



Submittal Data

January 2020

UnipipeAIR is a modular aluminum piping system manufactured with 100% aluminum pipe and fittings. The system requires no special tools for assembly and is usable for compressed air applications in a wide variety of extreme conditions, both indoors and outdoors.

The UnipipeAIR design produces a fitting with exceptionally secure joints. The engineered design with quality material selection produces a system in which the actual pipes will burst before the fitting fails in a destructive test.

SPECIFICATIONS UnipipeAIR

- UnipipeAIR system components meet the ASME B31.3 and ASME B31.9 requirements
- UnipipeAIR is CRN approved for all Canadian Provinces
- Max Working Pressure: 232 PSI (16 BAR)
- Plant Testing Pressure: 1 hour at 20°C 348 PSI (24 BAR)
- Quality Testing Pressure: 1 hour at 20°C 928 PSI (64 BAR)
- Continuous Working Temperature: From -4°F to 212°F (-20°C up to 100°C)
- Max Working Temperature: From -22°F Up to 266°F (-30°C Up to 130°C)
- Thread Standard: NPT National Pipe Thread complying to ANSI B1.20.1
- Aluminum Pipe Mechanical Resistance: According to EN-755-2/2008 standards
- Pipe Material: Aluminum Alloy EN AW 6060 - T5
- Aluminum Fittings: Material Aluminum Alloy EN Aw 6061 T6 (no plastic)
- O-Ring & Lip Gasket: Material HNBR 65°/75° Shore A
- Clamp Ring Material: AISI 304 Stainless Steel
- Warranty: 20 Years against Leaks and Manufacturing Defects

- UnipipeAIR is available in the following sizes:
 - 20mm, 25mm, 32mm, 40mm, 50mm, 63mm, 75mm, 90mm, 110mm, 140mm, 160mm, 200mm, 250mm

- Surface Treatments:
 - The Nuts are anodized with a minimum thickness surface of 13 µm
 - The Bodies have a cathodolysis surface treatment with a minimum thickness surface of 10 µm
 - The pipes are heat painted externally using polyester powders of not less than 60 µm thickness with "Qualicoat" certificate (lic. 472). The internal surface is phosphatized.



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