



PIPE & FITTINGS

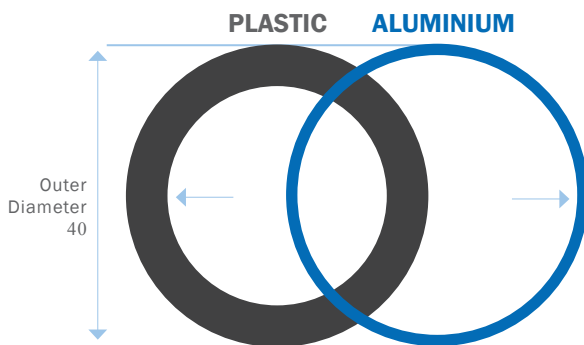
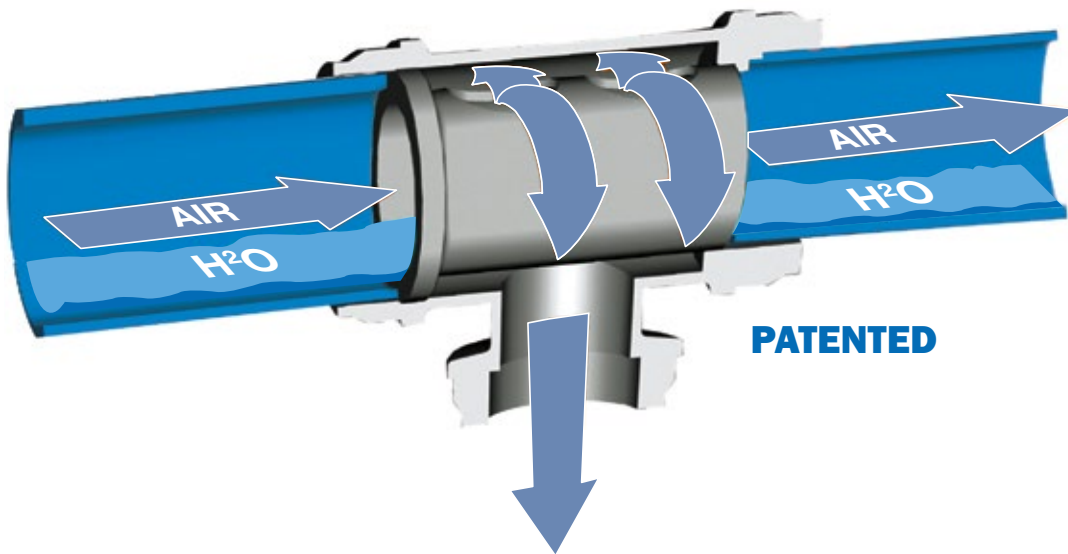
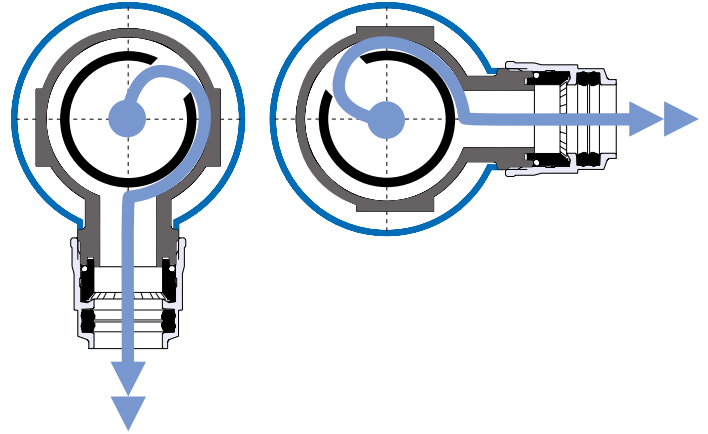


Infinity Zero Condensate Tee

One of the many technologically advanced features of the Infinity system is the zero condensate swan neck fitting.

It's an innovative solution that completely removes the need for a conventional swan neck and drain valves, providing a quick and easy solution to the problem of condensate. This efficient internal system allows the fluid to reach its destination without any damaging condensation reaching equipment.

Condensation stays within the ring main and can be drained off at the most convenient point. The internal geometric shape means it can be used vertically or horizontally.



ACTUAL SIZE COMPARISONS

PLASTIC		ALUMINIUM	
OUTER DIAMETER	INNER DIAMETER	OUTER DIAMETER	INNER DIAMETER
20	14	20	17
25	18	25	23
32	23	32	29
40	29	40	37
50	36	50	46
63	45	63	59
90	65	N/A	N/A
110	79	110	106

Size for Size There is no Comparison

When you compare the internal diameter of the Infinity aluminium pipe system with galvanised and plastic pipe of the same outside diameter, you'll find that there is one big advantage.

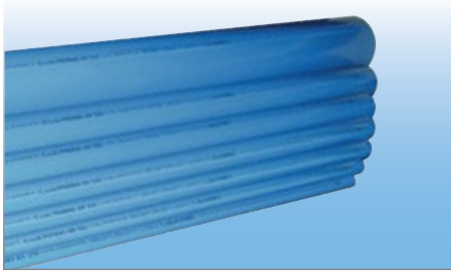
Even though Infinity aluminum pipe has a much thinner wall than that of plastic pipe, it is naturally stronger and more rigid.

