

## Transair: Advanced pipe systems

For industrial vacuum applications

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



ENGINEERING YOUR SUCCESS.

# WHY INSTAL A CENTRALISED VACUUM SYSTEM?

**Centralised vacuum systems are an excellent alternative to 'on machine' vacuum production:**

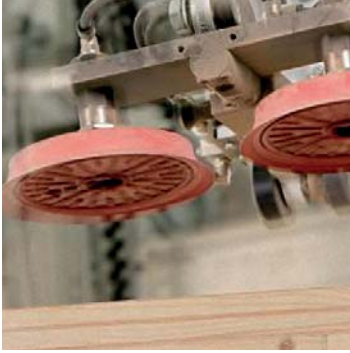
- Locating vacuum pumps away from the shop floor gives **better working conditions** thanks to the removal of heat and noise from work areas.
- **Productivity is increased and pump maintenance can be carried out without affecting production.** Having one central point of vacuum production with a reliable pipe network will significantly reduce the amount of production downtime.
- Coordinated vacuum generation will easily meet your vacuum requirements and will **reduce your energy consumption**, especially when working on reduced load.

## > Vacuum applications with Transair

- Vacuum is the most convenient way to handle and carry heavy, bulky and fragile products in industries such as flat glass manufacture, woodworking, automotive, cement production,...
- The use of vacuum for moulding helps to increase productivity and product quality in the glass container industry, plastic injection, thermoforming...
- Vacuum packaging is recognised as the best way to protect perishable goods. It is thus widely used throughout the food industry.

## > Transair benefits

- **High quality pipe work solution:**  
Our high quality standards increase equipment life expectancy and guarantee durable product quality.
- **Optimal sealing:**  
Leak-free connections reduce system operating costs.
- **Modularity and flexibility:**  
Installing a new network, adding machines or reorganising a production area has never been so easy.
- **Reduced maintenance:**  
Makes network maintenance easier.
- **Easy identification:**  
Transair is available in 3 standard colours and can be shipped in any colour you may need to help differentiate your networks.
- **Experienced in the design and sizing of networks:**  
The Transair Vacuum calculator helps you size your networks with the most suitable diameter for each project.



# TRANSAIR: Advanced pipe systems



## Aluminium range:

### **Calibrated aluminium pipes**

Qualicoat painting

### **Diameters (in mm)**

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

### **Colours**

Available in blue - grey - green  
Other colours upon request

### **Maximum working pressure**

16 bar (from -20°C to +45°C) up to 100mm  
13 bar (from -20°C to +60°C) for all diameters

### **Vacuum level**

98.7% (13 mbar absolute pressure)

### **Working temperature**

-20°C to 60°C

### **NBR seals**

### **Compatibility**

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

## Stainless steel range:

### **Stainless steel pipes**

AISI 304 or 316L

### **Diameters (in mm)**

22 - 28 - 42 - 60 - 76 - 100

### **Maximum working pressure**

10 bar (from -10°C to +60°C) for all diameters  
7 bar (from -10°C to +90°) for all diameters

### **Working temperature**

-10°C to 90°C

### **EPDM or FKM seals**

### **Compatibility**

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

## Certification



# TRANSAIR: Tools and services



## The Transair Flow Calculator

- defines the recommended diameter for your project
- estimates pressure drops
- gives the maximum flow rate by diameter



## The Transair Vacuum Calculator

sizes your vacuum network with the most suitable diameter, with an estimation of any change in vacuum level.



## The Transair Energy Efficiency Calculator

evaluates the energy cost of your network and the return on investment from installing a Transair system.



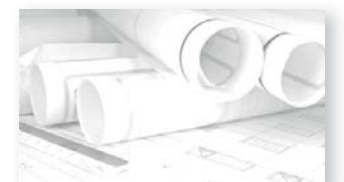
## CAD drawings

you can view or download Transair product images in real time and in 2D or 3D.



## Our Website: [www.parkertransair.com](http://www.parkertransair.com)

gives you access to extensive information about the Transair system, technical data, examples of existing networks and a download centre for catalogues, manuals, software and brochures.



## Our quotation service

[transair.quotation@parker.com](mailto:transair.quotation@parker.com)

gives you a budgeted or detailed quotation for your project and its implementation.

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