



Pneumatic Vacuum Conveying System

We Are the Best Pneumatic Conveying System Manufacturer Using International Technology

All kinds of manufacturing industries and processes need different kinds of pneumatic conveying systems and we at PNEUCON are proud to have the best and the widest range of these systems. Different kinds of industries need different specifications when it comes to these pneumatic conveyers and we have something to match all requirements. Our conveyor systems are used in industries as varied as pharmaceuticals, chemical industries, and various food industries and even in the packaging industry.

We are proud to be a pneumatic conveying system manufacturer that is also a leading pneumatic conveying system exporter from India. The quality and accuracy of our systems are built on a solid foundation of dedication to client satisfaction and with the latest updated technology. Our team of specialists and engineers are industry experts and can not only design the best pneumatic systems but also ensure that the features suit the individual client as well. This has also ensured our name in the list of respected names for pneumatic conveying system India.



Material Handling Solution



Material Handling Solution

Operation : The materials to be conveyed enter the hopper by gravity or dumped by any means. The material is compacted as it is advanced. Its density is further increased in the space between the terminal flight of the screw and the face of the non-return valve to form a seal against the transport line pressure, thus preventing blowback. The material then enters the discharge body, is fluidized by compressed air, and is conveyed to the final support line.

Technical Specification

MODEL	PSF-I	PSF-II
01	PSF-I	PSF-II
02	Duffel Capacity 12-15 Tm/Hr.	20-25 Ton / Hr.
03	Feed Hopper Capacity 300 Kg.	700 Kg.
04	Screw "Top-Drive"	Toughened
05	Screw Motor 22.5 kW / 30 HP	22.5 kW / 30 HP
06	Turn Lock-Air Blower IP-19	IP-22
07	Lower Motor 30 kW / 40 HP	37.5 kW / 50 HP
08	Structure With Wheel/Airt Vibration Pad	With Wheel/Airt Vibration Pad
09	Power Supply 415 AC ± 10 %, 3 PHASE, 50 HZ ± 5%	



Dense Phase Pneumatic Conveying System

Dense Phase Pressure Conveying Systems are particularly suitable for systems, which convey materials at high capacities over long distances, to multiple destinations. Most systems include several air control valves and the high pressure compressed air supply is able to overcome the pressure drop generated by the most difficult materials, while also providing controlled conveying for friable materials. The lower convey velocities also extend the service life for systems conveying abrasive materials.



Convey Rates :	High Up to 100 tonnes/hr or higher
Convey Velocities :	Low, 1-10m/s
Convey Distances :	High up to 500m / Longer
Air Flower :	Compressor (Screw, rotary, reciprocating)
Operating Pressure :	Up to 8 Bar g
Material / Air Ratios :	High, up to 150 kg/kg

Note: All Values approximate, refer Nu-Can for advice about how to convey your Product.



Bulker Unloading System



- Pneumatic Conveying System for Cement Loading In Silo. In ready mix plant cement is received in bulkers or in bags. We are supplying cement unloading system for bulker into cement silos.
- This system is common system for unloading bulker. Ventilation system is provided on feed hopper.

Material Handling Solution

Jumbo bag unloading system

We take great pride in our commitment to customer satisfaction and ensure that each and every design has the option to be customized where required. Especially for those industries that work with materials that need to be added in an assembly line system, our Jumbo bag loaders are particularly useful. The system of loading and unloading large quantities of material requires engineering skills and each and every design from our range of machines for is tried and tested to eliminate any kind of design flaws. The Jumbo bag unloading system works efficiently even when the material in the bag is not of the free flowing type making it a very well balanced system for production processes. Every design for loading and unloading materials also has suspension loops that are also perfectly counter balanced and this ensures that the material flows from the bottom to the centre of the bag in a smooth manner. This is important especially when the manufacturing process requires a certain amount of mixing. The designs for the Jumbo Bag loaders and the bulk bag unloading systems are all tested and meet the required industry standards for weight balance and quality. At PNEUCON, we have a team of qualified designers and these all share a common goal with the company to ensure the best performance in their products and a consistent standard of results.

Our Workforce is Our Pride

With the backing of the best names in the business, PNEUCON has met every challenge that every new manufacturing requirement has brought and the motto of our company to see every challenge as an opportunity has ensured the right results. With us by your side, you can get the best bulk bag unloading system along with Jumbo bag loaders and each system is backed with a 24/7 support from our technical staff. Talk to our experts for the Jumbo bag unloading system and choose from the design options available or get one customized for your individual space and requirement.



Description : It is the most versatile and speedy method of transferring bulk material from one point to another within a defined area. PNEUCON are engaged in offering wide range of cement feeding system which is used for feeding the cement in construction sites. These Cement feeding systems are manufactured by using supreme grade of raw material and are highly demanded in various production industries.

Applications : The PNEUCON Screw pumps are heavy-duty, screw-type pneumatic pumps. These pump systems are most commonly used to convey dry, free-flowing, pulverized materials from grinding mills, transfer materials from silo to silo, transfer dust from collectors, and load and unload railcars, ships and barges. The materials are conveyed literally anywhere pipeline can be run and to any number of delivery points.

General Specifications : PNEUCON Screw Pumps are constructed of mild and structural steel, and mounted on a base. PS pumps are equipped with pedestal blocks that support a pump screw which helps to provide a smooth, balanced operation. The screw is dynamically balanced and areas of this screw, along with other parts of the pump in direct contact with the material to be conveyed, are made of hardened, wear-resistant material and special hard surfacing where required. The screw is directly coupled to the driving motor but can be v-belt driven. Standard equipment on PS pumps includes a pressurized seal and bearing assembly that extends the service life of the discharge area. Each pump system includes the pump, drive motor and compressed air source.