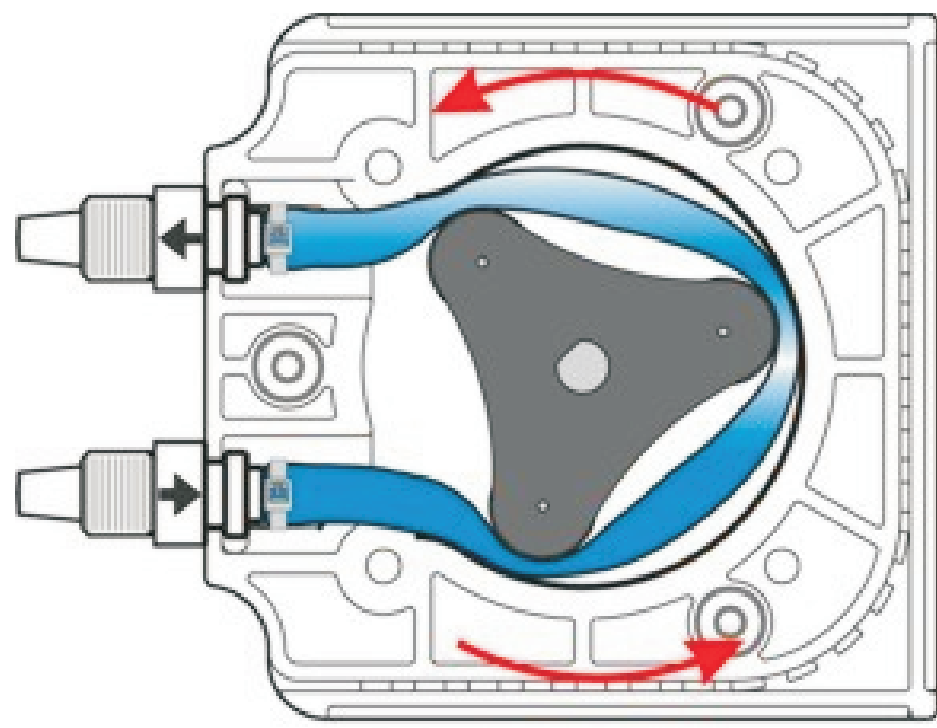


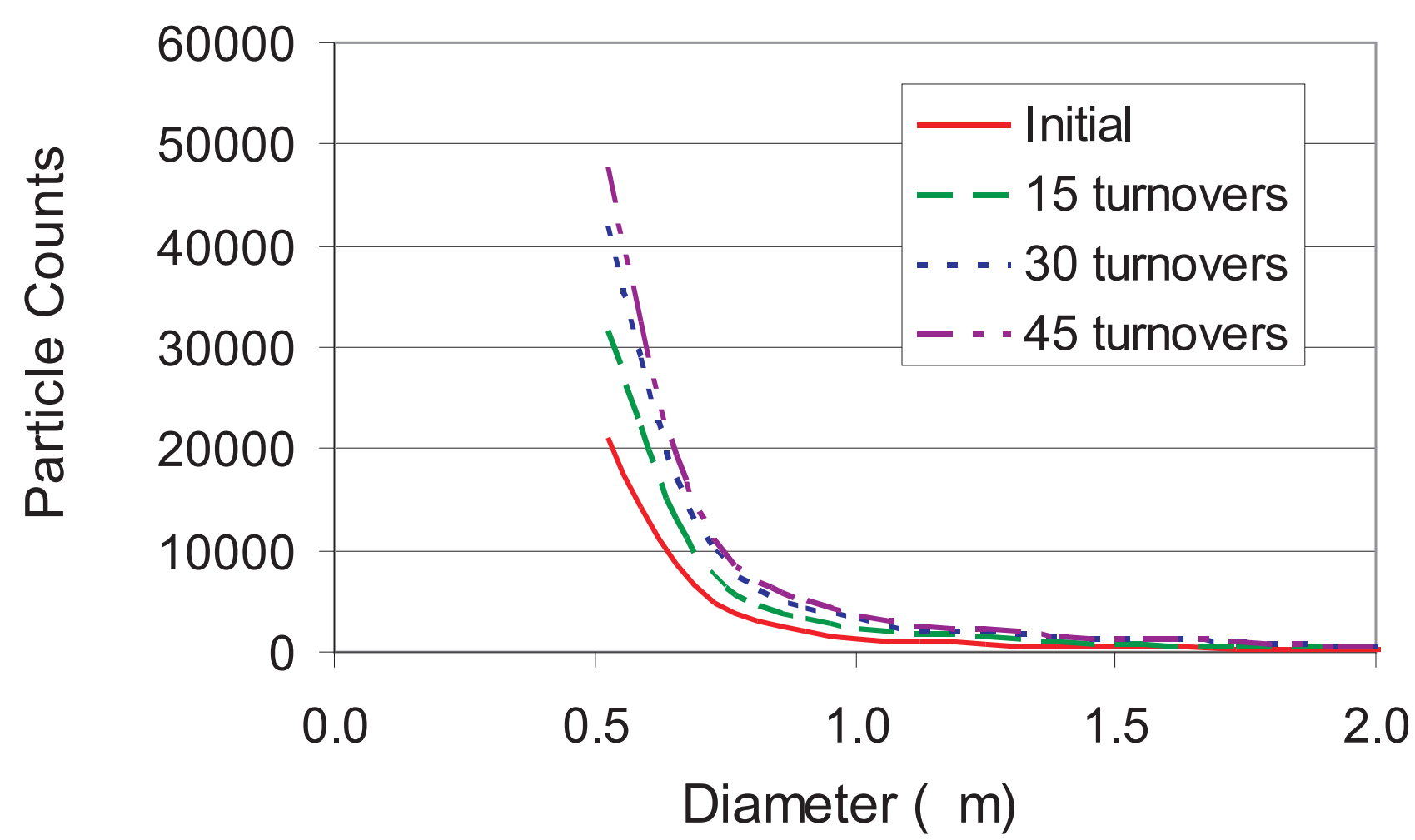
The Ideal Pump For Nanofluids

Comparison OF Pump Induced