Because of this, the thinner walls provide a much larger internal diameter. This larger bore results in far greater flow and reduced pressure drop for the same outside diameter as plastic pipe.

The table to the left shows aluminium's huge advantage in bore size compared to the bore size in plastic pipes of the same outside diameter.

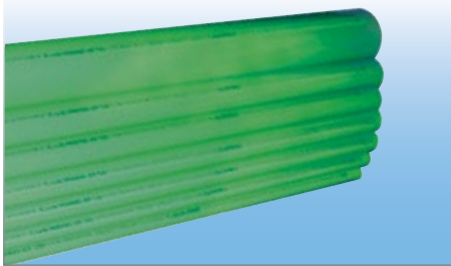
In fact, aluminium bore size is so much larger that in most cases you can use the next size down of Infinity pipe and still achieve the same or better flow as plastic.

Technical Characteristics Pertinent to the Tubes



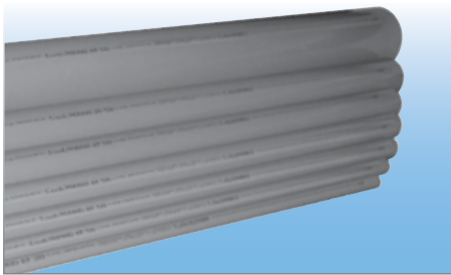
Aluminium Air Pipe

CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
IN20X6M	900006 20	Aluminium Pipe 20mm x 6m	71
IN25X6M	900006 25	Aluminium Pipe 25mm x 6m	124
IN32X6M	900006 32	Aluminium Pipe 32mm x 6m	247
IN40X6M	900006 40	Aluminium Pipe 40mm x 6m	530
IN50X6M	900006 50	Aluminium Pipe 50mm x 6m	918
IN63X6M	900006 63	Aluminium Pipe 63mm x 6m	2366



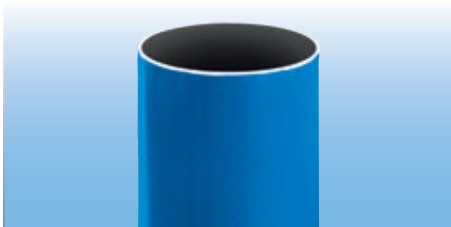
Aluminium Nitrogen Pipe

CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
IN20X6G	900006 20 G	Aluminium Pipe 20mm x 6m	71
IN25X6G	900006 25 G	Aluminium Pipe 25mm x 6m	124
IN32X6G	900006 32 G	Aluminium Pipe 32mm x 6m	247
IN40X6G	900006 40 G	Aluminium Pipe 40mm x 6m	530
IN50X6G	900006 50 G	Aluminium Pipe 50mm x 6m	918
IN63X6G	900006 63 G	Aluminium Pipe 63mm x 6m	2366



Aluminium Vacuum Pipe

CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
INV20X6M	900006GR 20	Aluminium Pipe 20mm x 6m	71
INV25X6M	900006GR 25	Aluminium Pipe 25mm x 6m	124
INV32X6M	900006GR 32	Aluminium Pipe 32mm x 6m	247
INV40X6M	900006GR 40	Aluminium Pipe 40mm x 6m	530
INV50X6M	900006GR 50	Aluminium Pipe 50mm x 6m	918
INV63X6M	900006GR 63	Aluminium Pipe 63mm x 6m	2366



110mm Aluminium Air Pipe

CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
IN110X6M	900006 110	Aluminium Pipe 110mm X 6m	3531

MAX PRESSURE	15 Bar
WORKING TEMPERATURE RANGE	-20 °C to 80 °C (Fire tested in accordance with UNI EN 13501-1:2005)
UV EFFECT	NONE
EXTRUDED ALUMINIUM	UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2
CHEMICAL COMPOSITION	Si: 0.3 ÷ 0.6 - Mg: 0.35 ÷ 0.6 - Fe: 0.10 ÷ 0.30
DESIGNATIONS UNI EN 573 - 3	EN AW 6060
HEAT TREATMENT / MELTING POINT	DRAINED "16" / 600°C
SURFACE TREATMENT	Electrostatic painting
SPECIFIC WEIGHT / RESISTANCE	2.70 Kg/dm ³ / 3.25 μΩ cm
THERMAL CONDUCTIVITY	1.75 W/(cm °K)
EXPANSION COEFFICIENT	0.024mm/(m °C)
SPECIFIC HEAT AT 100 °C	0.92 J/(g °K)
BEARING TENSILE STRESS	205 N/mm ²
COEFFICIENT OF ELASTICITY	66000 N/mm ²
PROPORTIONALITY DEVIATION LOAD	165 N/mm ²
BRINEL HARDNESS	60 ÷ 70 HB
CHEMICAL TREATMENT	Fluorine-Zirconium - prevents corrosion from acid condensing water & sticks like a film on the internal surface of the tube.
EXTERNAL COATING / INTERNAL COATING	Epoxypolyester Powder / Chemically treated with fluorine-zirconium.
QUALITY FEATURES	UV resistant and fire tested in accordance with UNI EN 13501-1:2005