



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.

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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
7 bar (from 20°C to +85°C) for all diameters

Vacuum level

98.7% (13 mbar absolute pressure)

Working temperature

-20°C to 85°C

NBR seals

Compatibility

Lubricated or oil-free compressed air,
industrial vacuum, nitrogen (99,99%
purity), 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.