Particle Agglomeration In Nanofluids

Peristaltic Pump

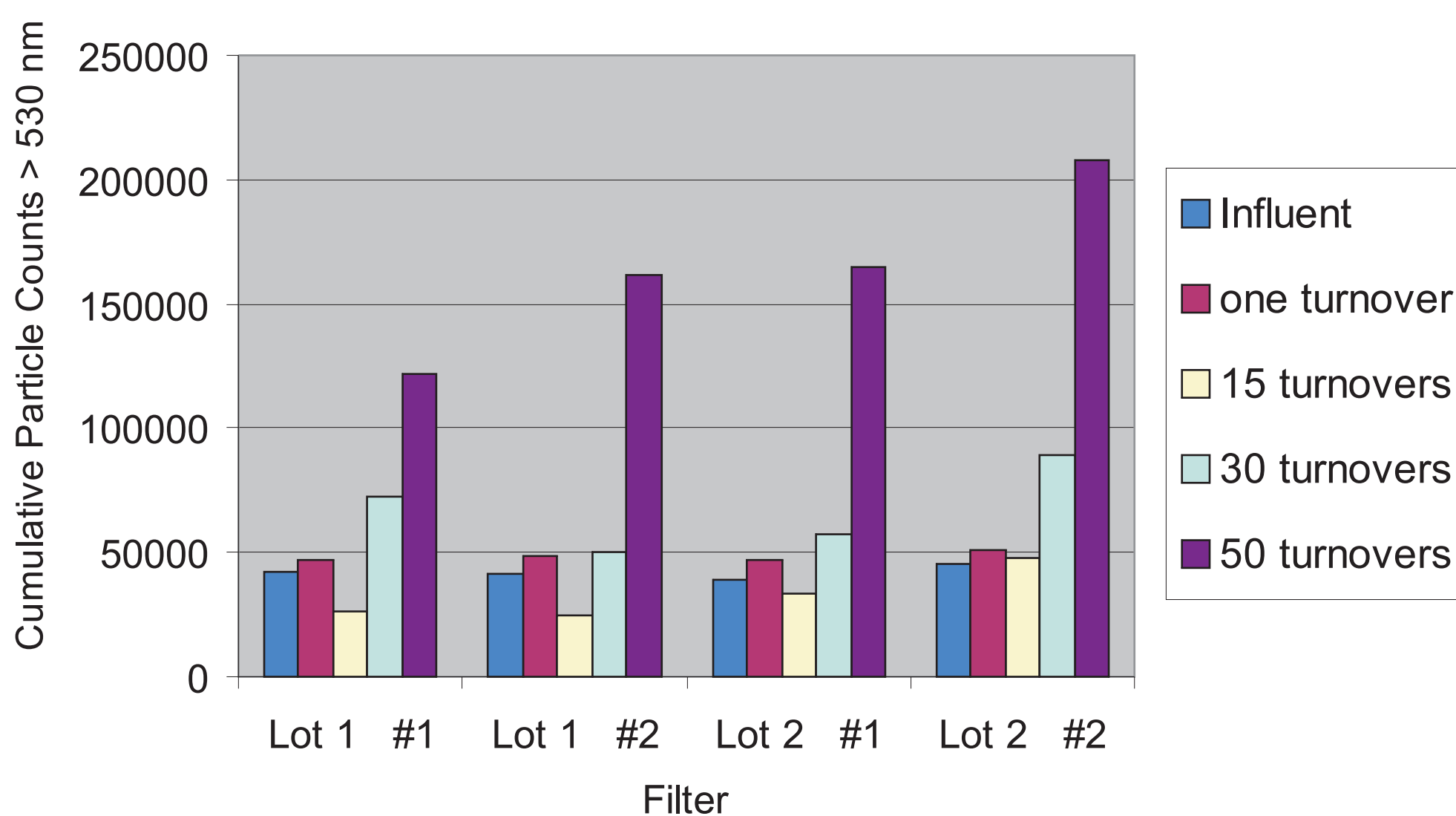


PSD summary for Rotary Peristaltic Pump



