



## SimplAir Compressed Air Piping

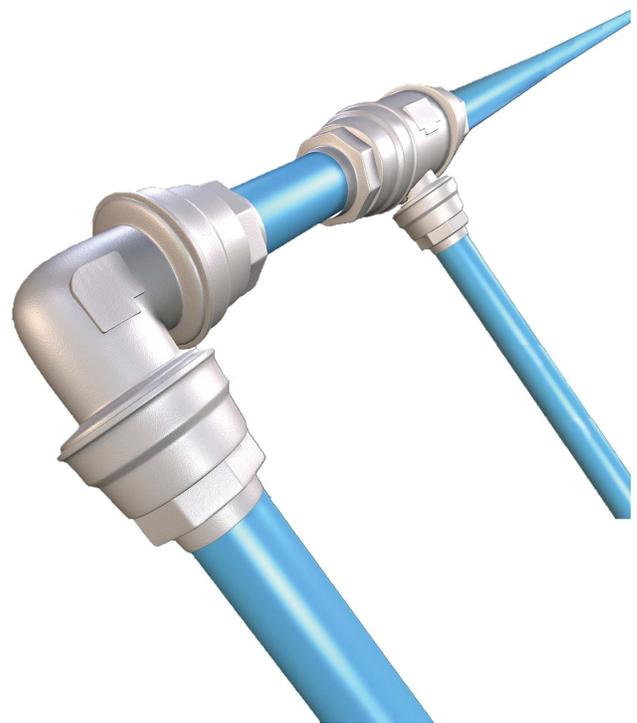
The new SimplAir piping system from Ingersoll Rand uses marine-grade aluminum pipes to efficiently distribute leak-free supplies of high-flow compressed air and other inert gasses and support vacuum systems as well. For lower cost, higher performance, easier installation, and less maintenance than systems made of competing materials, the Simplair piping system is the best choice.

### Features

- All-metal system Safer and more reliable than plastic
- High pipe-to-fitting engagement Increases structural integrity
- Corrosion-resistant Minimizes turbulence and pressure loss
- Recyclable piping material Aluminum piping material can be recycled
- Lightweight and easy to handle Up to 90% lighter than comparable steel piping
- Easy to install/modify For faster, simpler setups and changes

### LOWERS COST OF OWNERSHIP

The Simplair® piping systems high-quality, marine-grade aluminum construction delivers cost savings at all stages of ownership. Significantly lighter weight than competing steel systems, Simplair® is the more economical choice at the time of purchase. Quick-connect fittings combine with lightweight piping without the need for expensive tools or trained installers, so assembly is faster and costs less. The Simplair® systems pipes are stronger than plastic and more corrosion resistant than steel and its leak-free fittings reduce the need for routine maintenance and lower the likelihood of



---

unexpected repairs. These features combine to create a superior piping design that maximizes system efficiency for the lowest total cost of ownership.

### **MINIMIZES CONTAMINATION AND TURBULENCE**

A piping system with cleaner interior surfaces helps promote the smooth, laminar flow of the fluid it transports, reducing turbulence and associated pressure losses. The Simplair® systems marine-grade aluminum construction provides superior corrosion resistance to keep pipe interior surfaces free of the oxidation-based contamination that can occur with steel systems. Contamination that can not only cause turbulence and pressure loss, but also cause problems if corrosion-related debris enters sensitive equipment.

### **PROVIDES SOLUTIONS FOR VIRTUALLY ANY NEED**

Simplair® piping is available in a wide range of outer diameter sizes from 3/4" to 8" (20 mm to 220 mm) to serve nearly any application. High-quality, all-metal, easy-to-install fittings make it easy for users to design and construct their own systems without the need for professional installers.

# Model Specifications

Simplair	3/4" 2-1/2" Pipe(20 mm 63 mm)	2-3/4" 8" Pipe(70 mm 220 mm)
Max Working Pressure	220 PSI (15 BAR)	220 PSI (15 BAR)
Max Working Temperature	-4°F 176°F (100% Duty)	-4°F 176°F (100% Duty)
Tubing Material	Aluminum, 6063-T5 (Marine Grade)	Aluminum, 6063-T5 (Marine Grade)
Tubing Weight	3/4" 20 mm (0.159 lb/ft)1", 25 mm (0.202 lb/ft)1-1/4", 32 mm (0.262 lb/ft)1-1/2", 40 mm (0.331 lb/ft)2", 50 mm (0.592 lb/ft)2-1/2", 63mm (0.623 lb/ft)	2-3/4", 70 mm (0.86 lb/ft)3-1/2", 90 mm (1.04 lb/ft)4-1/2", 115 mm (1.15 lb/ft)6, 168 mm (3.12 lb/ft)8", 220 mm (4.95 lb/ft)
Standard Seals	(-4°F 176°F) Nitrile Rubber	(-4°F 176°F) Nitrile Rubber
High Temperature Seals	NA	(-4°F 300°F) Fluoroelastomer
Fittings	Nickel-Plated Brass	Aluminum, B-26, 356-T6
Clamping Washer	Inox AISI 304	NA
Couplings	NA	Ductile Iron, Galvanized, grade 65-45-12
Standards & Approvals	ASME B31.3 Process Piping Registered for CRN in all provinces/territories	ASME B31.1 Power Piping Registered for CRN in all provinces/territories



Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$14 billion global business committed to a world of sustainable progress and enduring results. For more information, visit [www.ingersollrand.com](http://www.ingersollrand.com).