

Sheath Flow Dryer

Model 3082-SHEATHDRYER

The Sheath Flow Dryer is a desiccant dryer designed to reduce the sheath air relative humidity (RH) in the TSI® Electrostatic Classifier 3082 or the Scanning Mobility Particle Sizer™ (SMPS™) 3938.

Whether your application involves moderate to high relative humidity (RH) levels in the sampled aerosol or not, the addition of a sheath dryer can prove to be immensely valuable when utilizing an SMPS™ for continuous ambient air monitoring.



Diffusion Dryers

Models 3062 & 3062-NC

Removes moisture from sample aerosols.

Our Diffusion Dryers include removable extractor for collecting large water droplets. Desiccant surrounding the aerosol flow path removes excess moisture by diffusional capture. Because aerosol never comes in contact with the desiccant, there is minimal particle loss. Regenerate the desiccant simply by removing it from the Diffusion Dryer and baking it at 120°C. Maximum flow rate is 4 L/min. The -NC version has identical specifications, but no cobalt in the orange desiccant.

