



HIGH PERFORMANCE
ALL METAL PIPING SYSTEM
Compressed Air / Vacuum / Inert Gases
73mm (2.5") – 220mm (8")







Connect Elevation to Infinity for maximum advantage.

Once you've installed an Elevation header, it's common to have smaller diameter piping for drops and solid line hook-ups to machines and equipment.

Infinity, like Elevation, is comprised of an all metal, non-corrosive system with bore sizes from 20mm (3/4") up to 63mm (2 1/2"). The piping is manufactured in the same **MARINE GRADE ALUMINUM** as Elevation but promotes a different range and style of fittings.

Infinity fittings are made from solid brass and nickel-plated to provide a **STRONG AND NON-CORROSIVE** solution. The fitting design is a simple "push to connect" system and requires minimal skill, effort or tooling to install.

It couldn't be easier.

Simply drill a hole in the Elevation tubing. Attach an Outlet Saddle Clamp around the tubing to leave a female threaded connection. This allows for simple conversion between Elevation and Infinity.



It couldn't be easier.



Attach saddle clamp to
 Elevation pipe with female
 threaded connection.



2. Screw male thread connector into female connector.



3. Attach
Infinity piping
to fitting.











GROOVE

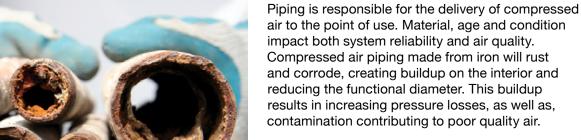
GASKET

BOLT/NUT

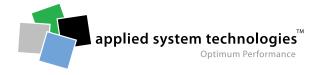
Non-Corrosive Marine Grade Aluminum Tubing.

- Marine grade aluminum construction - prevents rust and system deterioration.
- **Zero corrosion** eliminates expensive production downtime and dramatically reduces maintenance costs.
- Smooth internal diameter insuring higher flow rates with less turbulence than traditional iron pipe, throughout the life of the system.
- High quality powder coat finish
- Lowest cost of ownership available.

Don't jeopardize efficiency.

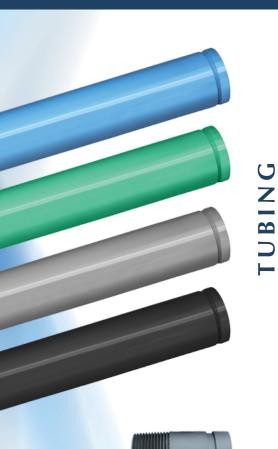






Components Compone







Special Oraci				
	220mm 10000-2		20-GAS-BLACK	
			<u> </u>	
	73mm tube > 1-1/	2" M	100011-70-24	
	73mm tube > 2	' M	100011-70-32	
	73mm tube > 2-1/2"		100011-70-40	
ADAPTERS	73mm tube > 2-1/	⁄2" F	100011-70-40-F	
ADAPTERS	90mm tube > 1-1/2"		100011-90-24	
NPT Male (M)	90mm tube > 2	" M	100011-90-32	
or	90mm tube > 2-1/	⁄2" M	100011-90-40	
NPT Female (F)	90mm tube > 3	" M	100011-90-48	
Cupplied without	90mm tube > 3" F		100011-90-48-F	
Supplied without Coupling	115mm tube > 2	" M	100011-115-32	
Couping	115mm tube > 2-1	/2" M	100011-115-40	
	115mm tube > 3" M 115mm tube > 4" M		100011-115-48	
			100011-115-64	
	115mm tube > 4	" F	100011-115-64-F	
	90mm tube > 73mm tube		100014-90-70	
	115mm tube > 73mm tube		100014-115-70	
REDUCERS	115mm tube > 90mm tube		100014-115-90	
Supplied without	168mm tube > 90	168mm tube > 90mm tube		
Couplings	168mm tube > 11	168mm tube > 115mm tube		
		20mm tube > 115mm tube		
coupings	220mm tube > 11	omm tube	100014-220-115	











