



Transair[®]: Advanced Pipe Systems For Industrial Vacuum Applications

In compliance with PED 2014/68/EU



ENGINEERING YOUR SUCCESS.

Why Install 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

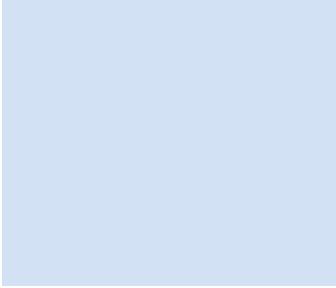
- **High Quality Pipework Solution:**
Our high quality standards increase equipment life expectancy and guarantee durable product quality.
- **Optimal Sealing:**
Leak-free connections reduce system operating costs.
- **Modularity and Flexibility:**
Installing a new network, adding machines or reorganising 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.

Transair® Vacuum Calculator



- **Experienced in the Design and Sizing of Pipeworks:**
With its experience in the field of industrial fluid networks, Transair® has developed an easy and accurate tool to help you size your vacuum network and choose the diameter that best suits your application.

This tool is available on www.parkertransair.com/TVC



Advanced Pipe Systems for Industrial Fluids



ALUMINIUM RANGE

- **Calibrated Aluminium Pipe**
Qualicoat Painting
- **Diameters (in mm)**
16.5 - 25 - 40 - 50 - 63 - 76 - 100 - 168
- **Colours**
Available in blue - grey - green
Other colours upon request
- **Maximum Working Pressure***
 - 16 bar (-20°C to 45°C) up to 100 mm
 - 13 bar (-20°C to 60°C) for all diameters
 - 7 bar (-20°C to 85°C) for all diameters
- **Vacuum Level**
99% (1 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 gas.

*TÜV Certification

STAINLESS STEEL RANGE

- **Stainless Steel Pipe**
AISI 304 or 316L
- **Diameters (in mm)**
22 - 28 - 42 - 60 - 76 - 100
- **Maximum Working Pressure***
 - 10 bar (-20°C to 60°C) for all diameters
 - 7 bar (-20°C to 90°C) for all diameters
- **Vacuum Level**
99% (1 mbar absolute pressure)
- **Working Temperature** -20°C to 90°C
- **EPDM or FKM Seals**
- **Compatibility**
Cooling water, industrial water with additives, lubricating oil, compressed air, vacuum, inert gas.

*TÜV Certification

Certification



Transair® : Tools and Services



Transair® General Catalogue

Combines all information, regarding Transair® aluminium and stainless steel product ranges.

Available for download on www.parkertransair.com



Transair® Available for BIM

BIM - Building Information Modeling - is a collaborative e-platform of a construction project, gathering all the contributors of this project, according to a common language.

All Transair® families are now available, in REVIT format, in **LOD (Level Of Detail) 200 and 400**.



Transair® Flow Calculator

Defines the recommended diameter for your project, estimates your pressure drops and gives the maximum flow rate by diameter.



Transair® Vacuum Calculator

Helps you to size and compare vacuum systems quickly and easily.



Transair® Energy Efficiency Calculator

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



Transair® CAD Drawings

View or download Transair® CAD drawings in real time in 2D or 3D.



Transair® Website: 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.



Transair® Quotation Service: transair.quotation@parker.com

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

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