

Infinity aluminium pipe and fittings have been specifically designed for use with compressed air, nitrogen and vacuum. When installed correctly and according to guidelines, they are proven to be unaffected by corrosive substances and fire resistant.

Infinity Pipe Systems offers a warranty against material defect for a period of 10 years.

Infinity Aluminium Pipe

For compressed air, nitrogen, vacuum, and all other inert gas, to be used in conjunction with Infinity metal fittings.

COUNTRY OF ORIGIN	Italy
BODY	Extruded aluminium UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2
SURFACE TREATMENT	Electrostatic painting
CHEMICAL TREATMENT	Fluorine-zirconium
EXTERNAL COATING	Epoxy polyester powder
INTERNAL COATING	Chemically treated with fluorine-zirconium
MAXIMUM PRESSURE	16 bar
WORKING TEMPERATURE RANGE	-20°C to 80°C (Fire tested in accordance with UNI EN 13501-1:2005)
UV EFFECT	None
DESIGNATIONS UNI EN 573-3	EN WA 6060
HEAT TREATMENT / MELTING POINT	DRAINED "16" / 600°C
SPECIFIC WEIGHT / RESISTANCE	2.70kg/dm ³ / 3.25µΩ cm
THERMAL CONDUCTIVITY	1.75W/(cm °K)
EXPANSION COEFFICIENT	0.024mm/(m °C)
SPECIFIC HEAT AT 100°C	0.92J/(g °K)
BEARING TENSILE STRESS	205N/mm ²
COEFFICIENT OF ELASTICITY	66000N/mm ²
PROPORTIONALITY DEVIATION LOAD	165N/mm ²
BRINEL HARDNESS	60÷70 HB
QUALITY FEATURES	UV resistant and fire tested in accordance with UNI EN 13501-1:2005
BATCH IDENTIFICATION NO.	As marked on length of pipe

Infinity Fittings

To be used in conjunction with Infinity aluminium pipe.

BODY	Nickel-plated brass
SEALS	NBR
SAFETY RING	Technopolymeric
CLAMPING WASHER	Inox AISI 304
SELF LOCKING NUT (110mm)	Zinc-plated steel
TUBE-GUIDE RING (110mm)	Technopolymeric
TCEI SCREW (110mm)	Zinc-plated steel
MAXIMUM PRESSURE	16 bar
WORKING TEMPERATURE RANGE	-20°C to 80°C (Fire tested in accordance with UNI EN 13501-1:2005)
FIRES RESISTANCE	This system does not stoke or propagate any fires
THREADS	Male threads taper in conformity with ISO / Female threads taper in conformity with ISO 228