



Pneumatic Conveying

**Kongskilde conveying systems
for granular materials**

Granulate and Flakes



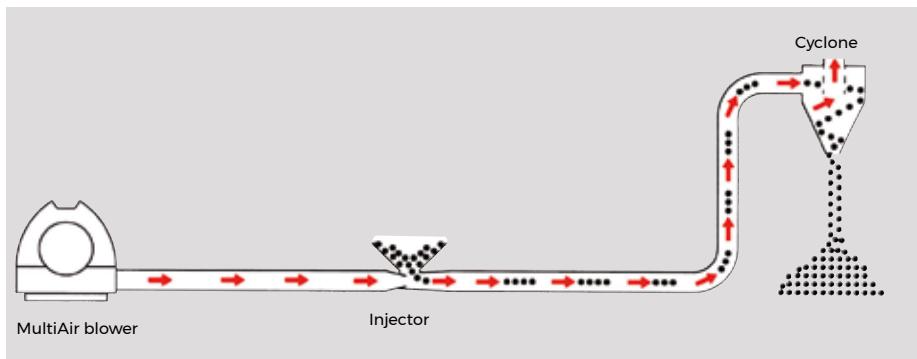
For over 70 years Kongskilde has been at the forefront of material handling using high-pressure blowers. These systems are now common place in many factories around the world to convey granules, pellets, flakes, and other moulded items in an efficient manner.

The conveying of these materials can be done using either positive or negative pressure systems depending on the customers requirements. Using Kongskilde's unique standard modular components, these systems can be built

quickly. They are easily modified when necessary, and the capacity can be increased at a later date by changing a few components making these system an extremely versatile way to convey material.

The Kongskilde MultiAir high-pressure blower is the 'heart' of many of these systems. It produces the air volume and pressure required to convey the material. The MultiAir is able to convey the material over long distances and at high capacity depending on the customers requirements.

Injector System

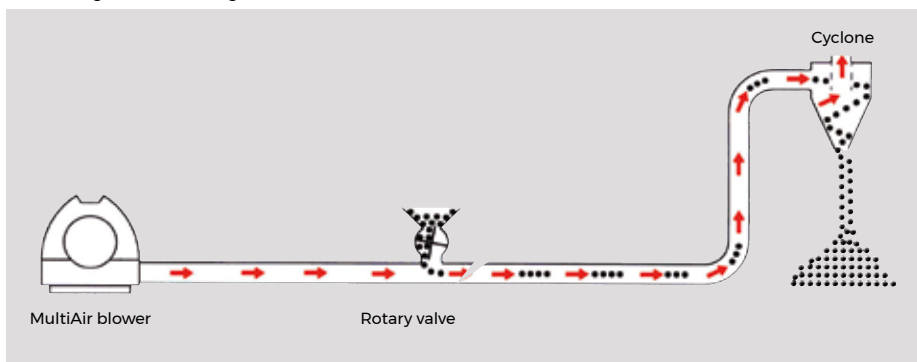


The injector system is ideally suited for low capacity installations. The injector feeds the material into the positive air stream generated by the MultiAir blower. The cyclone separates the material from the air stream at the discharge point.



Injector TF for installations running with low conveying capacity.

Rotary Valve System



The rotary valve system is suited for both high- and low capacity installations. The rotary valve feeds the material into the positive air stream generated by the MultiAir blower. The cyclone separates the material from the air stream at the discharge point.



Rotary valve RF, ideal choice for both systems with high and low capacity.

Versatile Pneumatic Systems

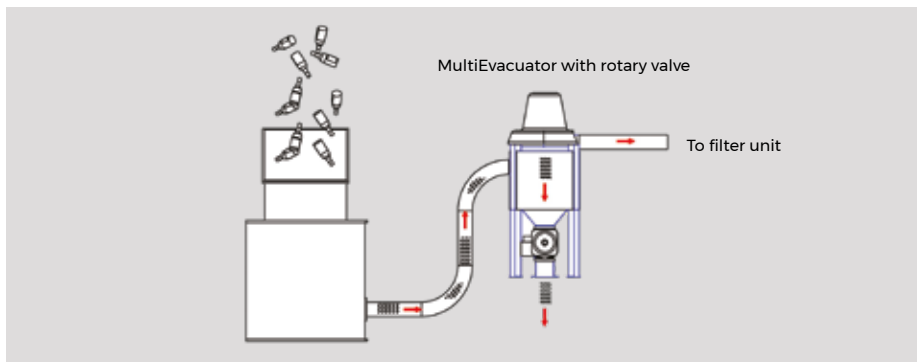


Our systems are low maintenance and can run effortlessly 24/7 ensuring a worry free operation for the customer.

The vacuum pressure system is ideally suited for conveying from various collecting points to different destinations. The material can be moved horizontally and vertically. The high-performance Kongskilde suction blowers, combined with the simple and flexible Kongskilde OK pipe system, will fit in anywhere, irrespective of building facilities.

