



## Transair: Advanced pipe systems for industrial fluids

On machines and industrial equipment

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



ENGINEERING YOUR SUCCESS.

# TRANSAIR ON MACHINES AND EQUIPMENT

To meet demands for high flow rates on machines and industrial equipment, Transair provides a robust piping solution, for immediate commissioning, which is adaptable to all settings on machines and industrial equipment.

## > Applications:

- The Transair solution is ideal for the distribution of water, compressed air, oil (mineral or synthetic), vacuum, nitrogen, welding gases and CO<sub>2</sub>.
- Transair can be used in all industrial sectors: woodworking machines, paper making, printing machinery, welding blocks for automotive, machinery for textiles and nitrogen skids.

## > Service and key products:

- CAD drawings of Transair products are available and can be downloaded at [www.parkertransair.com](http://www.parkertransair.com)
- The Transair range includes products that avoid the use of multiple pipe threads and guarantee a safe, leak free, system: manifolds, threaded adaptors, wall brackets, FRLs...
- A project cell, offering a system design service, helps you make your project a reality: [transair.quotation@parker.com](mailto:transair.quotation@parker.com).
- In addition to the Transair range, Parker Legris ([www.parkerlegris.com](http://www.parkerlegris.com)) offers many solutions for pneumatic connections (diameters smaller than 16.5 mm): fittings, regulators, tubes, hoses, valves...

## > Benefits of Transair:

### • Modular design and flexibility:

The Transair range is the simplest and fastest solution on the market for fluid distribution. The modular design eases the different stages of connection: pre-assembly of the machine for testing, dismantling and final installation on site.

### • Optimized piping:

Lightweight, with a choice of colours to allow different fluids to be easily identified, the type of material and the flexibility of Transair pipes allow them to adapt to all requirements.

### • Aesthetic and clean solution:

All Transair components are corrosion-resistant and reusable. Once the fluid has been filtered upstream, its quality is maintained within the distribution system (in accordance with ISO standard 8573-1, class 1.1.1).

### • Optimal productivity of machines:

Threadless Transair connections with unrestricted interior diameters optimize the flow of the distributed fluids. The Transair solution does not require maintenance and production shutdowns are significantly reduced.





# 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°C) 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.



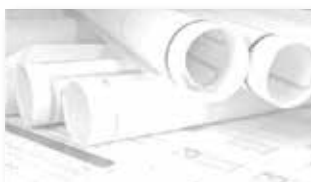
## CAD drawings

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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