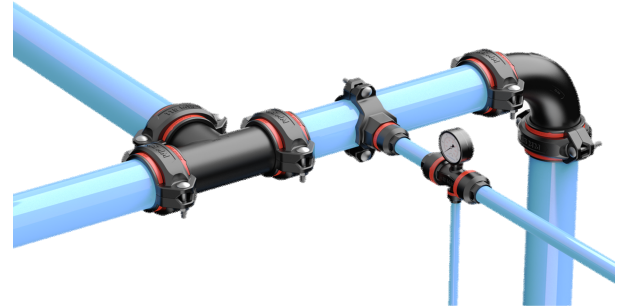


## SimplAir Fusion

### Aluminum Piping System

*Compressed Air, Nitrogen, Vacuum*

SimplAir Fusion is a groundbreaking aluminum piping system designed for Compressed Air, Nitrogen, Vacuum, and Inert Gas Systems. Weighing 55% less than conventional alternatives, its aluminum fittings are engineered for optimal performance at pressures up to 230 psi and temperatures of 300 Fahrenheit, ensuring reliability in challenging conditions. With outstanding corrosion resistance, easy installation, and modification capabilities, this piping system redefines convenience and reliability. Enjoy peace of mind with a lifetime warranty, affirming the quality and longevity of this innovative product.



**Advanced Lightweight Construction:** An all-metal system that is safer and easier to install compared to other materials and weighs 55% less than alternative solutions.

**Superior Corrosion Resistance:** The piping system features pristine interior surfaces, ensuring a smooth, laminar flow that minimizes turbulence and reduces pressure losses. This corrosion-resistant design prevents contamination, safeguarding downstream equipment and products at the point of use.

**Effortless Installation:** Designed for easy installation and modification to adapt to evolving business needs, with no special tools required. The 20mm-40mm range ships pre-torqued for hassle-free push-lock installation. 50mm-60mm fittings require 60% less torque, allowing installation by hand.

**Unmatched Reliability:** Fittings feature a robust rating of up to 230 PSI and 300F, coupled with pipe that is structurally as strong as carbon steel. This combination ensures superior reliability in demanding operational conditions.

**Lifetime Assurance:** Enjoy the confidence of a lifetime warranty,



COMPONENT PARTS & MATERIALS			
1	<b>BODY</b> A380 Aluminum, Powder Coated	4	<b>SAFETY RING:</b> Polymer
2	<b>NUT:</b> A380 Aluminum, Powder Coated	5	<b>Clamping Washer</b> AISI 304 Stainless Steel
3	<b>PLUG</b> AISI 304 Stainless Steel (Optional, Ported, Straight Union Connector)	6	<b>Double O-ring Seals</b> HBNR (Hydrogenated Buna Nitrile) Viton (Available Upon Request)

#### PUSH LOCK

MARINE GRADE ALUMINUM



#### GROOVED COUPLED

MARINE GRADE ALUMINUM



#### COMPONENT PARTS & MATERIALS

1	<b>BODY:</b> A380 Aluminum, Powder Coated
2	<b>SEAL:</b> Buna N, Viton (Available Upon Request)
3	<b>BOLTS:</b> Carriage / Grade 5 / Zinc Plated

#### COMPONENT TECHNICAL DATA

Temperature	Minimum: -4°F [-20°C] Maximum: Viton 300°F [149°C] Maximum: Nitrile 176°F [80°C]
Pressure	Minimum: -29.6Hg [-0.99 bar] Maximum: 230psi [15.8 bar]
Fire Resistance	System does not stoke or propagate fires
Compatibility	Compressed Air, Vacuum, Inert Gases
Male Threads	National pipe thread ISO 228
Female Threads	National pipe thread ISO 228