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Transair: Advanced Air Pipe Systems For Compressor Rooms



ENGINEERING YOUR SUCCESS.



Innovative Compressed Air Piping Systems

For the compressor room and beyond, Parker Hannifin delivers a quality piping system for superior operational capacity.

Transair is Parker's modular air piping system. Transair is made from robust, lightweight, powder-coated aluminum pipe, and designed for quick, low-cost installation with a large selection of engineered polymer fittings. Transair also offers excellent resistance to corrosion, reduced air friction, and a full bore design. All of this translates into significant savings on installation, maintenance and operating costs for the life of the system.

Transair's benefits include:

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



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

Complete Product Offering

Transair offers the ideal connections for receivers or multiple high output compressors due to the extensive product offering.

Careful review of piping size from the compressor connection point is essential. Length of pipe, size of pipe, number and type of fittings and valves must be considered for optimum efficiency of your compressor. In regards to the fittings, it is recommended that the air from each compressor not enter the header at 90 degrees to the header axis, but at a 45 degree angle in the direction of flow and always using wide radius elbows.

For that reason, Transair includes a 45 degree elbow as part of its extensive product offering. Transair's overall product offering includes pipe, fittings and accessories for 1/2" (16.5mm) to 6" (168mm). Transair meets the requirements of numerous industrial, aerospace, electronic, pharmaceutical, medical, plastic, extrusion, manufacturing, power generation, automotive and garage workshop installations. Transair is designed for both primary and secondary systems, from the smallest workshop to the largest industrial facility.



A Versatile Piping System

Transair offers a modular compressed air system that is quick and easy to install.

Fast to install and simple 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.

The innovative technology of Transair enables rapid and easy assembly. This technology takes into account the specific requirements of each diameter and provides the user with an optimum safety coefficient and airtight connection.

Transair's components are removable, interchangeable and enable manufacturing plant

personnel to implement many layout changes within minutes, not hours. This minimizes downtime and increases plant productivity and efficiency.

Installation comparison:

- Galvanized pipe: 6 feet per hour
- Copper pipe: 8 feet per hour
- Transair pipe: 45 feet per hour

Example of the installation time for a Transair drop:

- Lateral dismantling of pipe:
1 minute 30 seconds
- Drilling of pipe:
2 minutes 30 seconds
- Mounting Brackets:
45 seconds
- Remounting of pipe to the system:
1 minute 30 seconds

Significant Energy Savings

Transair provides airtight fittings with full bore flow creating a more energy efficient system.

Compressed air systems are safe, reliable and versatile, but they are usually taken for granted with little regard to costs and energy consumption.

A properly designed and maintained compressed air system that is energy efficient will save the user thousands of dollars each year. It will also minimize the risk of lost production by increasing the reliability of supply and improve the safety aspect of operating a pressurized system.

Transair's aluminum pipe ensures longevity of equipment and avoids frequent changes of filtration elements. The "full bore" design

of Transair's components, the low friction coefficient of aluminum, and the sealing characteristics of the fittings ensure improved flow and reduced pressure drop.

Transair can be integrated into existing copper and steel piping without compromising performance, making it perfect for upgrades or expansion projects.

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%.



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.

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