

# The Headache Factor

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When it's time to buy an air-conveyed trim or dust collection system, how can you tell a high-quality design from a design that looks good on paper but will give you nothing but headaches in the long run? G.F. Puhl experts explain.

The quality of a pneumatically-conveyed waste removal system is determined by a number of factors. It's important to keep in mind that waste removal systems have two primary functions:

1. To remove waste from the production process without plugging the system and causing downtime
2. Keeping the area around the machines clean and safe while minimizing dust accumulation and fire hazards.

Systems with a lower price point are often missing critical components that can lead to expensive problems later. In many low-priced systems, designers use less-than-recommended conveying velocities or substandard materials like thin-gauge metal or short-radius elbows. Lower velocities mean less filter cost up front, but more plugging and lower suction once the system break-in period is complete. Thin-gauge metal often cracks in a short period of time due the pulsing of the system and vibration caused by air movement off of blower radial blades. Short-radius elbows are less expensive, but use more energy and plug more often.

System performance is also a key differentiator. The air system vendor must stand behind the system's performance for the long term to insure the end user's success.

Questions about the selling points of a quality waste removal/recycling system? Need help determining what differentiates one system from another? Give us a call at 615.230.9500 or email us at

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