

PNEUVAY LT-BLOWER SERIES



(Vacuum Unit)

The Pneuvay LT series three lobe roots type blowers are a new series of roots type blowers. The three lobe design provides better air performance, lower vibrations and noises. It is a significant improvement on the traditional two lobe roots blowers. Traditional roots blowers lubricate bearings and gears with grease and oil, but the Pneuvay LT series is designed to add oil only. It is very easy to maintain as oil has better lubricating properties than grease.

The Pneuvay LT series can be used for both pressure and vacuum applications

There are eleven different model blowers available for the vacuum and pressure applications. Air volume ranges from as low as 20m³/hr to 7800m³/hr for the large LT-300 blower model. A full range of accessories are available, including silencers, valves and joints to compliment the blowers.



(Pressure Unit)

These blowers are being manufactured to Pneuvay specifications and Australian standards

The design of these blowers incorporates three lobes instead of the usual two. Benefits of using this three lobe, low pulse design include:-

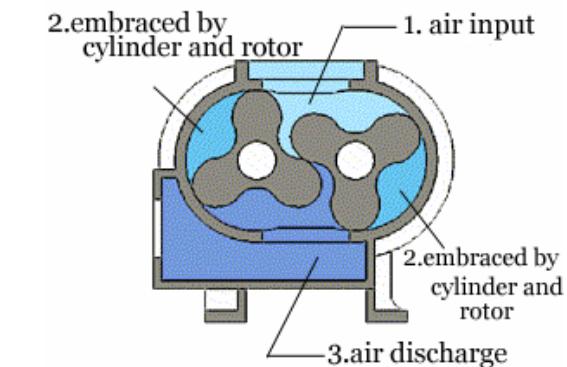
✓ **Lower Energy Consumption**

✓ **Lower Noise Levels**

The three lobe design can efficiently reduce noise by approximately 5dBA.

✓ **Larger Bearing Life**

The bearing life can be extended by approximately 20% as a result of less vibration being transmitted through the lobes

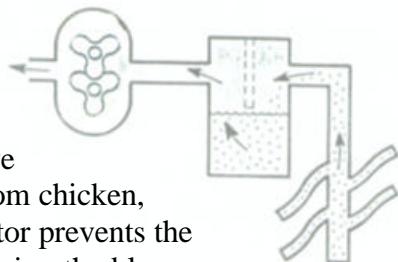


Conventional
Two-Lobe
Blower

POSSIBLE APPLICATIONS

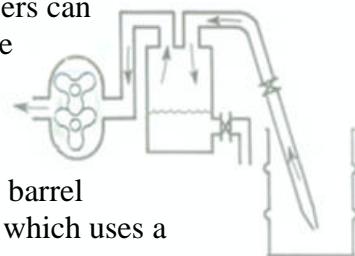
Vacuum System for Food Industry

A roots-type blower can be used in the food industry to remove unedible items from chicken, fish etc. A separator prevents the product from entering the blower.



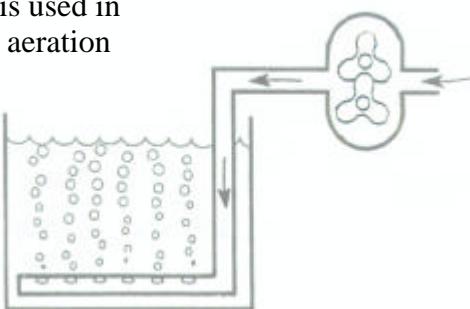
Vacuum Cleaning

Roots-Type blowers can also be used as the vacuum source for in-plant vacuum systems. This one shows a barrel emptying system which uses a liquid separator.



Aeration with Low Pressure Air

Low pressure air is used in sewage treatment aeration tanks. The air is used to support the bacteria, which in turn breakdown the organic matter.



Pressure Conveying

Positive pressure from a blower can be used to convey product – this example uses a rotary valve.

