



Applichem Inc

Your Adhesive & Tape Ally

Why You Should “Stick” with Pressurized Canister Adhesive Systems!

Pressurized canister adhesives have come into their own as a high-performance alternative to bulk solvent or water-based adhesives. Pressurized canister systems offer manufacturers a number of benefits over bulk spraying. Pressurized canisters are self-contained and require no additional/external equipment or external power sources. Canister systems are ideal for manufacturers who may not own adhesive dispensing equipment. A facility can be operational within minutes with this plug and play system.

Ease of Use

Pressurized canister systems are easy to use as they require little set up time and minimal equipment. All that is needed is a gun, hose, and tip, and you are operational! Canister equipment is lighter and more flexible than traditional equipment, making it a lot more ergonomic, putting less fatigue on the user’s shoulders, elbows, and wrists.

Canisters are also portable, so can easily be moved around the shop or work area. No more cords and messy systems! Canister systems take up a lot less room than bulk adhesives, creating more space in your manufacturing facilities.

Cost Effective

Canister systems are more cost effective than their bulk counterparts. They have a 95% transfer efficiency versus 40%-60% of bulk adhesive systems, therefore using less adhesive overall. So, how is this possible?

How a Bulk System Works:

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 inefficiency. These systems tend to be only 50-60% efficient, meaning at least 40-50% of your adhesive is lost in delivery.

How a Canister System Works:

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.

Finally, canister system equipment is much less expensive and a lot more durable than traditional spray equipment, with virtually no maintenance needed – thus saving manufacturers money on equipment and maintenance.

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Sizes

Pressurized canister adhesive come in many different sizes. See below for a size comparison:

- 22L = (3) 5-gallon pails
- 108L = (1-1.5) 55 gallon drums
- 216L = (2-2.5) 55-gallon drums

Closing Words

The benefits of the pressurized canister adhesive system have led many companies worldwide to introduce these systems in their manufacturing facilities. With their flexibility, ease of use, and cost savings – canister systems have quickly outpaced their bulk system counterparts.

Want to learn more about this system, or find out what our customers are saying about it? Contact us at info@applicheminc.com.

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