

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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Transair® Advanced Pipe Systems for Industrial Fluids For Nitrogen Applications

In Compliance with PED 2014/68/EU



ENGINEERING YOUR SUCCESS.

Nitrogen (N2): The First Gas in Industry

- Nitrogen is the most common gas in the atmosphere. It represents almost 78% of the atmospheric air.
- Nitrogen is colourless, tasteless, odourless and inert. It is not flammable and does not support combustion.
- It's properties and the fact that it is easy to generate from atmospheric air makes Nitrogen the most frequently used gas in industry (other than compressed air). Nitrogen has a wide field of applications in many different industries such as: food & beverage, steel making and other metal refining, glass and ceramics.
- Nitrogen is usually delivered in cylinders and sometimes liquid nitrogen is delivered in bulk tanks. N2 can also be generated directly on site from compressed air.
- N2 is often used to replace Oxygen to prevent oxidation and protect food, metal products,...

> Nitrogen Applications with Transair®

Nitrogen for use as a blanketing gas:

- Transair® conveys N2 to prevent fire and explosions. This applies to many different sectors such as construction, data storage warehouses, textiles, printing and paint manufacturing industries.
- Transair® supplies N2 to protect products from degradation by replacing the atmospheric oxygen for industrial applications such as food & beverage, plastic injection, chemicals and healthcare.

Nitrogen for use in process industries:

- To treat molten metal manufacturing.
- To avoid oxidation during the heat treatment of metallic products and during welding and laser cutting.

Nitrogen used for special applications:

- In garages - filling tyres with nitrogen increases the tyres longevity.

> Transair® Benefits

• Gas Consistency:

The Transair® piping system does not "damage" nitrogen properties throughout the pipework (air quality).

• Modularity, flexibility and speed of installation:

Thanks to Transair® it only takes 7 minutes to add a new nitrogen outlet.

• Lacquered Pipes:

Helps you in identifying and differentiating all your networks. It also protects the system for outside installations.

• Longer Lifetime Use:

Transair® products are guaranteed for 10 years.

• Maintenance Free:

All Transair® products are developed to be maintenance free.

• Lightweight:

Transair® can be easily supported and suspended, whatever the application.

• Cost Savings:

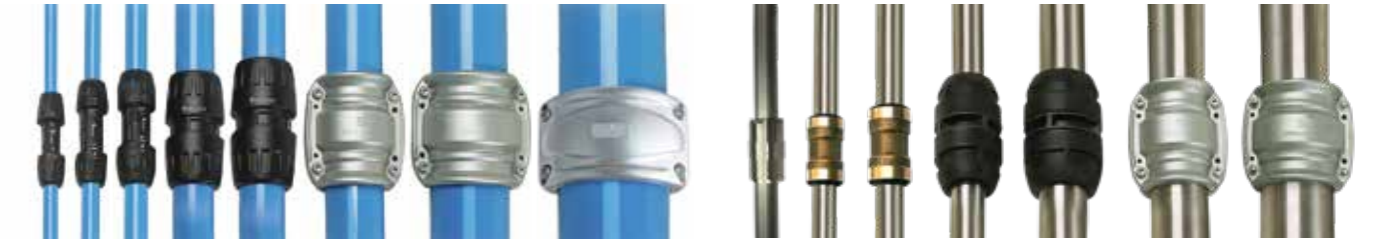
Transair® optimal sealing can reduce N2 loss by eliminating leaks.

• Supply Chain Simplification:

A single source for all inert gas piping requirements with a choice of different colours (no painting required).



Transair®: Advanced Pipe Systems



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**
99,9% (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**
99,9% (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

