



## Submittal Data UnipipeOIL

January 2023

UnipipeOIL 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 applications in a wide variety of extreme conditions, both indoors and outdoors.

The UnipipeOIL 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 UnipipeOIL

- Unipipe Oil system components meet the ASME B31.3 and ASME B31.9 requirements
- Unipipe Oil is CRN approved for all Canadian Provinces
- Max Working Pressure: 1,015 PSI (70 BAR)
- Plant Testing Pressure: 1 hour at 70°F 1,522 PSI (105 BAR)
- Quality Testing Pressure: 1 hour at 70°F 4,467 PSI (308 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
- Pipe thickness greater than 2.0 mm
- Warranty: 20 Years against Leaks and Manufacturing Defects

UnipipeOIL is available in the following sizes:

20mm, 25mm

Surface Treatments:

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



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