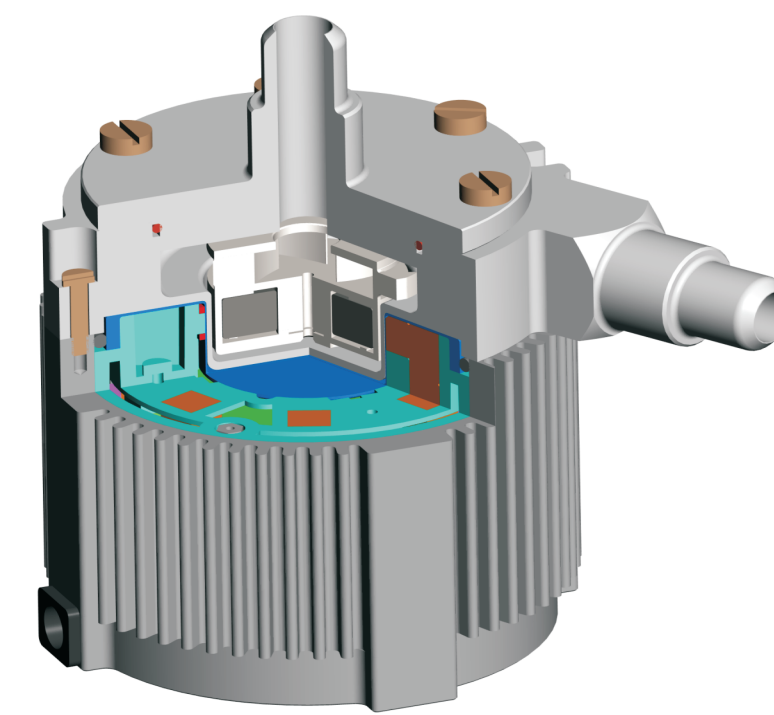
- 250% LPC Increase per 45 Turnovers
- 6% LPC Increase per Turnover
- Sign Of Particle Agglomeration

