

°Catalytic Instruments®

hot technologies • clean solutions

Generation of thermally stable and spherical 100nm silver particles

2026

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Sales Manager

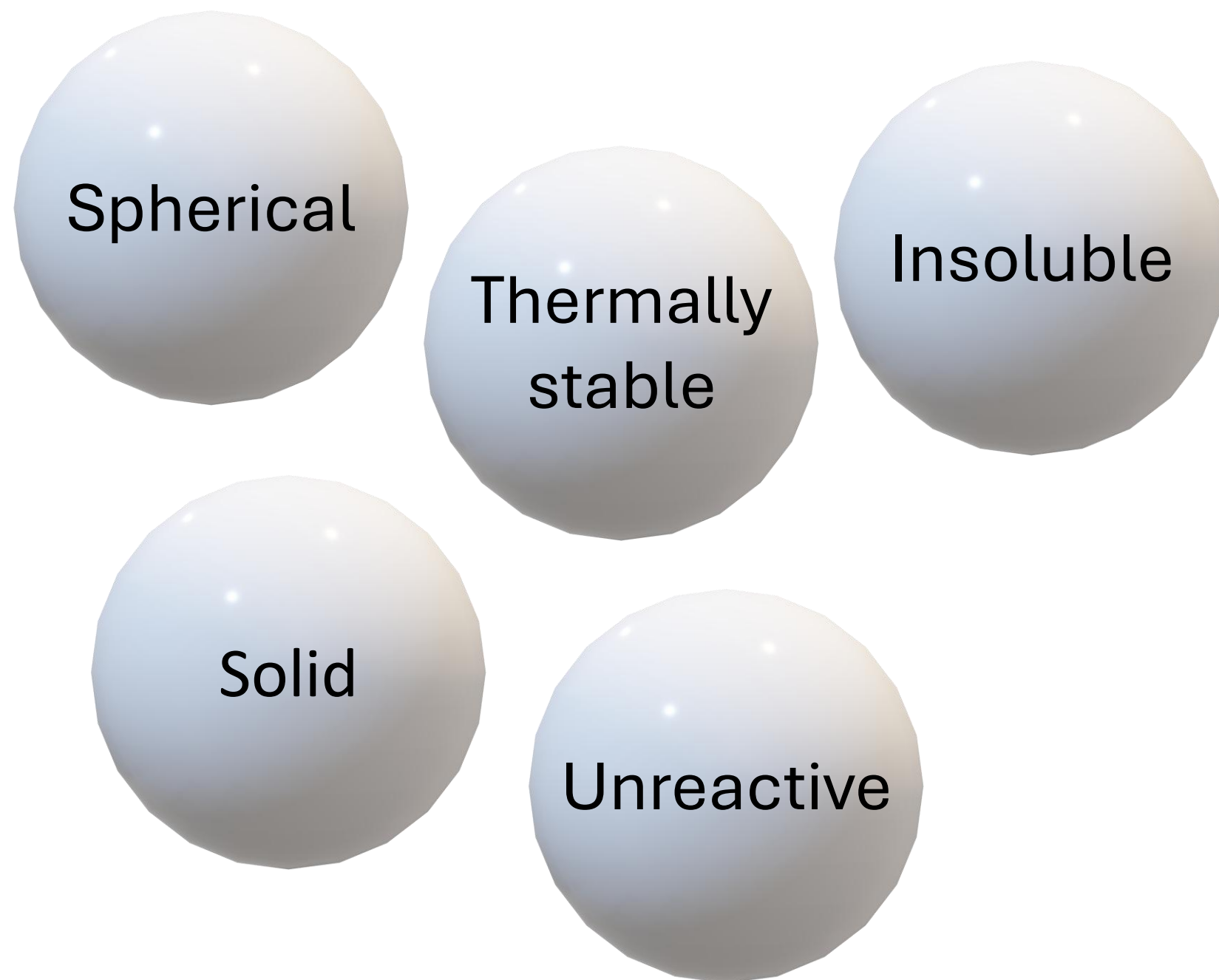
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www.catalytic-instruments.com