	Size	Compatible With	Flange Size	Part Number
FLANGE ADAPTER BOLT KIT	73mm	100012-40	ANSI 2.5"	100012-40-BLK-KT
	90mm	100012-48, 100235-115-48	ANSI 3"	100012-48-BLK-KT
	115mm	100012-64, 100235-90-64	ANSI 4"	100012-64-BLK-KT
	168mm	100012-96, 100235-90-96,	ANSI 6"	100012-96-BLK-KT
	100111111	100235-115-96	ANSIO	100012-90-DER-K1
	220mm	100012-128	ANSI 8"	100012-128-BLK-KT



















	73mm	100040-70-R
STRAIGHT UNION	90mm	100040-90-R
COUPLING	115mm	100040-115-R
Rigid	168mm	100040-168-R
Maid	220mm	100040-220-R
	73mm	100040-70-F
STRAIGHT UNION	90mm	100040-70-F
COUPLING	115mm	100040-90-1 100040-115-F
Flexible	168mm	100040-113-F
Special Order	220mm	100040-168-F
	_	
	73mm	100040-70-R-07-O
HIGH TEMP	90mm	100040-90-R-07-O
COUPLING	115mm	100040-115-R-07-O
	168mm	100040-168-R-07-O
	220mm	100040-220-R-07-O
	73mm	100921-70-T
REPLACEMENT	90mm	100921-90-T
COUPLING SEAL	115mm	100921-115-T
Fits 107N Coupling	168mm	100921-168-T
	220mm	100921-220-T
	90mm > 73mm	100620-90-70
REDUCER	115mm > 73mm	100620-115-70
UNION	115mm > 90mm	100620-115-90
COUPLING	168mm > 115mm	100620-168-115
	220mm > 168mm	100620-220-168
90°	73mm	100130-70
UNION	90mm	100130-90
ELBOW	115mm	100130-115
Includes 2 Couplings	168mm	100130-168
includes 2 Coupilings	220mm	100130-220
4 = 0	73mm	100140-70
45°	90mm	100140-90
UNION ELBOW	115mm	100140-115
	168mm	100140-168
Includes 2 Couplings	220mm	100140-220









	73mm	100230-70		
Equal Tee	90mm	100230-90		
	115mm	100230-115		
Includes 3 Couplings	168mm	100230-168		
	220mm	100230-220		
	73mm tube > 1/2"	F	100234-70-08	
	73mm tube > 3/4"	F	100234-70-12	
	73mm tube > 1"	F	100234-70-16	
	73mm tube > 1-1/2"	F	100234-70-24	
	90mm tube > 3/4"	F	100234-90-12	
	90mm tube > 1"	F	100234-90-16	
	90mm tube > 1-1/2"	F	100234-90-24	
OUTLET	90mm tube > 2"	F	100234-90-32	
SADDLE CLAMP	115mm tube > 3/4"	F	100234-115-12	
	115mm tube > 1"	F	100234-115-16	
NPT Female (F)	115mm tube > 1-1/2"	F	100234-115-24	
or	115mm tube > 2"	F	100234-115-32	
Grooved (G)	168mm tube >1-1/2"	F	100234-168-24	
	168mm tube > 2"	F	100234-168-32	
	168mm tube > 90mm	G	100234-168-90	
	168mm tube > 115mm	G	100234-168-115	
	220mm tube > 2"	F	100234-220-32	
	220mm tube > 73mm	G	100234-220-70	
	220mm tube > 90mm	G	100234-220-90	
	220mm tube > 115mm	G 100234-220-1		
BUTTERFLY VALVE	73mm tube	100700-70		
Tube to Tube	90mm tube		100700-90	
(Ten Position)	115mm tube		100700-115	
•	168mm tube	100700-168		
Includes 2 Couplings	220mm tube	100700-220		
HIGH-TEMP	73mm	100700-70-0-01		
BUTTERFLY VALVE	90mm	100700-90-0-01		
Supplied without	115mm	100700-115-0-01		
Couplings	168mm	100700-168-0-01		
	220mm	100700-220-0-01		
NITRILE-LINED	73mm	100700-70-NL		
BUTTERFLY VALVE	90mm	1	00700-90-NL	
Includes 2 Couplings	115mm	100700-115-NL 100700-168-NL		
(special order)	168mm			

















