



Transair: Advanced Air Pipe Systems

1/2" to 6" for Compressed Air, Vacuum, Inert Gas

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



ENGINEERING YOUR SUCCESS.

Parker Hannifin manufactures a robust piping system with superior operational efficiency perfectly suited for all industrial applications.

Transair is a fast, flexible and easy to modify aluminum pipe system for compressed air, vacuum and inert gas applications. Transair components are reusable and interchangeable, which enables immediate and easy layout modifications. Unlike the performance of steel or copper, which degrades over time due to corrosion, Transair provides clean air quality with optimum flow rate performance.

Transair also offers significant savings on installation, maintenance and operating costs when compared to traditional pipe. The quick connections eliminate the need to thread, solder or glue pipe. With Transair, labor accounts for only 20 percent of installation costs, but with steel or copper, labor accounts for 50 - 80 percent of the installation cost. Transair's aluminum pipe system also significantly reduces plant energy costs by increasing efficiency, reducing pressure drops, and eliminating leaks.

	Transair	Threaded Carbon Steel	Copper
Pipe Schedule	Painted Alum	Sch 40	Type L
Material			
Pipe	\$ 2,073.75	\$ 1,935.60	\$ 2,880.00
Fittings	\$ 1,207.15	\$ 113.38	\$ 250.30
Material Total	\$ 3,280.90	\$ 2,048.98	\$ 3,130.30
Labor Hours	22.35	82.21	60.42
Labor Cost at \$65/man hour	1,459.90	5,343.65	3,927.30
Total Cost	\$ 4,740.80	\$ 7,392.63	\$ 7,057.60
Transair Savings			
Manhours Savings		73%	63%
Total Installed Cost Savings		36%	33%

MATERIAL LIST: 500 feet of pipe, 16 elbows, 7 tees, and 10 couplings (unions). Comparison is Transair 40mm versus 2" pipe. Labor rates from MCAA manual are factored by 0.70, which is typical for estimating field jobs.

Transair benefits

- Quick connection technology
- Energy Efficient
- Modular and reusable
- No corrosion
- Full-bore design
- Lower installation costs
- Optimum flow rate
- Leak-free guarantee
- Immediate pressurization
- Lightweight

Suitable fluids

- Compressed air (dry, wet, lubricated)
 - Vacuum
 - Inert gases
- (Please consult us for other fluids)

Maximum working pressure

188 psi from -4°F to +140°F
 232 psi from -4°F to +115°F
 (*Max. working pressure for 6" is 188 psi)
 Vacuum level: 8.7 % (29.6" Hg)

Temperature range

Working: -4°F to +140°F
 Storage: -40°F to +176°F

Increase your plant's productivity by renovating your steel system with Transair.

Transair's aluminum pipe ensures a total absence of corrosion. The inner pipe surface consistently delivers clean compressed air. Transair prevents the problems caused by rust, which affects galvanized steel systems. Due to consistent clean quality air, from compressor outlets to machines, Transair's aluminum pipe ensures higher longevity of equipment and avoids frequent changes of filtration elements. The "full bore" design of Transair's components, the low friction coefficient of aluminum pipe, and the sealing characteristics of the system ensure optimal and constant flow throughout. Transair can be integrated into existing copper and steel piping systems without compromising performance, making it perfect for upgrades or expansion projects.



Parker Hannifin Corporation
Fluid System Connectors Division
 7205 E. Hampton Ave.
 Mesa, AZ 85209
 phone 480 830 7764
 fax 480 325 3571
 www.parkertransair.com