Motivation

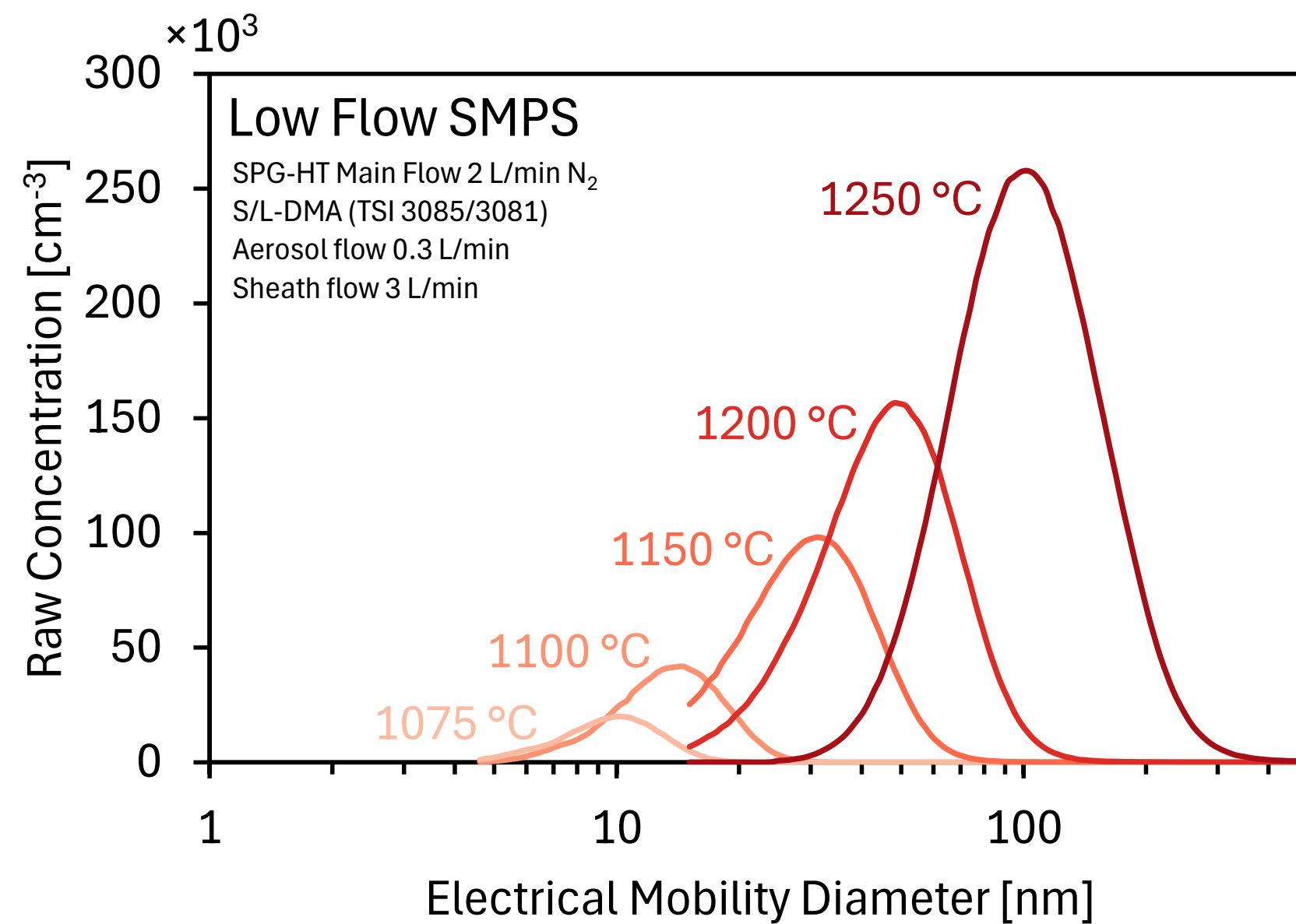
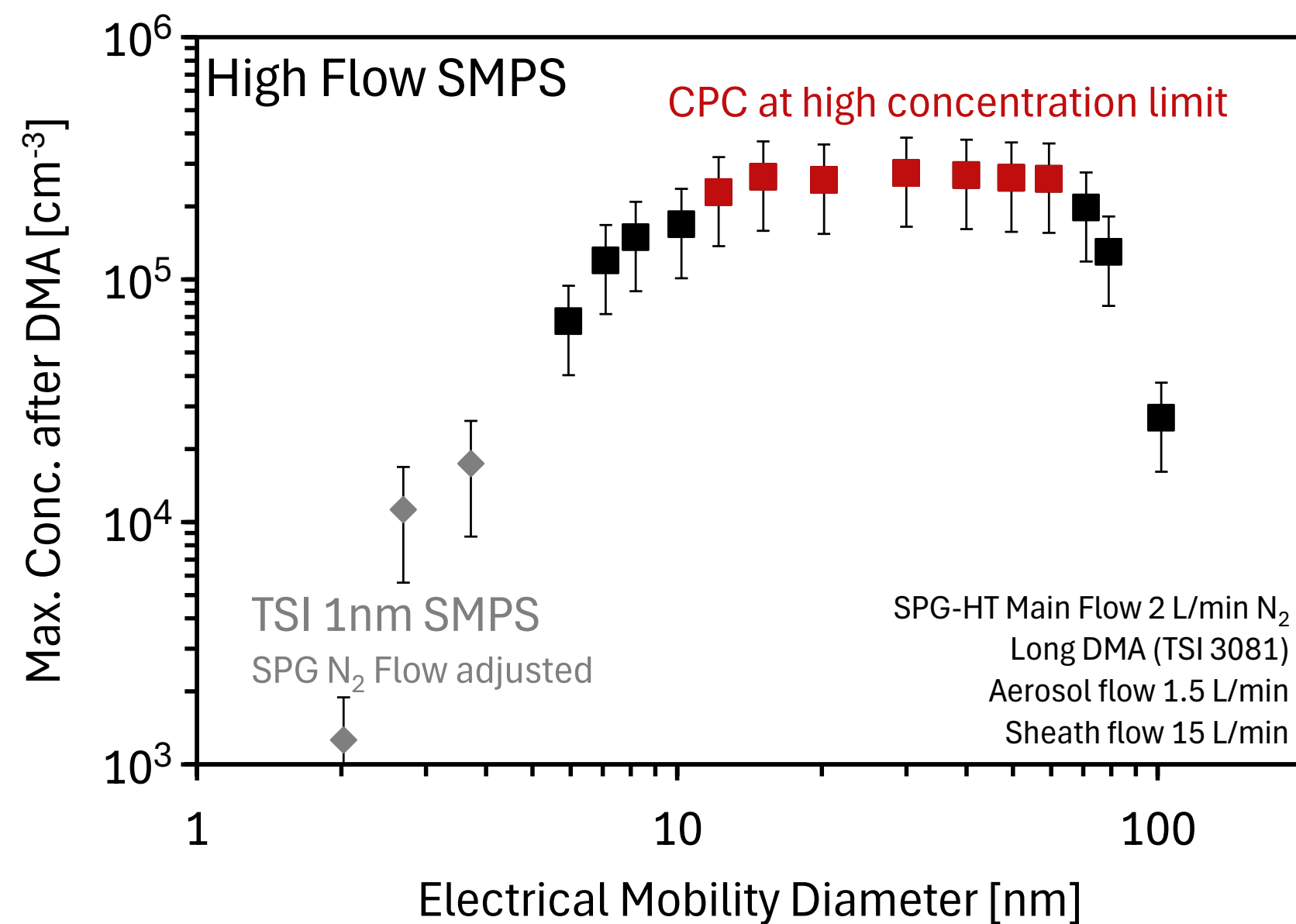
Silver as an ideal aerosol particles for standards and calibrations:



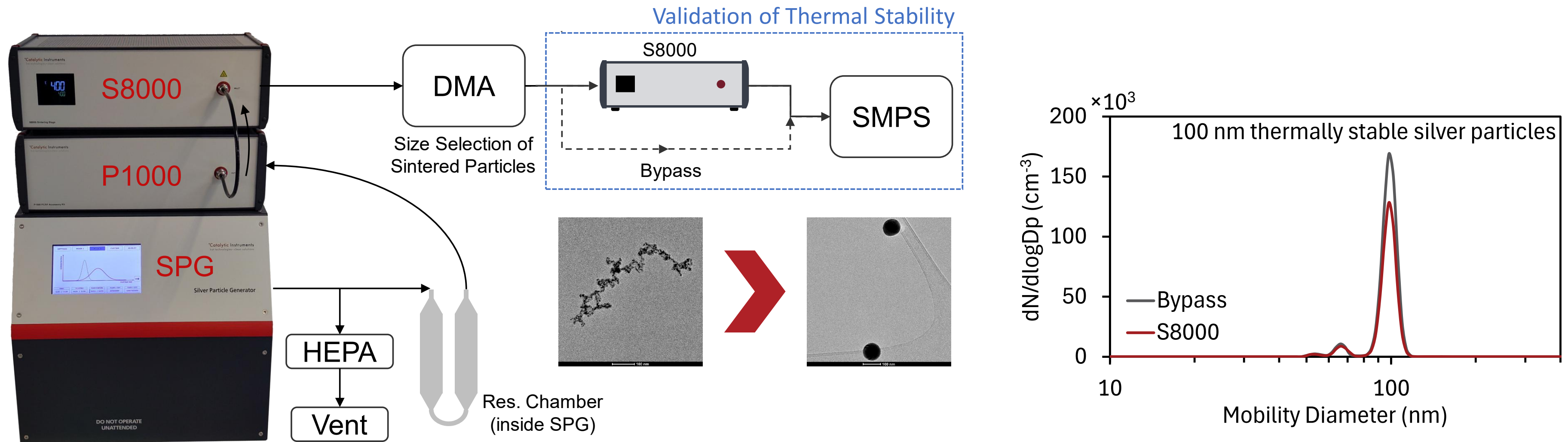
°Silver Particle Generator (SPG)