DILLG CAD	73mm DG		100610-70-D	
PLUG - CAP END FITTING	90mm A		100610-90-A	
	90mm DG		100610-90-D	
Ductile Galv. (DG) or Aluminum (A)	115mm A		100610-115-A	
Supplied without	115mm DG		100610-115-D	
Coupling	168mm	168mm DG		
, 6	220mm DG		100610-220-D	
	73mm-3/8" insert		100820-70	
HANGING	90mm-3/8" insert		100820-90	
BRACKET (Galvanized Steel, Threaded Insert)	115mm-3/8" insert		100820-115	
	168mm - 1/2" insert includes 3/8" insert adapter		100820-168	
	220mm - 1/2" inser includes 3/8" insert ada	100820-220		
WIRE HANGING SYSTEM (15' length) 3/8" threaded end (replaces need for threaded rod)	73mm – 220mm pack of 10		90832-15	
BEAM CLAMP	3/8"		90860	
CANTILEVER	73mm		100835-70	
WALL BRACKET Includes Bracket,	90mm		100835-90	
Pipe Strap & Bolts	115mm		100835-115	
ASSEMBLY LUBE	1 Quart Container		100910-32	
	Grooving Tool (73mm-168mm)		100950-M	
TOOLS	Grooving Tool (220mm)		Special Order (call)	
. 5 5 15	Grooving Tool Rental (73mm-168mm) (Weekly Rental)		100950-M-R	
	Groove Gauge		100952-G	

Elevation Technical Specifications

Working Pressure -29.6Hg (-0.99bar) to 220psi (15 bar)

Max Working Temperature -4°F to 176° F (100% Duty)

Tubing Material Aluminum 6063 T-5 (Marine Grade)

Manufactured and certified

to ASTM standards

Tubing Weight 73 mm - 0.86 lbs./ft

90 mm - 1.04 lbs./ft 115 mm - 1.15 lbs./ft 168 mm - 3.12 lbs./ft 220 mm - 4.95 lbs./ft

Standard Seals (-4° F to 176° F)

Nitrile Rubber

High Temperature Seals (-4° F to 300° F)

Fluoroelastomer

Fittings Aluminum, B-26, 356-T6

Ductile Iron, Galvanized,

grade 65-45-12

Standards & Approvals ASME B31.1 Power Piping

ASTM F-1476 BOCA CSA B-242 SBCCI

CRN

Elevation System Flow Rates:

Cu Ft/min

	73mm	90mm	115mm	168mm	220mm
100 PSI	948	1955	3844	10078	20944
125 PSI	1064	2162	4205	11194	23169
150 PSI	1169	2364	4591	12153	25279
220 PSI	1417	2937	5568	14740	30418

Above flow rates are based on straight line flow allowing for a 1psi pressure drop per/100ft over pipe and couplings. For loop systems, flow rates are doubled, i.e. 90mm tubing at 100 psi flows 3910 cfm.

All dimensions measured in mm, unless otherwise noted with inches symbol or text.









10 Year Guarantee

Applied System Technologies warrants its tube and fitting components to be free of leaks due to manufacturing defects for a period of 10 years from date of sale. This Express warranty is in lieu of and excludes all other warranties, guarantees or representations, express or implied, by operation of law or otherwise, including any warranty that the materials are suitable for the buyer's requirements or special use. System must be installed by an AST approved technician.

Applied System Technologies agrees to replace any component proven to have a manufacturing defect.

Applied System Technologies shall not be liable for any consequential damages nor for loss, damage or expenses directly or indirectly arising from the use of the product







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