



aerospace  
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# Advanced Air Pipe System

For the Inert Gas Industry



ENGINEERING YOUR SUCCESS.

# Innovative Inert Gas Piping Systems

For the inert gas industry, Parker Hannifin delivers a quality piping system for superior operational capacity.

Transair is a fast, flexible and easy to modify aluminum pipe system for compressed air and inert gas applications. Quick connections eliminates the need to thread or solder pipe. The lightweight aluminum pipe makes it easy to handle within any facility. Transair piping solutions significantly reduces labor time and cost, making it the most cost effective and efficient pipe system for inert gas.

## Suitable Gases:

- Argon
- Nitrogen
- Argon/CO<sub>2</sub> mixtures
- CO<sub>2</sub>
- Helium

And many mixed specialty gases.



## A High Quality and Safe Piping System

Rigid aluminum pipe and quality quick connect fittings make Transair ideal for any inert gas installation.

Transair is certified ISO 9001 version 2000 and operates a Quality Management System in order to ensure the level of quality and service that is expected by its customers. In addition to the ISO certification, Transair has Qualicoat certification that is a guarantee of the quality of the lacquer finish applied to Transair aluminum pipe, which enhances mechanical, physical and chemical properties.

Regarding the safety aspect of Transair, the polyamide with fiberglass and treated-brass constructed connectors are non-flammable with no propagation of flame. Transair's innovative technology also takes into account the specific requirements of each diameter and provides the user with an optimum safety coefficient and easy connection. Transair can also be integrated into existing copper and steel piping systems safely without compromising performance, making it perfect for upgrades or expansion projects.

## Transair's 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
- Non-flammable components
- 10 year warranty



# The Most Versatile Piping System Available

Transair offers a modular insert gas system that offers increased convenience, flexibility and cost effectiveness.

Fast to install and easy to modify, Transair is the most versatile compressed air and inert gas 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.

## Transair within the welding gas industry:

- Microbulk gas delivery systems
- Plasma cutting applications
- Robotic installations
- Manual and automated welding operations



## Immediate and Long-Term Cost Savings

Transair improves operational efficiency by delivering argon, nitrogen and its mixtures to the point-of-use while reducing installation and optimal flow.

The quality and “full bore” design of Transair provides optimal machine and tool efficiency for the inert gas applications.

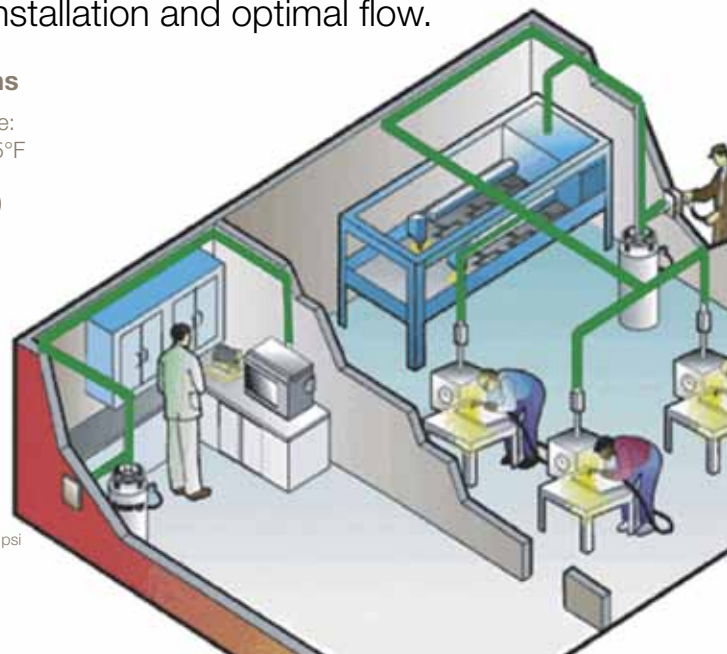
Transair’s aluminum pipe ensures a total absence of corrosion. The inner pipe surface consistently delivers clean compressed air and inert gases. Furthermore, Transair is guaranteed to be leak free.

Transair provides a constant and well regulated gas network for all inert gas applications.

### 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



# 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  
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### **Industrial Hose Division**

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### **Parflex Division**

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### **Tube Fittings Division**

Columbus, OH  
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### **Louisville, KY**

phone 502 937 1322  
fax 502 937 4180

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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.)