



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 CO2.
- 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
- 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.
- In addition to the Transair range, Parker Legris (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.