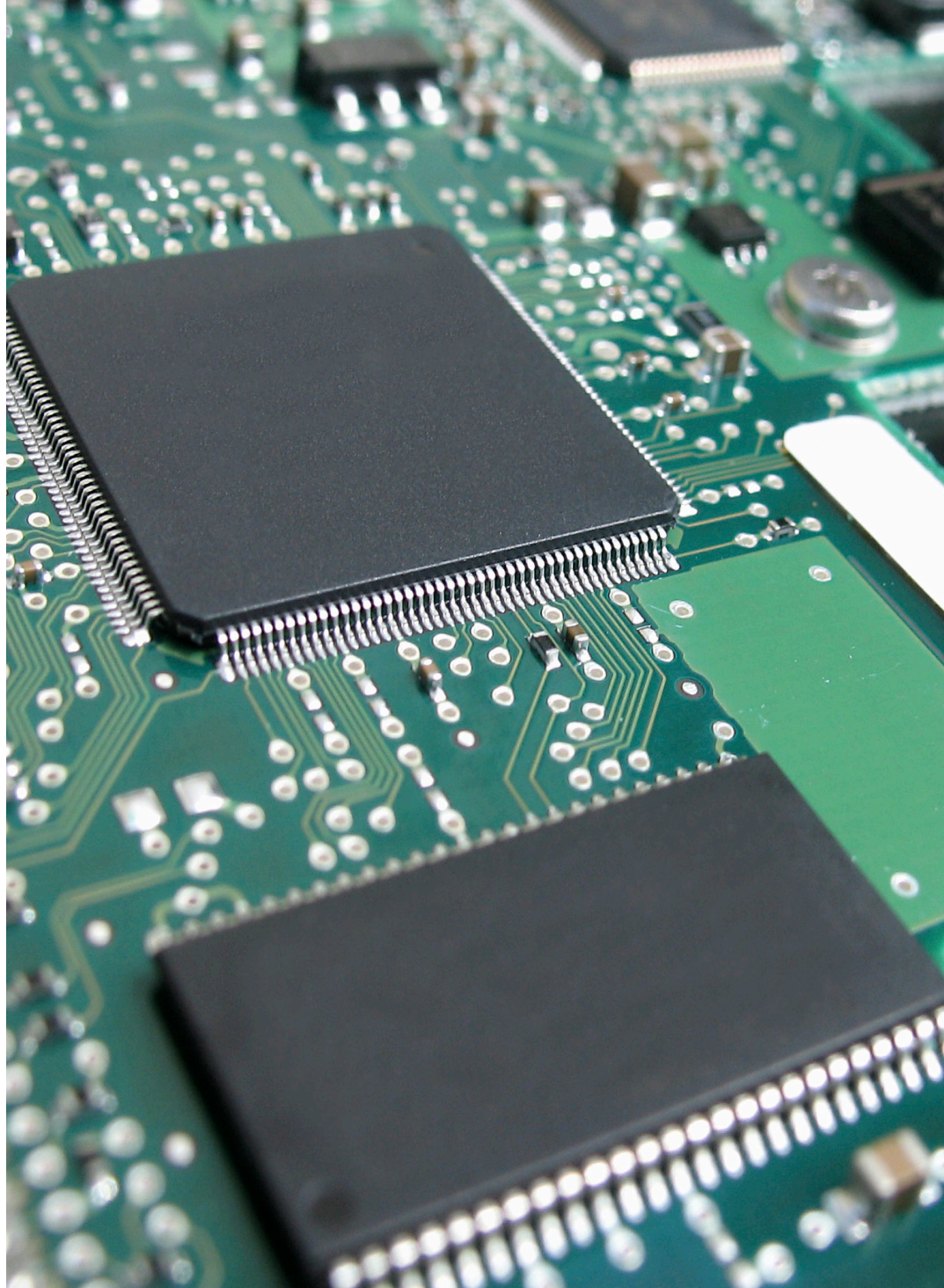


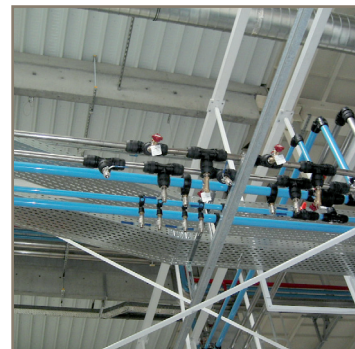


aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



# Advanced Air Pipe System

For the Electronics Manufacturing Industry



ENGINEERING YOUR SUCCESS.

# Innovative Compressed Air Piping Systems

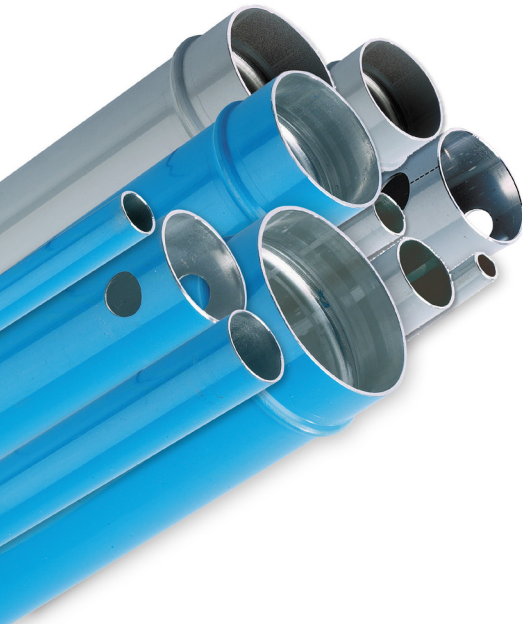
For the electronics industry, Parker Hannifin delivers quality compressed air for superior operational capacity when compared to traditional piping.