SPG Performance: Concentrations after DMA selection

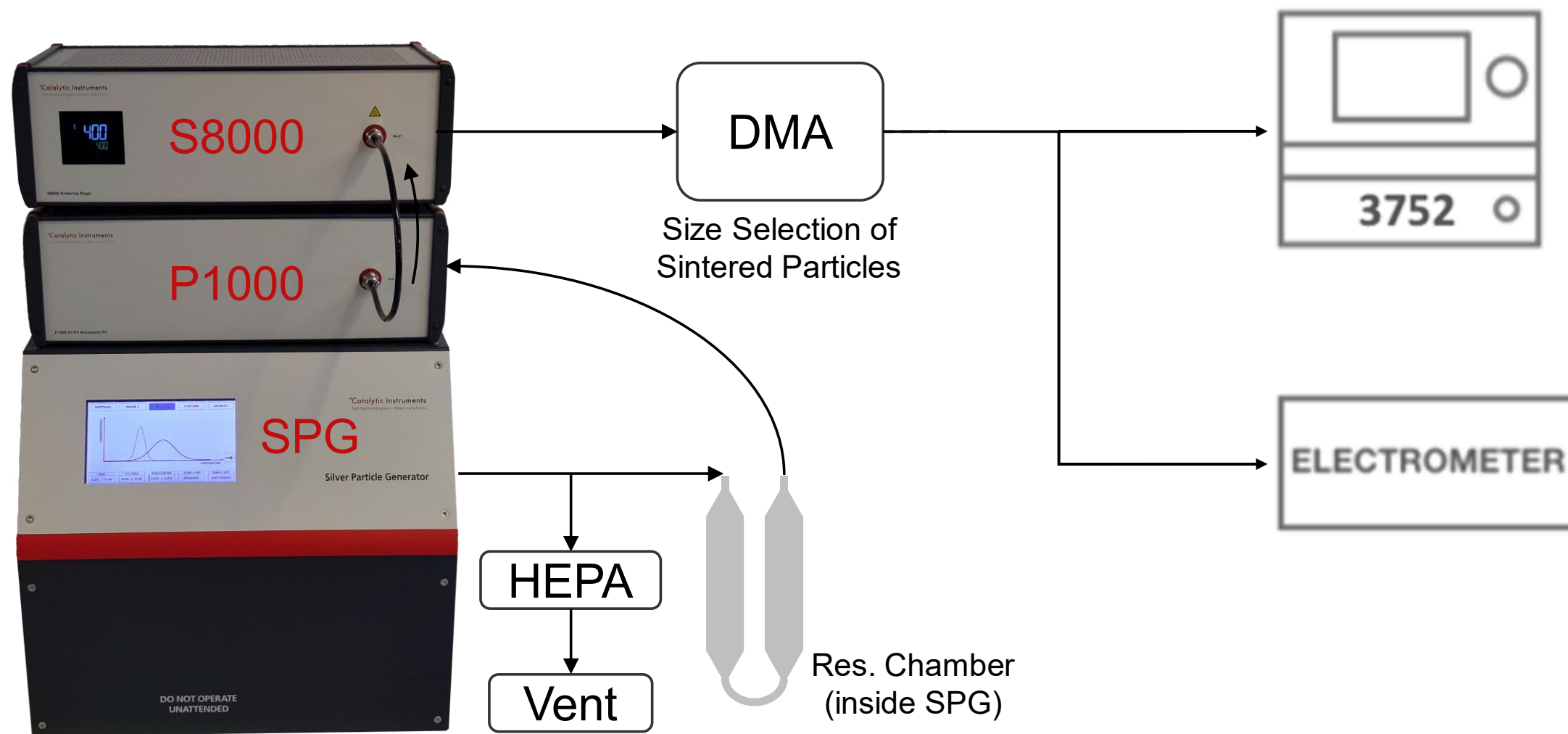


100 nm thermally stable silver particles

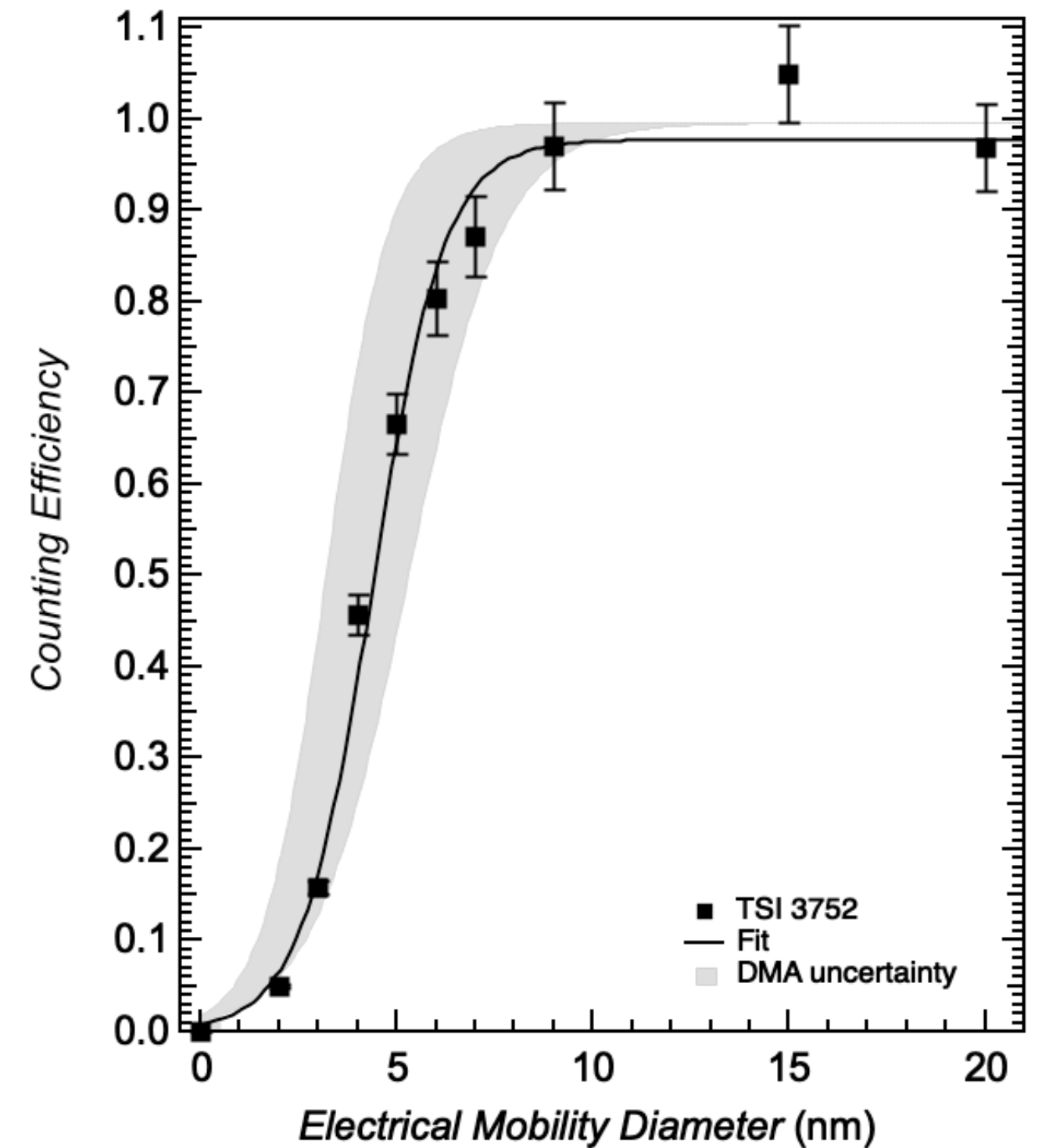


- Thermal stability of the silver particles proven with second sintering
- Generation of 100 nm thermally stable particles with conc. up to 10^5 cm^{-3} possible

