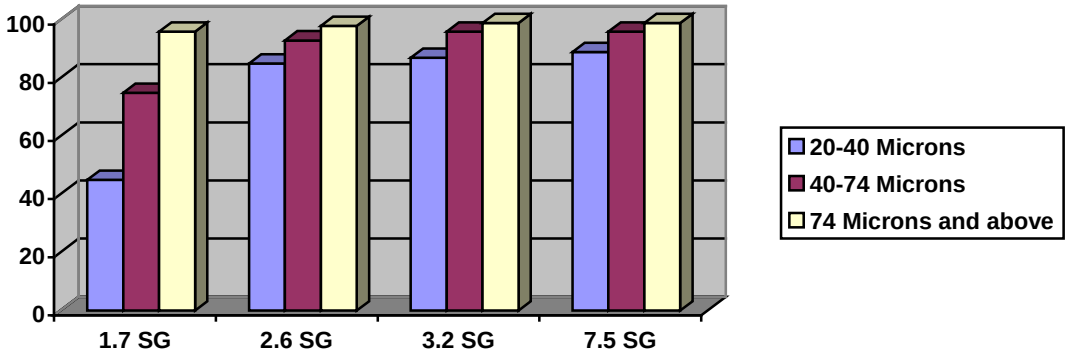
Single Pass System

Efficiency based on Specific Gravity



Multiple Pass System

Efficiency based on Specific Gravity



* Refer to certified test results for PF-61-010.