

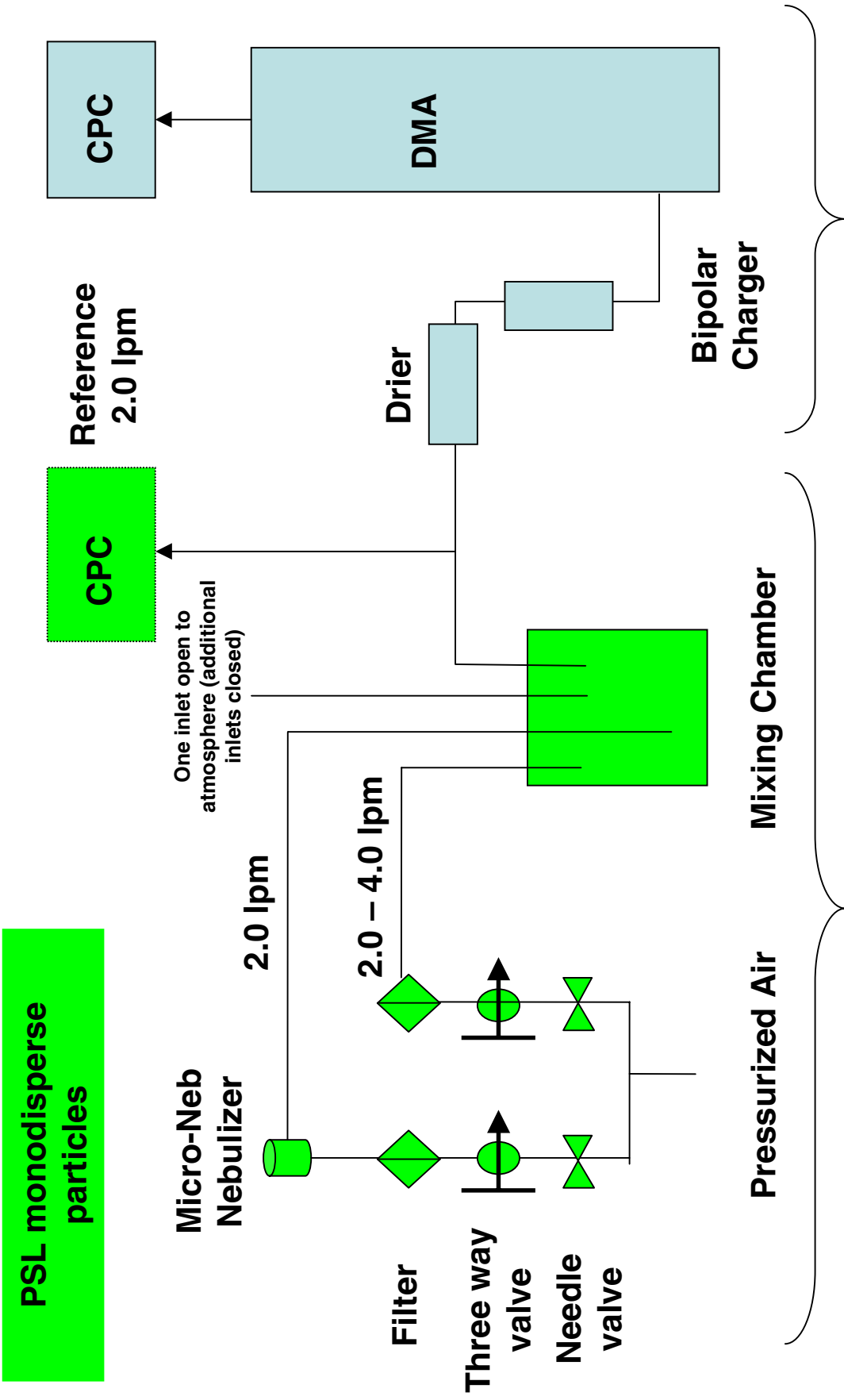
DMPS/SMPS intercomparison

Comparison in sizing for different DMPS/SMPS systems within the Nordic countries

So far, six systems have been calibrated using a simple intercomparison unit that has been sent to the different participating groups:

1. Lund University, Department of Physics, Division of Nuclear Physics, Lund, Sweden
System Malmö (operated continuously in central Malmö)
System Abisko (operated continuously at a station in Abisko in northern Sweden, two calibrations for two different types of DMAs)
System RESPI (used within a set up for respiratory deposition)
2. National Environmental Research Institute, Department of Atmospheric Environment, Roskilde, Denmark
3. Copenhagen University, Department of Chemistry, Copenhagen, Denmark

