

# HPD II High Pressure Diffuser

Lasair® III 110 and Lasair II 110 Accessory

*Particle counter accessory that allows direct sampling of pressurized air, nitrogen, and inert gases*



*Without measurement there is no control*

The HPD II reduces the pressure of dry, inert, non-toxic, non-flammable gases, such as Clean Dry Air (CDA), nitrogen and argon to a level acceptable for the Lasair III 110 and Lasair II 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 compatible particle counter to measure particles as small as 0.1  $\mu\text{m}$  in CDA, nitrogen or argon
- Allows users to efficiently monitor pressurized gases with standard aerosol particle counters

## **FEATURES**

- Specifically designed for use with the Lasair III 110 and Lasair II 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

# HPD II High Pressure Diffuser

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Specifications

<b>Compatible instruments</b>	Lasair III 110, Lasair II 110, Lasair III 310C, IsoAir 310P
<b>Particle size range</b>	0.1 – 1.0 µm
<b>Sample gas</b>	Dry, inert, non-toxic, non-flammable gases (CDA, nitrogen, argon) <b>Note:</b> If using carbon dioxide, contact Particle Measuring Systems.
<b>Sample gas pressure</b>	Model HPD II 100: 40 - 100 psi Model HPD II 150: 75 - 150 psi
<b>Sample gas flowrate</b>	1 CFM
<b>Sample gas temperature</b>	59 – 90 °F (15 – 32 °C)
<b>Inlet fitting</b>	VCR-type, #4, 316-SS
<b>Outlet fitting</b>	3/8-in ID with O-ring seal
<b>Dimensions (h, w, d)</b>	5.1 x 9.8 x 5.5 in (13 x 25 x 14 cm)
<b>Weight</b>	5.8 lb (2.6 kg)

## HEADQUARTERS

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**PARTICLE  
MEASURING  
SYSTEMS®**  
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