CPC Calibration with the SPG

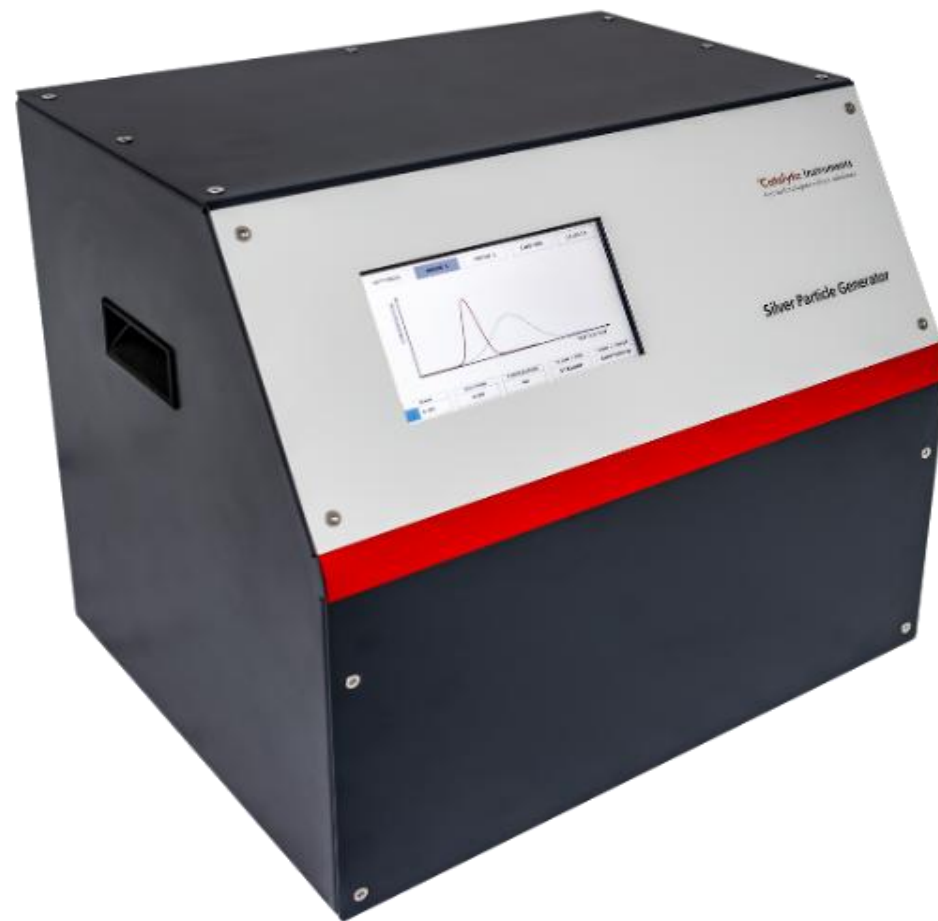


- Easy to handle with precise results
- Time efficient: short warm-up & min. response time
- Cost efficient