In the past, compressed air users have been burdened by the limitations of traditional piping systems. Difficult installation and modification, poor air quality, and high-pressure losses are all common problems. Transair solves these problems with its innovative design making installation fast, simple, and economical.

Constructed of aluminum, Transair is a modular piping system that is ideal for compressed air installations of any size. Transair can also be integrated into existing copper and steel piping without compromising performance, making it perfect for upgrades or expansion projects.

**Thanks to a revolutionary design, Transair provides the following benefits:**

- Quick connection technology
- Removable and reusable
- Energy efficient
- No corrosion
- Full-bore design
- Modular design
- Lower install costs
- Optimum flow rate
- Leak-free guarantee
- Immediate pressurization
- Lightweight
- 10 year warranty



## Clean Air Guaranteed

The low friction coefficient of aluminum pipe ensures clean air quality throughout.

Corrosion in conventional pipes can cause leaks. A 3 mm (1/8") hole in your system requires an additional 4 kW compressor to maintain system pressure. Transair's corrosion-free aluminium pipes and polymer fittings are specifically designed to reduce leakage and energy waste. Loss of pressure can represent over 75% of your piping system's lifetime costs. Transair provides more air flow with less pressure drop thanks to its smooth inner surface, significantly reducing your operating costs. A range of diameters designed to perfectly fit your system is available to carry the required flow and pressure at the lowest possible pressure drop.

### 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 175 psi

Throughout the system Transair is guaranteed to be absent of corrosion and meet all the requirements of ISO 8573 certification. Therefore, Transair's consistent clean quality air from compressor to machines, ensures superior longevity of equipment without frequent changes of filtration elements.



# The Most Versatile Piping System Available

Transair is incredibly flexible and ideal for use in existing compressed air systems or as a completely new installation.

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% for steel or copper systems.

Transair components are removable, interchangeable 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 operational productivity and efficiency.



## Significant Energy Savings

Transair was engineered to integrate seamlessly, ensuring the highest level of reliability and energy efficiency.

Monitoring compressed air usage, identifying compressed air waste and inefficiencies, and making investments in new compressed air equipment are tangible ways that businesses can cut their operating costs and lower their electricity bill.

If the pipe system itself is not designed for compressed air, there is a good chance that much of the costs associated with commissioning the system and producing compressed air are going out the window - quite literally! Improving your compressed air system represents 34% of the potential savings.

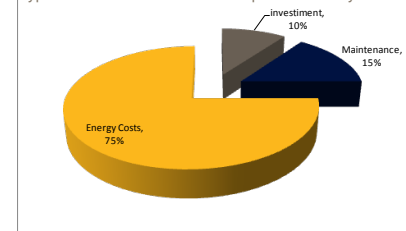
For instance, friction and leaks cause a pressure drop between

the compressor output and the eventual point of use. However, the flow characteristics of Transair's smooth bore aluminum pipe are crucial in helping to reduce the pressure loss through the system. And the sealing characteristics of the fittings guarantee a leak-free system.

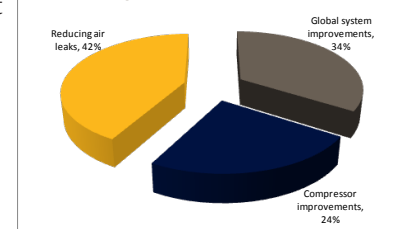
Plant management is truly amazed when they find out using an efficient piping system specifically designed for compressed air, such as Transair, can reduce their energy bill by 30-60%.

Of all utilities, compressed air represents one of the largest opportunities for immediate energy savings on any site.

Typical Cost Breakdown for Compressed Air System



Potential Savings in Terms of Contribution



# Parker Fluid Connectors Group

## North American Divisions & Distribution Service Centers

**Your complete source** for quality tube fittings, hose & hose fittings, brass & composite fittings, quick-disconnect couplings, valves and assembly tools, locally available from a worldwide network of authorized distributors.

### **Fittings:**

Available in inch and metric sizes covering SAE, BSP, DIN, GAZ, JIS and ISO thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

### **Hose, Tubing and Bundles:**

Available in a wide variety of sizes and materials including rubber, wire-reinforced, thermoplastic, hybrid and custom compounds.

### **Worldwide Availability:**

Parker operates Fluid Connectors manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

**For information,** call toll free...

**1-800-C-PARKER  
(1-800-272-7537)**

## **North American Divisions**

### **Energy Products Division**

Stafford, TX  
phone 281 566 4500  
fax 281 530 5353

### **Fluid System Connectors Division**

Otsego, MI  
phone 269 694 9411  
fax 269 694 4614

### **Hose Products Division**

Wickliffe, OH  
phone 440 943 5700  
fax 440 943 3129

### **Industrial Hose Division**

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### **Tube Fittings Division**

Columbus, OH  
phone 614 279 7070  
fax 614 279 7685

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fax 714 994 1183

### **Conyers, GA**

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fax 770 929 0230

### **Louisville, KY**

phone 502 937 1322  
fax 502 937 4180

### **Portland, OR**

phone 503 283 1020  
fax 503 283 2201

### **Toledo, OH**

phone 419 878 7000  
fax 419 878 7001  
fax 419 878 7420  
(FCG Kit Operations)

### **Canada**

#### **Grimsby, ONT**

phone 905 945 2274  
fax 905 945 3945  
(Contact Grimsby for other Service Center locations.)