Fumed Silica Slurry Filtration with Peristaltic Pump

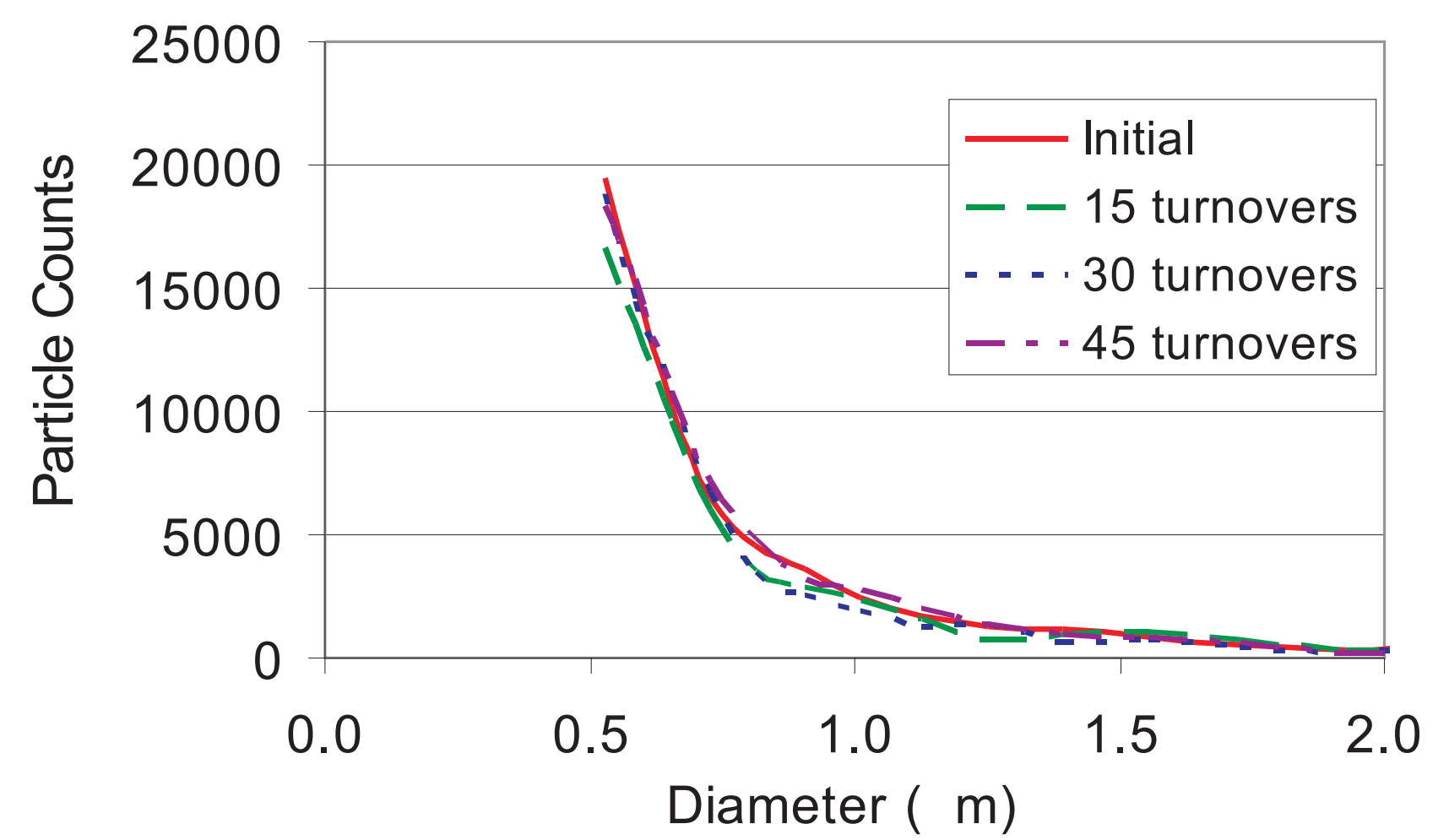


- Continuous Agglomeration of Particles
- No Large Particle Reduction Despite Filtration

