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Transair: Advanced Air Pipe Systems

For the Inert Gas Industry



ENGINEERING YOUR SUCCESS.

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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/CO₂ mixtures
- CO₂
- 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 188 psi

