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Transair: Advanced Air Pipe Systems

For the Alternative Energy Industry



ENGINEERING YOUR SUCCESS.

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Innovative Compressed Air Piping Systems

For the alternative energy 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. Transair consists of high quality elements that distinguishes itself through flexibility and ease of installation, meeting the design and production requirements of the alternative energy industry. Quick connections eliminate the need to thread or solder pipe. Thanks to its wide product offering, Transair is a complete solution from source to production for your compressed air application.

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

Building Green with Transair

Incorporating Transair adds a recyclable component to your compressed air piping solution.

Recent trends reveal that the interest in and demand for green building designs, materials, and products has greatly increased - and will only continue to do so - in the coming years.

Parker understands this growing focus on sustainable buildings, and as a result the material used to manufacture Transair pipe and fittings are 100% recyclable and meet the requirements set by the U.S. Green Building Council for Leadership in Energy and Environmental Design (LEED) certification credits.

Furthermore, Transair has been specifically designed to ensure a lower impact on the environment with a low carbon footprint when compared to traditional piping systems.



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.

Successful plant operations need to be able to take advantage of new equipment options and automation techniques without incurring lengthy downtime and expense. Consequently, the ability to reconfigure production layouts or implement process changes quickly is critical. Transair makes reconfiguration practical and efficient compared to traditional copper and steel piping solutions.

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'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.

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

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



Clean Air with Significant Energy Savings

Transair's airtight fittings with full bore flow provides superior flow throughout.

Plant management is truly amazed when they find out installing Transair can reduce their energy bill by 30-60% due to the corrosion and leak-free guarantee.

The absence of corrosion caused by moisture gives long-term protection against pressure drop and leaks. Due to the consistent clean quality air from compressor outlets to machines, Transair 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 system ensures improved flow and reduced pressure drop.

Furthermore, energy and carbon emission savings can be achieved with little investment.

Transair delivers quality air exactly where you need it, at the right pressure and at the lowest possible cost.

Examples of Transair installations for the alternative energy sector:

- First Solar
- Vestas Blades
- Solar One
- Rio Glass
- Siemen Energy