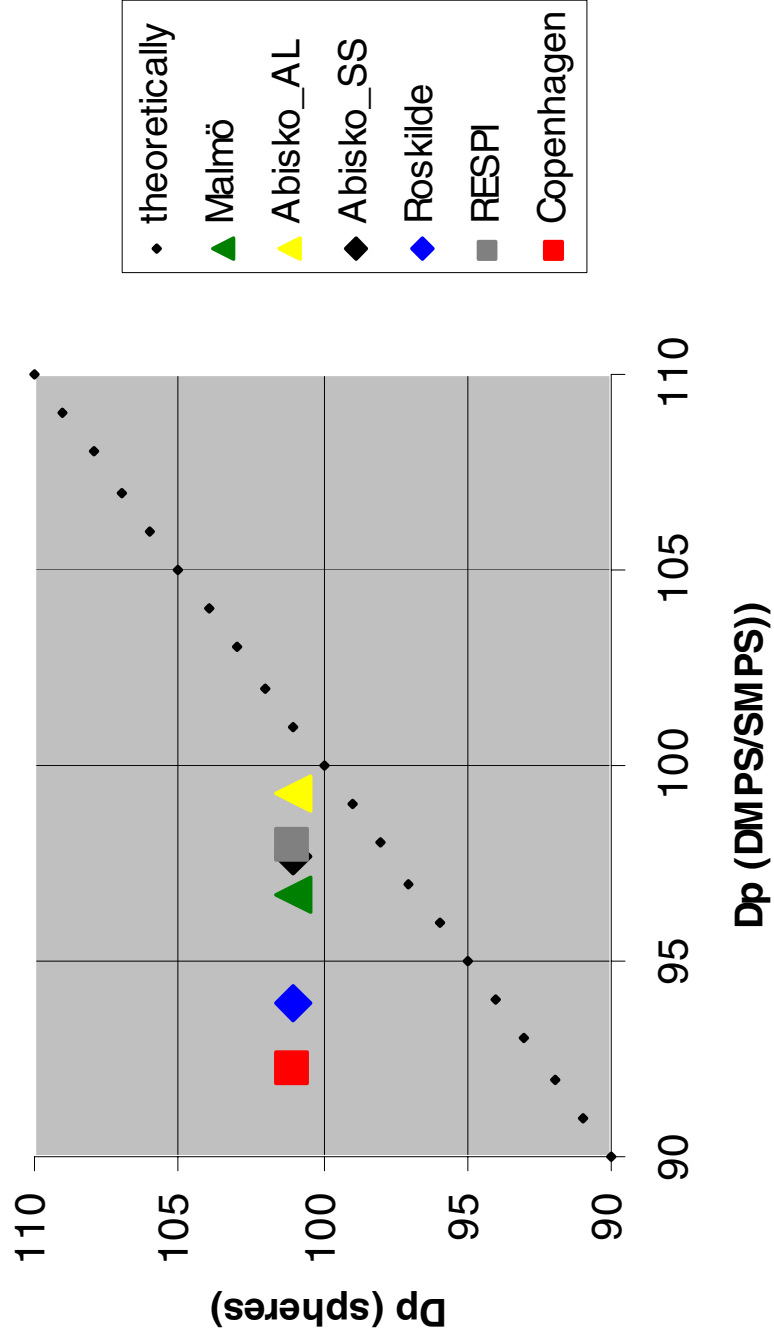
DMPS/SMPS intercomparison set up



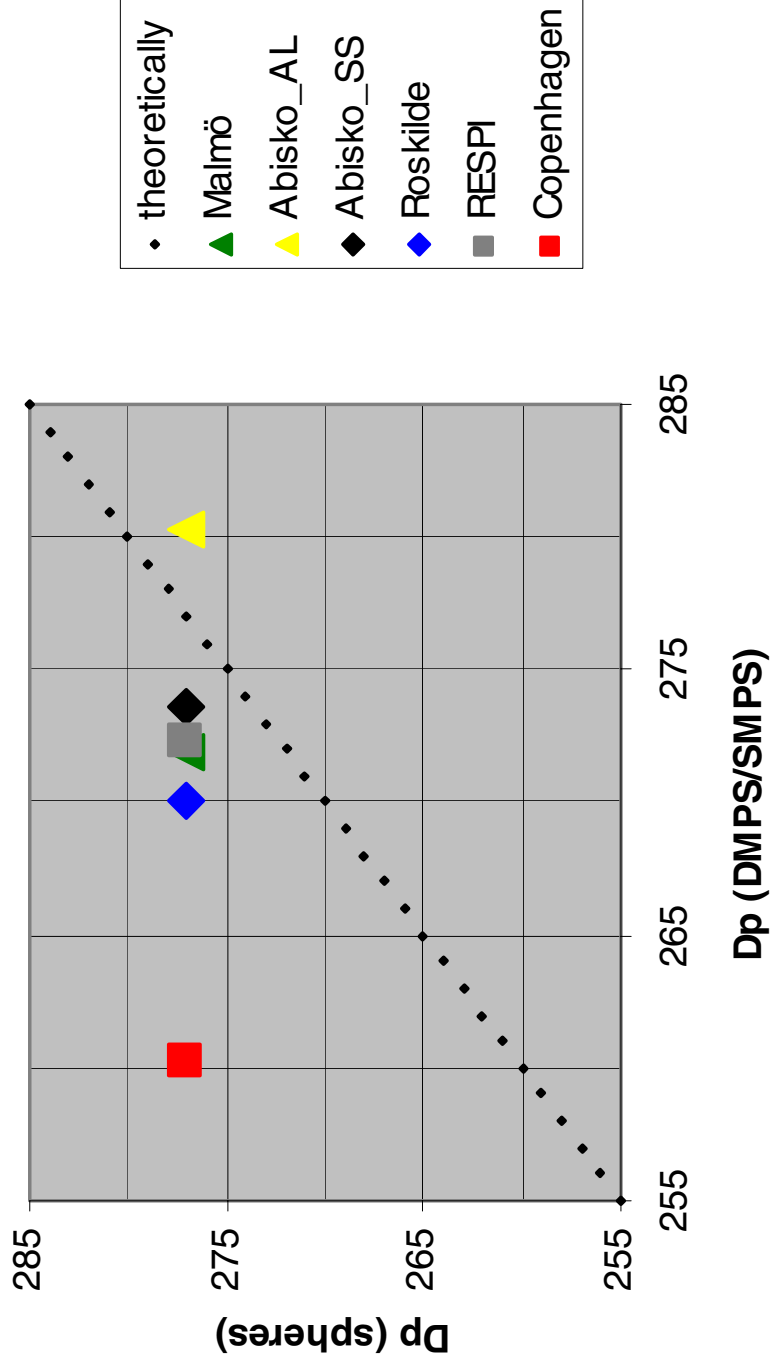
Your System operated at defined flowrates

