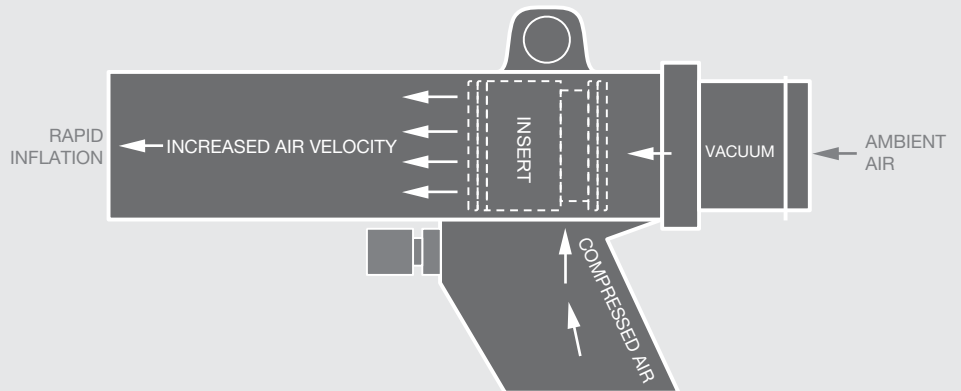


The venturi effect

The velocity of any given amount of compressed air (whether a constant line pressure of 50 psi or 100 psi) is increased by forcing it through small pin holes in the inflator gun insert. The increase in velocity cause a vacuum that pulls ambient air through the large diameter of the gun's rear opening greatly increases air bag inflation.



Introduction

Cairgo is proud to present the new standard in dunnage bag inflating systems called the SuperFlow system. Not only the type of materials used for dunnage bags is important for using dunnage bags, but also the type of inflating system is an important aspect for the proper application of dunnage bags.

The way dunnage bags work effectively is, besides the right size, fully depending on the correct amount of air pressure in the dunnage bag. Lots of companies do not know with what pressure the dunnage bags are inflated, the 'correct' air pressure is estimated. This results in over or under inflation of the dunnage bags which can result in damaged goods and dissatisfied customers.

With the SuperFlow system over and under inflation belong to the past. With the SuperFlow system you will ensure consistent air pressure in your dunnage bags. Once the desired air pressure is reached the air stream is reversed and air will no longer enter

the bag. Time is a valuable intangible aspect in business these days. Besides the advantage of no under or over inflation, the SuperFlow system is a rapid inflating system. On average the SuperFlow system inflates a dunnage bag three times faster than a conventional inflating system, boosting the speed with which the dunnage bags can be applied.

The valve that is used in the SuperFlow system enables your organisation to reuse the SuperFlow dunnage bags. Reusing the SuperFlow dunnage bags can dramatically decrease your investments in load securement.

Advantages for your organisation

The SuperFlow system offers the following advantages:

- Consistent air pressure, no over and under inflation;
- Rapid inflation time, more bags placed per time unit;
- Reusability of the SuperFlow dunnage bags, reducing the investment in load securement;
- Enhanced personnel safety, the bags can not be over inflated, so the bags will not burst;
- Ergonomical design of the inflator tool, 'gun' shaped inflator tool.

How it works ...

The SuperFlow system consists of an inflator tool and a valve. For connecting the inflator tool to the air tube Cairgo offers a range of connector pieces. The SuperFlow system has two main features. The air tool uses the pressured air as well as ambient air (the so called Venturi effect). Due to this system rapid inflation times can be accomplished.

To gain the desired pressure in the bag, there are specific inserts that can be placed in the inflator tool to guaranty the right output pressure of the inflator tool. Which insert to use depends on the input pressure of the compressor and on the required output pressure of the air tool. When the before mentioned variables are met, the CairgoBags can be inflated.

When the right pressure in the CairgoBag is reached the inflator tool will stop inflating the CairgoBag. At that moment the air stream is reversed and the pressured air leaves the inflator tool via the back of the tool.

When the SuperFlow system is properly applied the CairgoBags can not be over inflated until they burst. This makes working with dunnage bags safer for your personnel.

When the right pressure is reached the flapper in the valve closes the valve. The construction of the valve makes it very easy to deflate the bag partly or in whole, just by pressing the flapper. Partly in order to replace the bag and in whole to completely deflate the bag for storage and reuse.



CONTACT

If you have any questions, please contact your local dealer for advice on which type and size of bag to use for your specific situation.

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