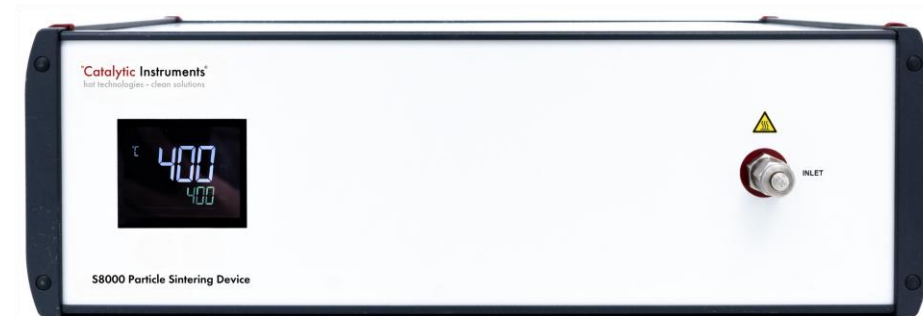


Products

Particle Generators



°Silver Particle Generator



°Particle Sintering Device

Filters



°Catalytic Stripper
0.2 to 20 lpm



°Catalytic Vapor Filter

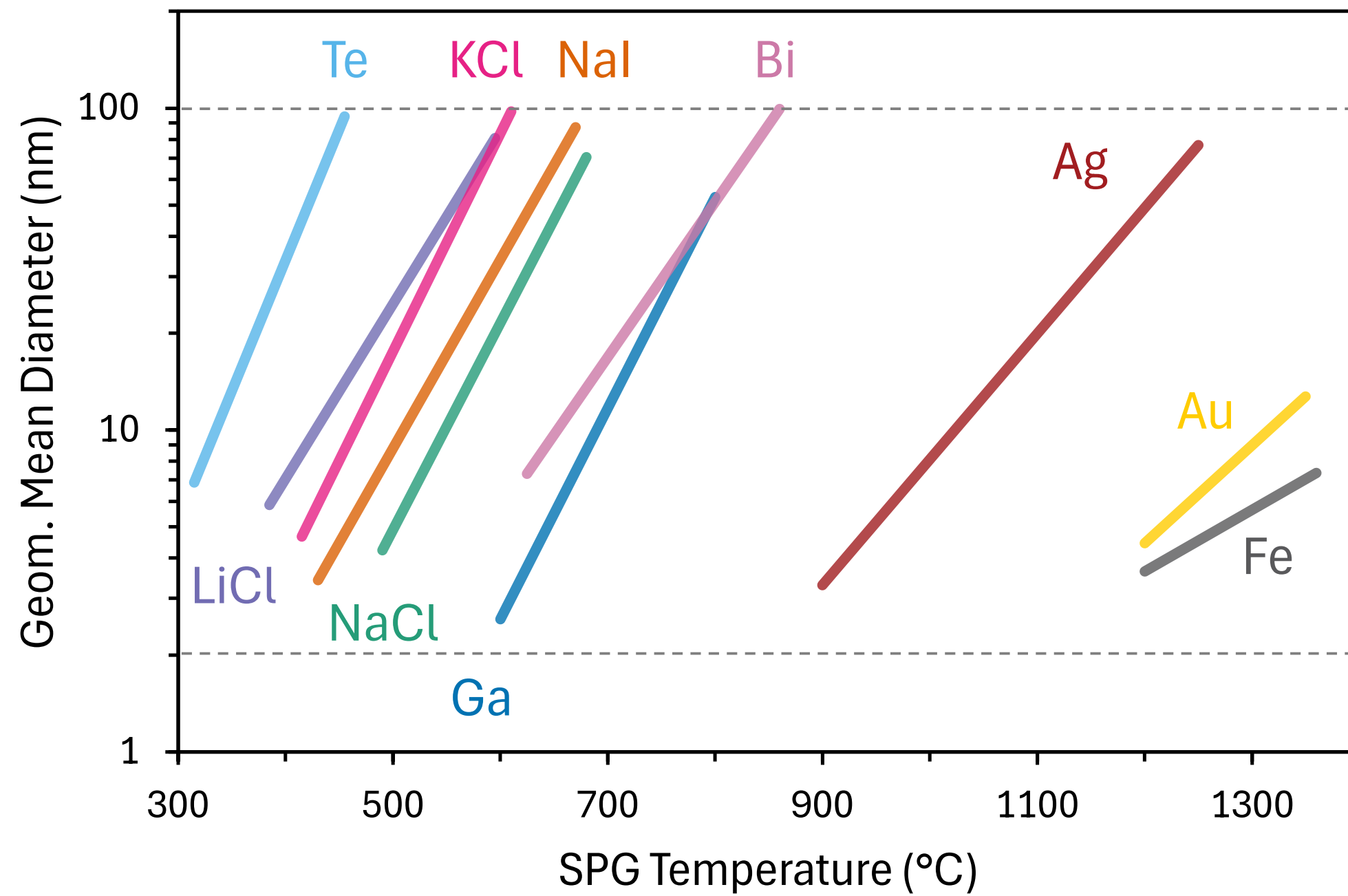


°Catalytic Vapor Filter
NEW! CCVF100
Model: Compact

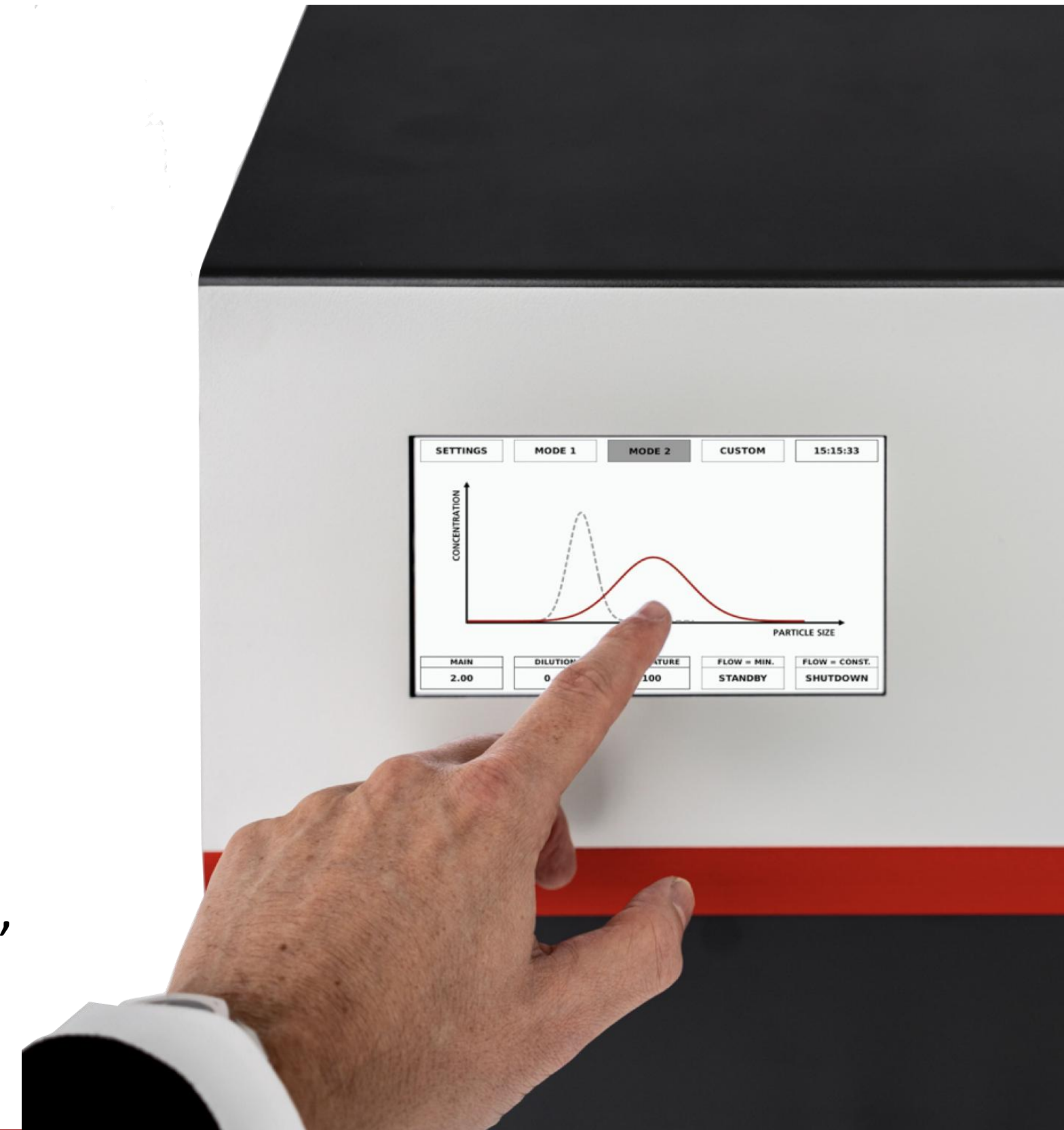


HEPA FILTER

New materials



- Other materials tested with SPG: gold, bismuth, iron, gallium, tellurium, tetracontane, salts (LiCl, KCl, NaI, NaCl)
- Note: Each material requires its own tube set.



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Contact us

Elevate Your Aerosol
Measurement Precision with us!
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Thank you for your attention!