Levitronix MagLev Pump

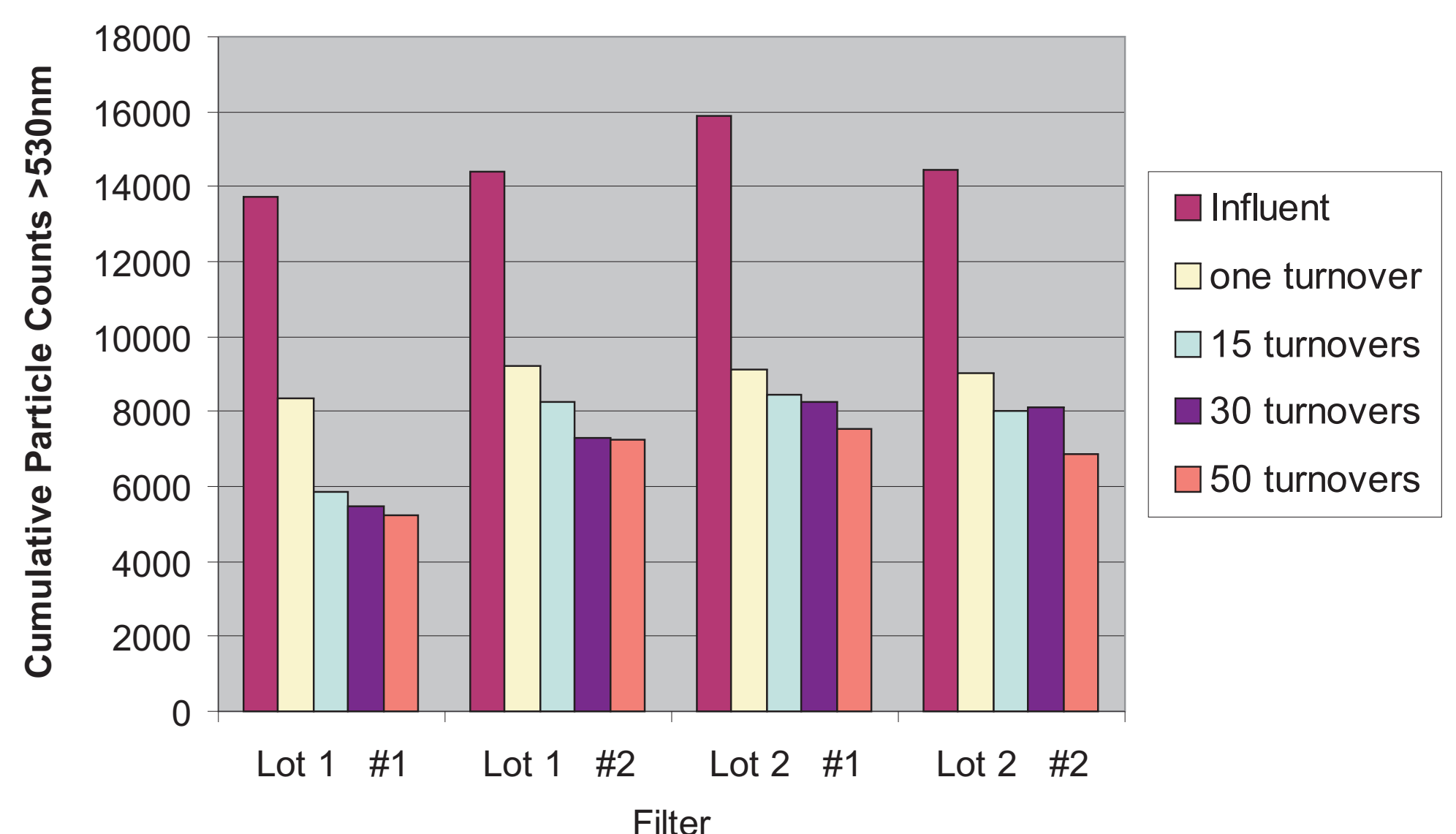


PSD summary for Levitronix BPS-1



- Virtually No LPC Change
- No Particle Agglomeration

Fumed Silica Slurry Filtration with Levitronix Pump



- Virtually No Particle Agglomeration
- Filtration leads to Large Particle Reduction