



**Transair<sup>®</sup>:**

**Advanced Pipe Systems for Industrial Fluids**

**Shielding Gases for Welding Applications**

In compliance with PED 2014/68/EU



ENGINEERING YOUR SUCCESS.

# Why Use Centralised Distribution for Shielding Gas?

**You can improve the management of your shielding gases supply by installing a Transair® pipe system:**

- Having bottles in the workshop requires particular safety measures for storage and handling. Centralising gas bottles will greatly assist their replacement when empty.
- A centralised distribution system will lower the cost of ownership compared to locating gas bottles at each machine.
- A central storage point for shielding gases will also help you to immediately isolate the network and make savings.

## > Arc Welding Applications > Transair® Benefits

- For all MIG (Metal Inert Gas) or MAG (Metal Active Gas) applications.
  - For TIG (Tungsten Inert Gas) welding.
  - For automated or manual welding.
  - Suitable for all kinds of shielding gas (for a full compatibility list, please contact us).
- **High Quality Solution:**  
Using Transair® will help maintain a clean supply of welding gas; therefore maintaining the quality of your welding process and end product.
  - **Optimal Sealing:**  
A leak free system that will reduce the cost of ownership of your network.
  - **Modularity and Flexibility:**  
Installing a network, adding a machine or the modification of production layouts has never been so easy.
  - **Reduced Maintenance:**  
Makes maintenance operations quicker and easier.
  - **Easy Identification:**  
Transair® is available in 3 different colours from stock and, upon request, can be provided in a wide variety of additional colours to help you differentiate your networks.
  - **Multifluids Solution:**  
Transair® is widely used for several different industrial applications (compressed air, inert gases, industrial vacuum...)





# 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.

\*Certification TÜV

## 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
- **Working Temperature**  
-20°C to 90°C
- **Vacuum Level**  
99,9% (1 mbar absolute pressure)
- **EPDM or FKM Seals**
- **Compatibility**  
Cooling water, industrial water with additives, lubricating oil, compressed air, vacuum, inert gas.

\*Certification TÜV

## Certification





# Transair®: Tools and Services



## Transair® General Catalogue

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

Available for download on [www.parkertransair.com](http://www.parkertransair.com)



## Transair® Available for BIM

BIM - Building Information Modeling - is a collaborative e-platform of a construction project, gathering all the actors 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](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.



## Transair® 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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