



## 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:

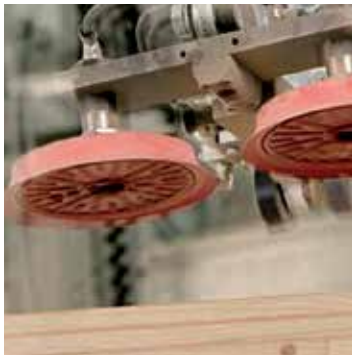
- Taking the vacuum pumps out of the workshop allow better working conditions by removing sources of heat and noise from the plant floor.
- You will increase your plant's productivity by installing a centralized vacuum system. Maintenance on the pump can be done without stopping any machine in the workshop. 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.