

AEROTRAK® HIGH PRESSURE DIFFUSER MODELS 7950 AND 7955

TEquipment USA
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The TSI AeroTrak® High Pressure Diffuser (HPD) Model 7950 and Model 7955 accessories allow the TSI AeroTrak Particle Counters to measure particulate contamination in high-pressure compressed gas systems. As particle counters cannot sample high pressure gas, they require HPD accessories to reduce the pressure of compressed gases to assess the cleanliness level of compressed gas systems.

Features and Benefits

All Models

- + For monitoring and testing to ISO 8573-1 and SEMI E49.8 limits
- + Reduces gas pressure of up to 120 psi (8.27 bar) to near atmospheric pressure
- + Compatible with AeroTrak Particle Counters (both remote and handheld models) and AeroTrak Cleanroom Condensation Particle Counter Model 9001
- + No manual adjustments or calibration required
- + For use with Clean Dry Air (CDA), Nitrogen (N₂) and Argon (Ar)
- + Passivated stainless steel enclosure resists cleanroom chemicals
- + Exhaust HEPA filter protects HPD accessory from contamination when disconnected from compressed gas source

Model 7950

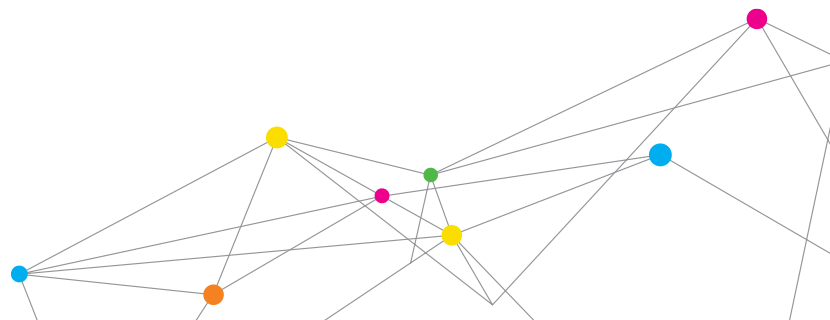
- + 0.1 cfm (2.83 lpm) nominal flow rate

Model 7955

- + 1.0 cfm (28.3 lpm) nominal flow rate
- + Includes bleed air injection for use with low-humidity compressed gas systems



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SPECIFICATIONS

AEROTRAK® HIGH PRESSURE DIFFUSER MODELS 7950 AND 7955

	Model 7950	Model 7955
Flow rate	0.1-0.12 cfm (2.83 - 3.50 lpm)	1.0 cfm (28.3 lpm)
Pressure Range	30 - 120 psi (2.06-8.27 bar)	
Max Purge Pressure	150 psi (10.34 bar)	
Sample Gas Types	CDA, N ₂ , Ar	
Dimensions	14.19 x 7.63 x 3.75 inches (36.0 x 19.4 x 9.5cm)	19.03x7.63x5.99 inches (48.3 x 19.4x15.2 cm)
Weight	7.4 lbs (3.4 kg)	12.3 lbs (5.6 kg)
Exhaust Filter	HEPA (>99.97% for 0.3 µm particles)	
Bleed Air Filter	N/A	HEPA(>99.97% for 0.3 m particles)
Bleed Air Flow	N/A	0.1 - 0.2 cfm (2.83 - 5.86 lpm)
Inlet fitting	¼-inch male VCR Face Seal (316SS)	
Outlet fitting	¼-inch tube connector (316L VAR)	½-inch tube connector (316L VAR)
Material	Enclosure & Body: Passivated 304 Stainless Steel	
	VCR Gaskets: Nickel	
	Critical Orifices: 316L VAR Stainless Steel	

Specifications are subject to change without notice.

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