



CLEANROOM MANAGEMENT INTERNATIONAL

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Total Air Particulate - Compressed Air/Gas High Pressure Diffuser

Due to frequent inquiries, EMT is happy to offer a High Pressure Diffuser to assist in the testing of compressed air/gas systems for total air particulates. This diffuser can be used in conjunction with almost any Laser Particle Counter (LPC) on the market with a 1 CFM, or 28.3, 50, 75, or 100 LPM Flow Rates for testing of particles down to 0.3 microns. With the three piece construction of electro-polished 316SS, the unit itself generates virtually no particulate matter. It is ideal for accurate particulate monitoring of your

For use in conjunction with a 28.3, 50, 75, or 100 LPM Laser Particle Counters



HPD Description	EMTEK Total Particulate High Pressure Diffuser (HPD)
HPD Material	316 Stainless Steel / Electro-polished
Equipment/Flow Compatibility	1 CFM, 28.3, 50, 75 and 100 LPM Laser Particle Counter (LPC)
HPD Pressure Requirements (Approx)	1CFM, 28.3, 50/15-18 to 125 PSI 75 or 100 LPM/18-21 to 125 PSI
HPD Fittings/Adapters to drop/Inlet Side	1" Sanitary Fitting (0.980" OD)
HPD Fittings/Adapters tubing to LPC/Outlet Side (Barb)	0.375"/0.188" OD (28.3/50 LPM) 0.500" OD (75/100 LPM)
HPD Dimensions	5.5" Length x 1.25" OD
HPD Part/Order # for 28.3/50 LPM LPC 75/100 LPM LPC	EMTEK.HPD1.28.3/50 EMTEK.HPD1.75/100

HYRBRID HIGH PRESSURE DIFFSUER

NEW! "Hybrid" HPD for use with RCG and P100 for Microbial Testing, and Laser Particle Counters for Total Particulate testing.



HPD Description	EMTEK Filtered Total Particulate/Microbial High Pressure Diffuser (HPD)
HPD Material / Finish	316 Stainless Steel / Electro-polished
Equipment/Flow Compatibility	V100/RCG (28.3, 50 & 100 LPM), P100 (28.3 & 100 LPM) 1 CFM, 28.3, 50, 75 and 100 LPM Laser Particle Counter (LPC)
HPD Pressure Ranges (Approx)	V100/RCG, and LPC's: -1 CFM, 28.3, 50/15-18 to 125 PSI (1.3-8.6 bar) -75 or 100 LPM/18-21 to 125 PSI (1.5-8.6 bar) P100 (with Compressed Gas Kit) -28.3 LPM / 6-80 PSI (0.5-6.5 bar) -100 LPM / 26-110 PSI / 1.8 – 7.6 bar)
HPD Fittings/Adapters to drop/Inlet Side	1" Sanitary Fitting (0.980" OD)
HPD Fittings/Adapters tubing to LPC & P100 or RCG/Outlet Side (Barb)	0.500"/0.375"/0.188" OD (28.3/50 LPM for LPC's) & 0.500" OD (28.3/50 LPM for P100 or RCG), or 0.500" OD (75/100 LPM)
HPD Exhaust Filters	Cartridge with 0.2micron Pleated HEPA Filters
HPD Dimensions	5.5" Length x 1.25" OD
HPD Part/Order # for 28.3/50 LPM 75/100 LPM	EMTEK.HPD2.28.3/50.FILT EMTEK.HPD2.75/100.FILT

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