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climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
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process control  
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## Transair: Advanced Air Pipe Systems

For the Automotive Manufacturing Industry



ENGINEERING YOUR SUCCESS.

Manufacturers Distributor, Inc. | [www.TransairAluminumPipe.com](http://www.TransairAluminumPipe.com) | [Sales@TransairAluminumPipe.com](mailto:Sales@TransairAluminumPipe.com)

Phone: (813) 241 - 4900 | Fax: (813) 571 - 0422

# Innovative Compressed Air Piping Systems

For the automotive manufacturing industry, Parker Hannifin delivers quality compressed air for superior operational capacity.

Transair is a fast, flexible and easy to modify aluminum pipe system for compressed air applications. Quick connections eliminate the need to thread or solder pipe. The lightweight aluminum pipe is easy to handle and safe to work with on elevated platforms. Transair offers significant savings on installation, maintenance and operating costs, making it the most cost effective and efficient pipe system for compressed air.

**Transair systems lead the market in compressed air piping solutions:**

- Energy efficient
- Significantly improves lean production
- Modular in design
- Consistently provides clean dry air
- Easily Integrated into existing systems
- Built to last
- Easy to install



## Significant Energy Savings

Your air piping system can be “green” along with the cars you manufacture.

Compressed air represents one of the largest opportunities for immediate energy savings and plant management is often surprised to hear that compressed air can represent 20 - 50% of a plant’s electric bill. Using a specifically designed and efficient compressed air piping system can reduce your plant’s energy bill by 30 - 60% within 24 months.

Transair is an environmentally sustainable and responsible product, and reduces the carbon footprint by 80% over steel piping installations. The materials used to produce Transair pipe and fittings are 100% recyclable and guaranteed silicone free.

**Transair’s additional benefits include:**

- Quick connection technology
- Removable and reusable
- No corrosion
- Full-bore design
- Lower install costs
- Optimum flow rate
- Leak-free guarantee
- Immediate pressurization
- Expansion/contraction motion allowed
- Lightweight



# Optimal Machine and Tool Efficiency

Transair's smooth calibrated aluminum construction has a low friction coefficient with ideal laminar flow.

The clean air quality and "full bore" design of Transair provides optimal machine and tool efficiency for the automotive manufacturing industry.

Transair's aluminum pipe ensures a total absence of corrosion. The inner pipe surface consistently delivers clean compressed air.

Transair's aluminum pipe ensures higher equipment longevity and avoids frequent filtration media changes due to consistent clean quality air.

## Technical specifications

- Maximum working pressure: 232\* psi from -4°F to +115°F
- Vacuum: 98.7% (29.6" Hg)
- Working temperature: -4°F to +140°F
- Pipe sizes:
  - 16.5 mm (1/2")
  - 25 mm (7/8")
  - 40 mm (1 1/2")
  - 63 mm (2 1/2")
  - 76.2 mm (3")
  - 101.6 mm (4")
  - 168 mm (6")

\*Max. working pressure for 6" is 188 psi



# The Most Versatile Piping System Available

Transair offers a modular compressed air system that offers both lower installation costs and lower long-term operating costs.

Fast to install and easy to modify, Transair is the most versatile compressed air piping system available. Labor accounts for only 20% of the installation cost for Transair as compared to 50 to 80% of installing steel or copper systems.

Transair components are removable, interchangeable and enable for immediate and easy layout modifications.

The modular design and handling ease enables manufacturing plant personnel to implement many layout changes within minutes, not hours. This minimizes downtime and increases plant productivity and efficiency.

## Transair within the automotive sector:

- Powertrain
- Paint and finish
- Assembly
- Trim and interior
- Casting

