



Transair: Advanced Air Pipe Systems

For Industrial Vacuum Applications

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

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Why Use a Centralized Vacuum System

A centralized vacuum system is a good alternative to “on machine” vacuum production:

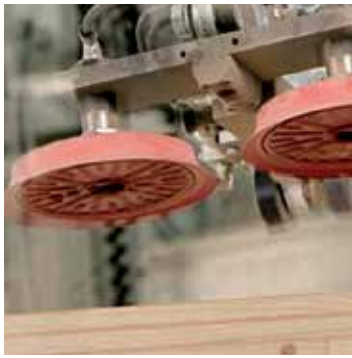
- Taking the vacuum pumps out of the workshop allow better working conditions by removing sources of heat and noise from the plant floor.
- You will increase your plant's productivity by installing a centralized vacuum system. Maintenance on the pump can be done without stopping any machine in the workshop. Having only one point of vacuum production with a trustful system will reduce production downtime.
- Centralized vacuum generation will easily fit your global needs and reduce your energy consumption especially when working with a reduced load.

> Vacuum applications

- Vacuum is the most convenient way to handle and carry heavy, bulky and fragile products in industries like flat glass production, woodworking, automotive, cement, etc.
- The use of vacuum for molding helps to increase productivity and quality of the products in glass container industry, plastic injection, thermoforming, etc.
- Vacuum packaging is recognized to be the safer way to protect perishable goods. It is widely used in the food industry.

> Transair benefits

- **High quality solution:**
Our high quality standards will increase the life expectancy of your equipment and increase the durability of your products.
- **Optimal sealing:**
A leak-free system will reduce the cost of ownership of your system.
- **Modularity and flexibility:**
Installing a system, adding a machine or production reorganization has never been so easy.
- **Reduced maintenance:**
All Transair products are developed to be maintenance free.
- **Easy identification:**
Transair is stocked and available in three different colors, however, it can be produced in any color upon request.
- **Experienced in designing and sizing systems:**
Transair's vacuum calculator helps you to size your system with the most suitable diameter.



Transair: Advanced Pipe Systems



Aluminum range:

Calibrated aluminium pipes

Qualicoat powder coating

Diameters (mm)

16.5 - 25 - 40 - 63 - 76 - 100 - 168

Colors

Available in blue - grey - green
Other colors upon request

Maximum working pressure

232* psi from -4°F to +115°F

*Max. working pressure for 6" is 188 psi

Working temperature

from -4°F to +140°F

Vacuum level

98.7 % (29.6" Hg)

Suitable fluids

Lubricated or oil-free compressed air,
industrial vacuum, and inert gases

Stainless steel range:

Stainless steel pipes

304L

Diameters (in)

1/2 - 3/4 - 1 1/2 - 2 - 3 - 4

Maximum working pressure

1/2 - 3/4": 145 psi from -4°F to +185°F

1 1/2 - 4": 145 psi from -4°F to +140°F

Working temperature

1/2 - 3/4": from -4°F to +185°F

1 1/2 - 4": from -4°F to +140°F

Water hammer

1/2 - 3/4": comply with norm BS.7291 part 1

1 1/2 - 4": comply with norm NF T54-094

Suitable fluids

Cooling water, industrial water with additives,
lubricating oil, compressed air, inert gases

Certifications and Guarantees



Transair: Tools and Services



Transair Vacuum Calculator

sizes your vacuum system with the most suitable diameter and with an estimation of the pressure drop.



Transair Energy Efficiency Calculator

evaluates the energy cost of your system and return on investment of a Transair solution.



Transair Value Calculator

illustrates the typical savings achieved by installing Transair in place of traditional steel or copper pipe system.



CAD Drawings

gives you access to view or download Transair CAD drawings in 2D or 3D.