



# High Pressure Diffuser THPD-01B

Aerosol monitoring assessor

## Features

- Measures gases from 25 to 100 psi (60 to 100 psi for 100LPM).
- No external flow meters needed.
- Low contamination, < 5% of ISO Class I or II cleanliness
- Economical monitoring of pressurized gases with atmospheric pressure particle counters.
- Can be used with Clean Dry Air, Nitrogen, or other non-toxic inert gases
- No moving parts to wear.
- Connects via male 4-VCR fitting.
- Exhaust filter prevents possible room contamination
- Mounting clamps supplied.
- Stainless steel construction

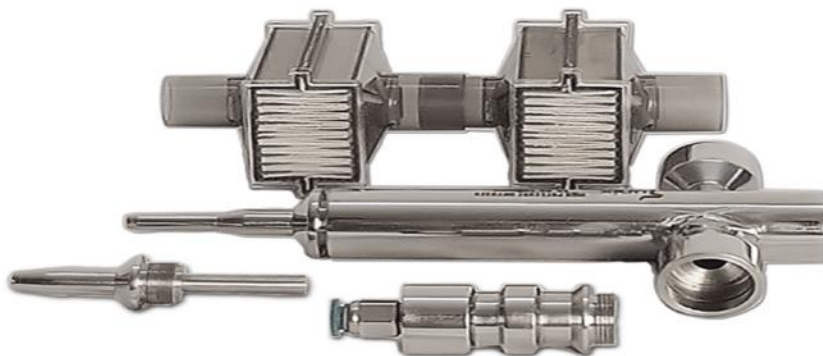


Sampling gases at pressures higher than sea level, such as 25 – 100 psi, is challenging for particle counters. Connecting pressurized air or gas directly to a particle counter can damage the instrument.

High Pressure Diffusers (HPDs) are developed to address particle counting in compressed gas. HPDs reduce the pressure of the gas to near atmospheric pressure by allowing some of the air/gas to diffuse out of the system and allow the particle counter's flow-metering system to normally function without any chance of damage.

## Technical Specifications

Input Pressure	: High Pressure 20 – 100 psi for 100 LPM flow rate
Temperature range Typical	: (5 – 40 °C) Humidity 0 – 90% RH Non condensing
Material Enclosure	: 316L stainless steel body, 2 exhaust filters
Gaskets	: Rubber O-rings Sample gas Dry, inert, non-toxic, non-flammable gases (CDA, nitrogen, argon, carbon dioxide)
Compatible with	: TSI / PMS particle counters



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