



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Smiths Tubular Systems dba Titeflex Aerospace

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TESTING

Valid to: **December 11, 2019**

Certificate Number: **AT-1185**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Electrical Conductivity	SAE AS2078 Customer Equivalents	Hose Assemblies	Biddle Voltage supply
Stress Degradation	SAE AS2078, SAE AS1946 MIL-H-27267, Customer Equivalents	Hose Assemblies	Pressure Transducer, Temperature Indicator, Timer
Pneumatic Effusion	SAE AS2078, MIL-H-27267 MIL-H-25579 Customer Equivalents	Hose Assemblies	Pressure Transducer, Burette, Timer
Elongation and Contraction	SAE AS2078 Customer Equivalents	Hose Assemblies	Pressure Transducer, Vernier Caliper, Timer
Volumetric Expansion	SAE AS2078 Customer Equivalents	Hose Assemblies	Pressure Transducer, Burette, Timer
Leakage Test	SAE AS2078 Customer Equivalents	Hose Assemblies	Pressure Transducer, Timer
Proof Pressure Test	SAE AS2078, SAE AS620, SAE AS1424 Customer Equivalents	Hose Assemblies	Pressure Transducer, Timer
Room Temperature Burst Pressure Test	SAE AS2078, SAE AS1424 Customer Equivalents	Hose Assemblies	Pressure Transducer, Timer

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
High Temperature Burst Pressure Test	SAE AS2078, SAE AS51424 Customer Equivalents	Hose Assemblies	Pressure Transducer, Timer, Temperature Indicator
Impulse Test	SAE AS2078, SAE AS603B SAE AS1975, SAE AS5951 Customer Equivalents	Hose Assemblies	Temperature Indicator, Pressure Transducer, Oscilloscope, Timer
Flexibility Test	SAE AS2078, SAE AS1227 Customer Equivalents	Hose Assemblies	Temperature Indicator, Pressure Transducer, Oscilloscope, Timer, Vernier Caliper
Fuel Resistance Test	SAE AS2078, SAE AS620 Customer Equivalents	Hose Assemblies	Temperature Indicator, Pressure Transducer, Timer
Low Temperature Flexibility Test	SAE AS2078, SAE AS620 SAE AS1227 Customer Equivalents	Hose Assemblies	Temperature Indicator, Timer
Pneumatic Leakage Test	SAE AS2078 Customer Equivalents	Hose Assemblies	Pressure Transducer, Timer
Vacuum Test	SAE AS2078, SAE AS620 SAE AS1227 Customer Equivalents	Hose Assemblies	Pressure Transducer, Timer, Temperature Indicator
Thermal Shock Test	SAE AS2078, SAE AS1975 Customer Equivalents	Hose Assemblies	Temperature Indicator, Pressure Transducer, Timer
Fire Test	SAE AS 1055, SAE AS2078 Customer Equivalents	Hose Assemblies	Pressure Transducer, Temperature Indicator, Flow Meter
Repeated Assembly Torque	ARP908, SAE AS85421 Customer Equivalents	Hose Assemblies	Torque Wrench, Pressure Transducer, Timer
Tensile Strength Test	MIL-H-26633, Customer Equivalents	Hose Assemblies	Tinius Olsen Tensile Tester, Timer
Push / Pull Test	SAE AS1975, SAE AS5951 Customer Equivalents	Hose Assemblies	Pressure Transducer, Timer, Vernier Caliper
Over tightening Torque Test	MIL-H-26633 MIL-DTL-25579 Customer Equivalents	Hose Assemblies	Torque Wrench, Pressure Transducer, Timer

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Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Corrosion Test	MIL-DTL-25579, SAE AS1946 SAE AS1424, MIL-H-27267 Customer Equivalents	Hose Assemblies	Pressure Transducer, Timer
Oil Resistance Test	SAE AS620, SAE AS1227 Customer Equivalents	Hose Assemblies	Temperature Indicator, Timer, Pressure Transducer
Flexure Pressure Cycling Endurance Test	SAE AS1424 Customer Equivalents	Hose Assemblies	Pressure Transducer, Timer, Temperature Indicator, Vernier Caliper
Pressure Surge Test	SAE AS620, SAE AS1227 Customer Equivalents	Hose Assemblies	Temperature Indicator, Pressure Transducer, Oscilloscope, Timer
Fitting Continuity	SAE AS5951, Customer Equivalents	Hose Assemblies	Multimeter
Pneumatic Surge Test	SAE AS2078, Customer Equivalents	Hose Assemblies	Pressure Transducer, Timer

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1185.



Vice President