The Kongskilde MultiEvacuator system is ideally suited for evacuating granulators via vacuum. The MultiEvacuator vacuum system can be tailor-made to meet most conveying demands from process to process or to and from a storage facility.

Suction System

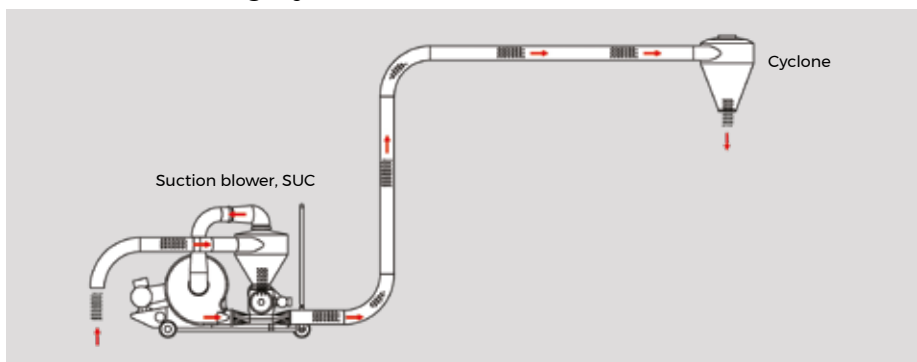


Ideally suited for evacuating Granulators via vacuum and releasing the material by gravity vertically through a rotary valve. The vacuum air is then discharged and can be routed through a dust filtration system to filter the conveying air.



MultiEvacuator with integrated blower and rotary fitted underneath.

Suction Blowing System



This system is ideally suited for applications requiring vacuum from multiple sources and then blowing material to various destinations using a combination of a vacuum and a pressure system. Typical applications for this system are rail car unloading, silos to day bins, etc.



Suction blower used for conveying from and to multiple destinations.

Rejects, EPS, Tissue Paper Off-Cuts, etc.



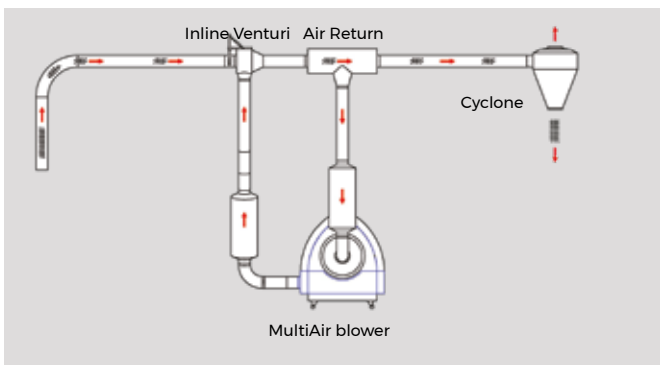
With Kongskilde's versatile modular components, these systems can be used in many different applications such as handling rejects (tops/tails, sprues and flash) in an efficient manner reducing the bottle neck effect commonly caused by process waste. These systems free man power and improve production rates allowing for higher profits.

A Kongskilde conveying system can be linked to size reduction equipment that in turn can be linked to a Kongskilde aspirator allowing for closed loop recycling.

Other material such as EPS, EPP, and tissue paper off-cuts can be conveyed using Kongskilde's main components either in small batches or large volumes in an efficient manner.

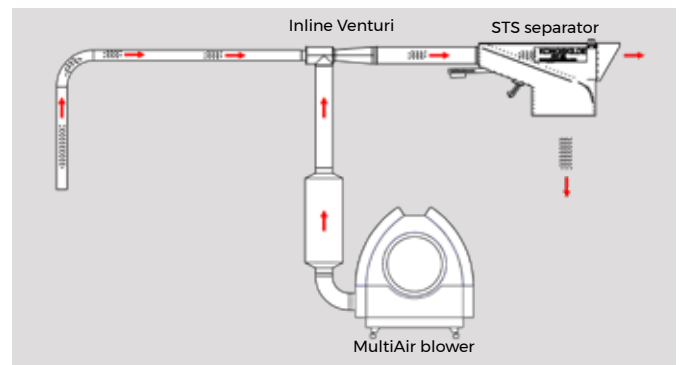
Using Kongskilde's patented FVO Venturi and ITF Venturi, finished items, large items, and odd shaped items such as plastic bottles/containers may be conveyed as either approved items or rejects for recycling. Pipe diameters can range from 80 - 600 mm depending on the product size.

Venturi System with Air Return



The blower develops air pressure and when it passes through the Venturi it creates a vacuum at the source pulling the conveyed material into the system. After the material and air flow have passed through the Venturi, the system turns into a pressure system pushing the material to the discharge. With the air return in the line, the blower pulls back out air flow preventing the pipe system from being upsized to handle the extra air volume generated at the Venturi.

Venturi System



The blower develops air pressure and when it passes through the Venturi it creates a vacuum at the source pulling the trim into the system. After the conveyed material and air flow have passed through the Venturi, the system turns onto a pressure system pushing the trim to the discharge.

Subject to be changed without notice. 1123001463 EXP/CB/Pneumatic Conveying/1019

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