



Canister Systems Vs. Bulk Adhesives

Bulk System

The difference between a canister system and a bulk system is efficiencies. A bulk system uses a combination of a pump and shop air to deliver the adhesive to a part. With this type of system, an air molecule and an adhesive molecule are joined in order to deliver the adhesive. Through this process the adhesive molecule becomes light and will tend to float which causes inefficiencies. These systems tend to be only 50-60% efficient, meaning at least 40-50% of your adhesive is lost in delivery. This waste also applies to those rolling or brushing adhesive as an operator is likely to apply 2x-3x more adhesive than is necessary. This then increases the time required for an adhesive to tack, reducing a manufacturers' output.

These systems are also very stationary, as they must be tied to shop air. Equipment isn't very ergonomic as the gun is bulky and is tied to two heavy hoses. These require dedicated routine maintenance to ensure they are running properly, which often requires the gun to be disassembled, cleaned, and then reassembled.

Canister System

Canister systems are a lot more efficient. These systems are based on a forced system and require no outside air to deliver the adhesive. These systems utilize a combination of gases, and a specially designed tip to force the adhesive through a hose and gun and onto the final part, making them 90-95% efficient. With no need of outside air, these systems are much more smobile and flexible. The equipment is a lot lighter, putting less fatigue on the users' shoulders, elbows, and wrists.

Maintenance is also very minimal. The gun and hose are very simple and durable. The most critical part of the delivery system is the spray tip, and these are provided free of charge by Applichem.

Coverage Comparisons:

- Canister 22L:
Note: equivalent to (3) 5-gallon pails
- Canister 108L:
Note: equivalent to (1-1.5) 55-gallon drum
- Canister 216L:
Note: equivalent to (2-2.5) 55-gallon drums

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