Supplied by Lund

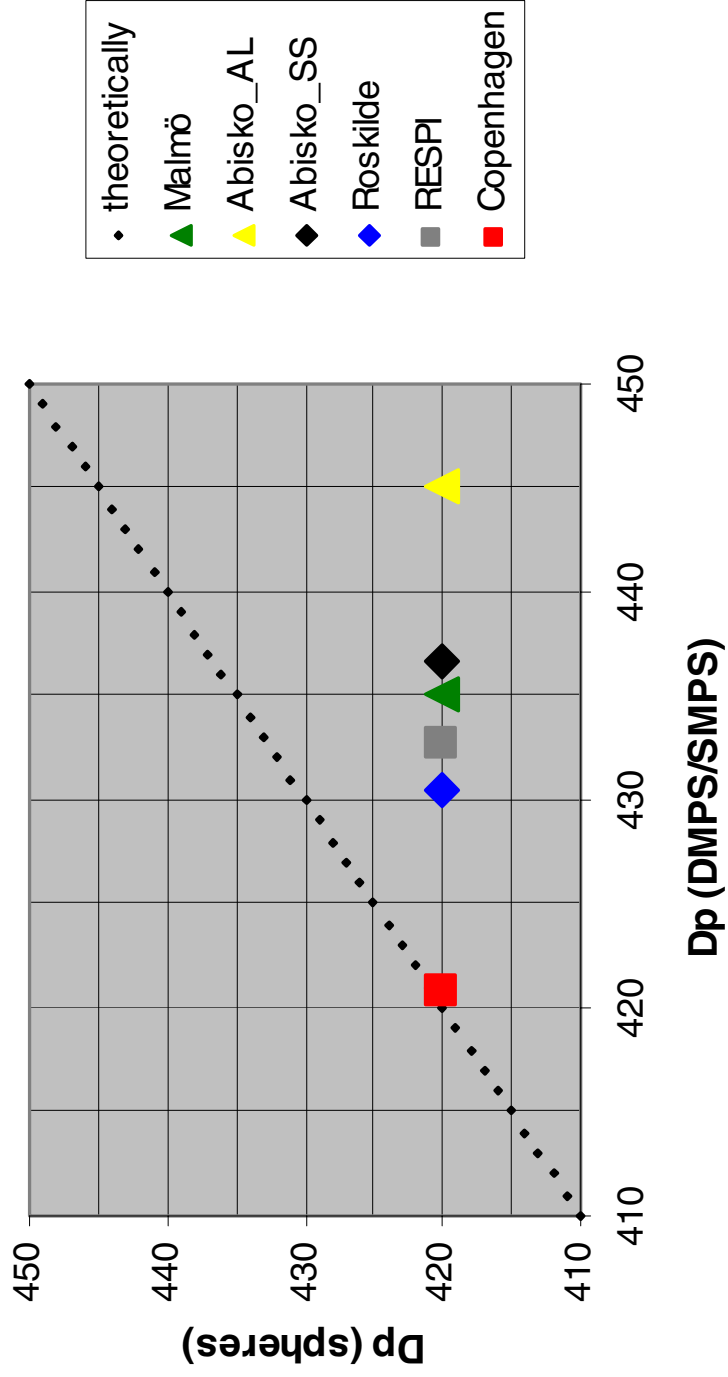
Comparison in sizing Dp = 101nm



Comparison in sizing Dp = 277nm



Comparison in sizing Dp = 420nm



SMPS/DMPS intercomparison

Comparison in sizing for different DMPS/SMPS systems within the Nordic countries

In the future, the following groups will have the chance to participate in the intercomparison workshop:

4. Göteborg University, Göteborg, Sweden (hopefully on Monday next week with two systems)
- 5 Norwegian Institute for Air Research, Oslo, Norway
6. University of Stockholm, Institute for Applied Environmental Research, Stockholm, Sweden
7. University of Helsinki, Helsinki, Finland