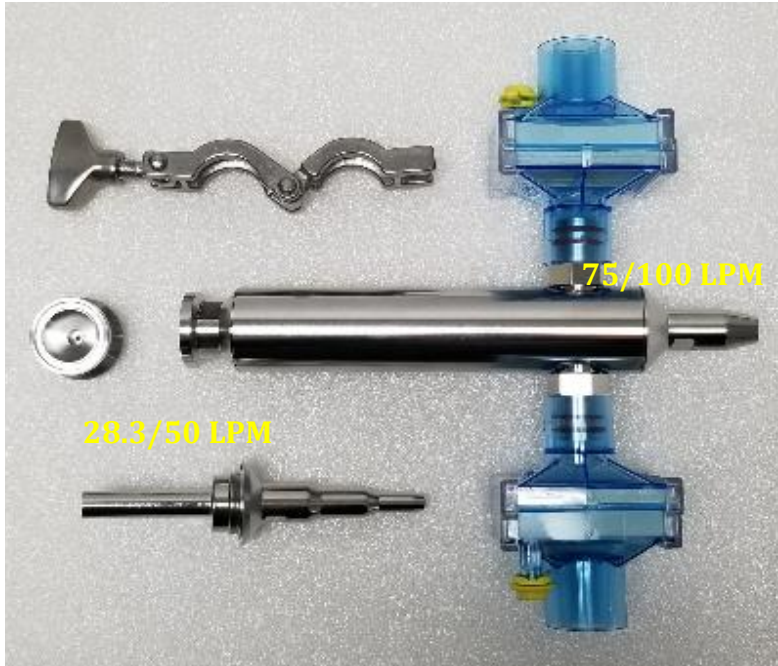




EMTEK, LLC 1500 Kansas Ave. Suite 4C, Longmont CO 80501  
[www.emtekair.com](http://www.emtekair.com) / TEL 877.850.4244 / [sales@emtekglobal.com](mailto:sales@emtekglobal.com)

### EMTEK HIGH PRESSURE DIFFUSER (HPD)

HPD with Exhaust Filters for use with RCG and P100 for Microbial Testing, and Laser Particle Counters for Total Particulate testing



|  |  |
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| HPD Description  | EMTEK Exhaust 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)   | <p>V100/RCG, and LPC's:</p> <ul style="list-style-type: none"> <li>-1 CFM, 28.3, 50/15-18 to 125 PSI (1.3-8.6 bar)</li> <li>-75 or 100 LPM/18-21 to 125 PSI (1.5-8.6 bar)</li> </ul> <p>P100 (with Compressed Gas Kit):</p> <ul style="list-style-type: none"> <li>-28.3 LPM / 6-80 PSI (0.3-6.5 bar)</li> <li>-100 LPM / 26-110 PSI / 1.8 – 7.6 bar)</li> </ul> <p><b>P100 LOW PRESSURE TESTING @ 28.3 LPM :</b> 50-100 MBAR / 0.05 to 1.0 bar, can be achieved using a 100 LPM outlet barb on the inlet of the HPD body, and 28.3 LPM outlet barb.</p> |
| 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<br>75/100 LPM                       | EMTEK.HPD2.28.3/50.FILT<br>EMTEK.HPD2.75/100.FILT  |