



## High Pressure Diffuser

Testing high-pressure air and gasses requires excess air to be vented, allowing the particle counter to sample the volume based in its set flow rate. The High Pressure Diffuser (HPD) assists in the testing of compressed air/gas systems for total air particulates. This diffuser can be used in conjunction any EMTEK microbial sampler or TSI AeroTrak® portable particle counter with 28.3 (1 CFM), 50, 75, or 100 LPM flow rates for testing of particles down to 0.3µm particles (HPD1).

The simple design and three-piece construction of electro-polished 316SS, the HPD generates virtually no particulate matter. It is very easy to clean and is ideal for accurate particulate monitoring of your Compressed Air and Gas Systems with any TSI portable Particle Counter.

Filtered vents ports makes the HPD2 significantly quieter and allows for greater sensitivity (to 0.1µm).



SPECIFICATIONS	
Material	Electropolished 316 Stainless Steel
Minimum Particle Size	=>0.1µm
Applications	28.3 (1 CFM), 50, 75 and 100 LPM Laser Particle Counter/Photometer
Pressure Requirements (Approx.)	28.3/50 LPM: 15-18 to 125 PSI, 75/100 LPM: 18-21 to 125 PSI
Fittings/Adapters to tap/drop	3/4" Sanitary Fitting
Fittings/Adapters tubing to LPC	28.3/50 LPM: 0.188"/0.375" 75/100 LPM: 0.500"
Dimensions	5.5" L x 1.25" OD x 6" W (with filters)
Part Numbers	
28.3/50 LPM LPC	EMTEK.HPD2.28.3/50
75/100 LPM LPC	EMTEK.HPD2.75/100