



## E-DNV-100

PNEUMATIC TRANSPORTER  
(DENSEVEYOR)

INNOVATION



### ■ DEFINITION

E-DNV-100 Pneumatic Transporter is a unit that provides transfer of powder materials from one point to another by air.

E-DNV-100 pneumatic transporter provides transfer of materials between 0.1-5 mm size with a capacity of 5 t/h-50 t/h depending on the material type transferred without line blockage 10 m to 300 m using AUTOMATIC LINE PRESSURE CONTROL SYSTEM in Dense phase.

It is usually used for transferring heat-sensitive, semi-abrasive and/or highly abrasive, adhesive and/or highly fragile materials like Soda ash, Limestone, Sodium Sulphate, Sodium Nitrate, Dolomite, Feldspar, Carbon, Sand, alumina etc.

General transfer speeds are between 0.5 - 20 meters/sec and transfer pressure are between 1-7 bars. Capacity of transporter varies according to type, material and distance.



## ■ DENSE PHASE TRANSFER

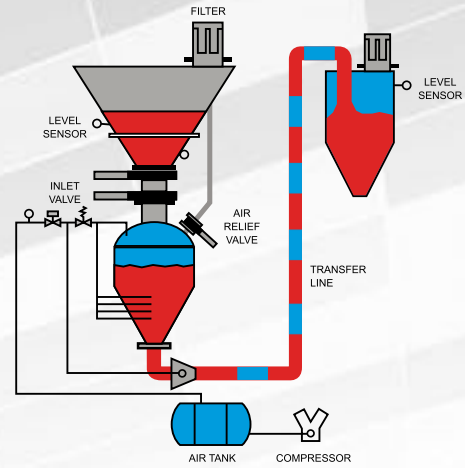
DENSE PHASE is a system in which the product is transferred in the pipe faster and denser than other systems. Used transfer air is more pressurized.

Product density varies according to the product.

Air pressure varies according to product type, density, pipe line pressure loss, required capacity, altitude variables between 1.5-3 bars.

Advantages of dense transfer system:

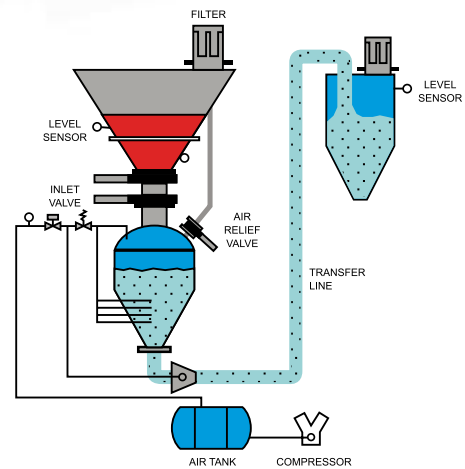
- Low transfer cost
- Low maintenance cost
- Fault proof 7/24 hours operation
- Non damage to product due to low product speed
- No transfer line cleaning



## ■ DILUTE PHASE TRANSFER

The reason for calling this system Dilute phase is, higher amount of air is used and lower product amount is present in pipeline. Usually pressure is low at this application.

Due to higher flow rate, air-product speeds in pipe are higher. Dilute phase transfer is chosen depending on product type and application.

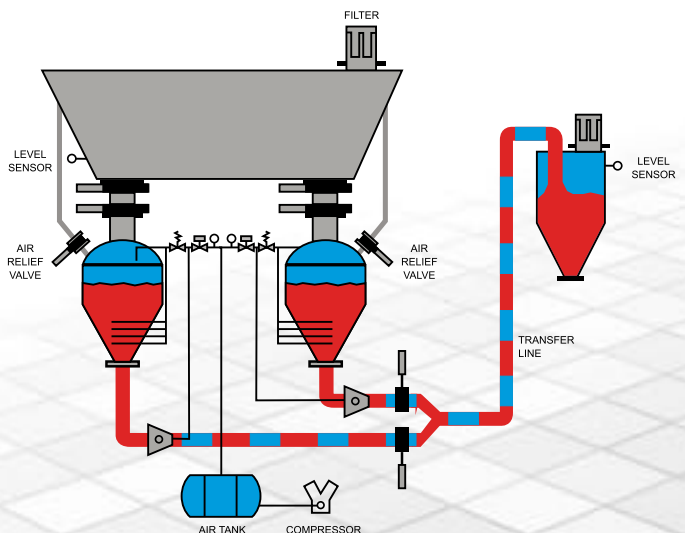


## ■ HIGH CAPACITY FULL LINE TRANSFER

When high capacity pressurized air transfer is required, 2 E-DNV-100 are used instead one.

When one DNV-100 is in charge, other is in transfer. Thus, duration of charging and line cleaning are saved and a 2 times higher capacity is obtained compared to single transfer systems.

Line is always full in this system.



**\* Please contact with Elimko for your special applications.**



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