

HPD II High Pressure Diffuser

Lasair® II 110 and Lasair III 110 Accessory



The HPD II reduces the pressure of dry, inert, non-toxic, non-flammable gases, such as Clean Dry Air (CDA), nitrogen, carbon dioxide and argon to a level acceptable for the Lasair II 110 and Lasair III 110 aerosol particle counters, which are designed to operate at atmospheric pressure.

BENEFITS

- Two models to reduce high-pressure gas between 40 – 100 psi or 75 - 150 psi to about atmospheric pressure
- Use in conjunction with a Lasair II-110 or Lasair III-110 particle counter to measure particles as small as 0.1 μm in CDA, nitrogen, carbon dioxide or argon
- Allows users to efficiently monitor pressurized gases with standard aerosol particle counters

FEATURES

- Specifically designed for use with the Lasair II-110 and Lasair III-110 particle counters
- Simple connections for gas inlet/outlet
- Filtration of any excess gas
- Particle counter can remain on, even when gas supply is off



**PARTICLE
MEASURING
SYSTEMS®**
a spectris company

Without measurement there is no control

HPD II High Pressure Diffuser

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Specifications

Particle size range	0.1 µm – 1.0 µm
Sample gas	Dry, inert, non-toxic, non-flammable gases (CDA, nitrogen, carbon dioxide, argon) NOTE: If using carbon dioxide, contact Particle Measuring Systems.
Sample gas pressure	Model HPD II 100: 40 - 100 psi Model HPD II 150: 75 - 150 psi
Sample gas flowrate	1 CFM
Sample gas temperature	50 – 90 °F (10 – 32 °C)
Inlet fitting	VCR-type, #4, 316-SS
Outlet fitting	3/8" ID with O-ring seal
Dimensions (h, w, d)	5.1 x 9.8 x 5.5 in (13 x 25 x 14 cm)
Weight	5.8 lb (2.6 kg)

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