



HIGH PERFORMANCE ALUMINIUM PNEUMATIC PIPING SYSTEMS

easy to install and simple to extend or modify

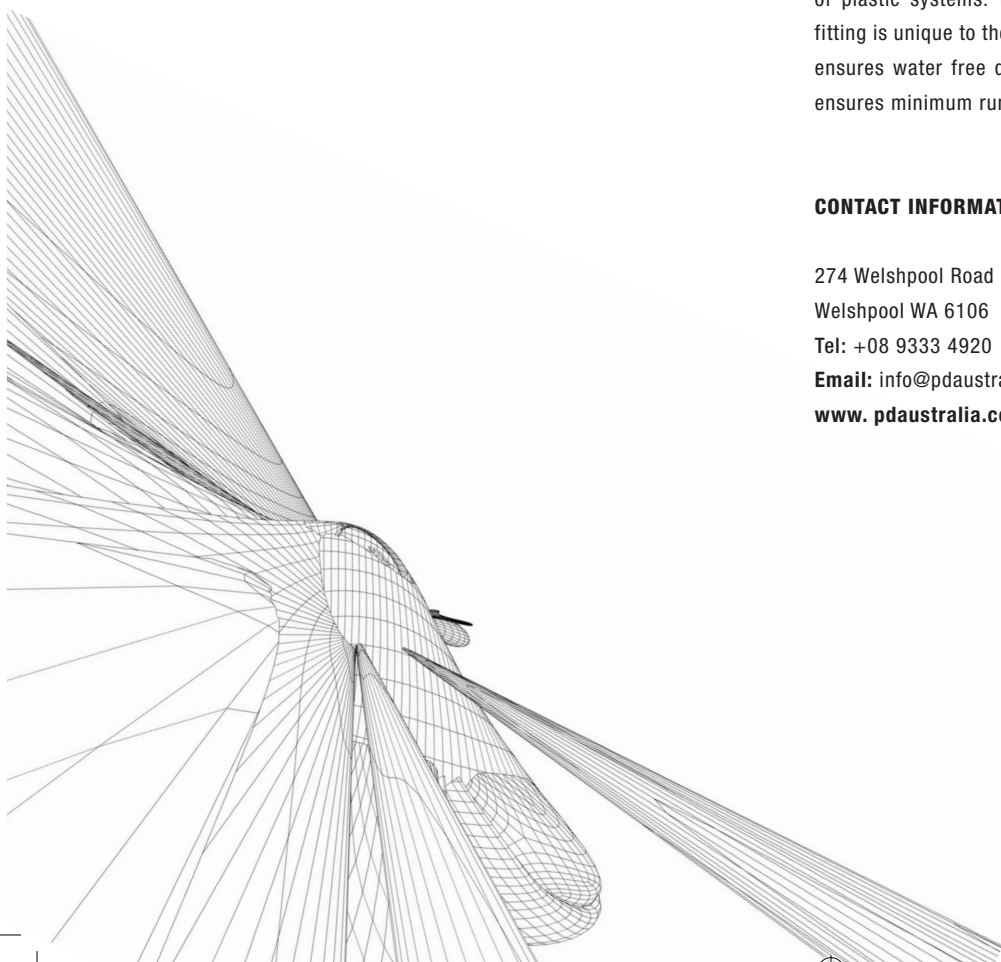




Infinity piping is a high performance aluminum piping system that is easy to install and simple to extend or modify. The non-corrosive extruded aluminum provides structural strength and delivers contaminate-free air in a leak free piping system. The smooth bore of Infinity Piping prevents high pressure losses and allows for higher flow rates and performance than that of plastic systems. The zero condensate swan neck fitting is unique to the Infinity piping range and further ensures water free quality air supply. No air leakage ensures minimum running costs.

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CONTENTS

4 INFINITY SYSTEM ADVANTAGES

6 TECHNICAL CHARACTERISTICS

- 6** $\varnothing 20$ - $\varnothing 25$ - $\varnothing 32$ - $\varnothing 40$ - $\varnothing 50$ - $\varnothing 63$
- 7** $\varnothing 110$

8 INSTALLATION GUIDE

- 8** Determining the diameter for the installation
- 9** Distance from compressor to furthest outlet

10 PIPING SYSTEM & FITTINGS

- 10** Technical characteristics pertinent to the tubes
- 11** Fittings for $\varnothing 20$ to $\varnothing 63$
- 16** Fittings for $\varnothing 110$

18 INFINITY DROP LEG PACKAGES

23 COUPLINGS & PLUGS

- 23** NSC Series
- 25** SE Aluminium Series
- 26** 200 Stainless Steel Series
- 28** 300 Stainless Steel Series

29 ADAPTORS

33 ACCESSORIES

35 FILTER/REGULATORS/LUBRICATORS

38 FIXINGS

39 SAFETY CERTIFICATIONS

40 INFINITY PIPING WORKSHEET

43 CONVERSIONS

INFINITY | Infinite Possibilities Infinite Solutions

Why use Infinity compressed air pipe system?

Air is regarded in the industry as the fourth utility; in fact as much as 10% of all electricity generated for industry is used up by compressed air systems.

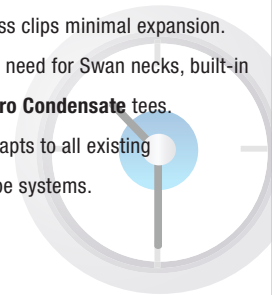
Galvanised steel and plastic piping systems have been the standard products used in industry for years. However these systems may be costing you a lot more than you realise.

Galvanised pipe corrodes on the inside where it can't be seen therefore reducing flow and increasing pressure drop, on the other hand plastic, if not bracketed correctly will sag and bow, creating potential condensate collection points. Both products are designed to carry water and other chemicals as well as air, so their design characteristics can increase pressure drop when used in a compressed air system.

The new Infinity piping offers the first all metal piping system, specifically designed for compressed air use. Infinity is designed with energy savings in mind. It's extremely smooth corrosion-free pipe complimented with brass nickel plated fittings and our patented **Zero Condensate** tee, all go together to keep the air flow laminar; therefore reducing turbulence, minimizing pressure drop, and removing condensation.

INFINITE TIME SAVING

- Simple push in system.
- Modular connection.
- Light-weight tubing.
- Fully adjustable & reusable, ideal for future expansion.
- Easy identification painted blue and marked compressed air.
- Less clips minimal expansion.
- No need for Swan necks, built-in **Zero Condensate** tees.
- Adapts to all existing pipe systems.



INFINITE QUALITY

- Internal and external corrosion free coating.
- Consistent air quality to every outlet.
- 10 years warranty on all products.
- Leak free.
- Minimal expansion; No sag or bow.
- Total metal system.
- Complies with Australian & European safety standard (AS4041)
- UV Resistant.
- A1 fire rating.



INFINITE ENERGY SAVING

- Extremely low pressure drop.
- Leak free.
- Reduced compressor loading and running cost.
- Efficient condensate removal.



Assembly is quick and simple

Forget about welding copper pipes, threading galvanised steel or screwing together plastic pipes. The Infinity push-in is as simple as pushing them together for automatic connection. With no welding, gluing or crimping. Your new system goes up fast and because the aluminium pipes are inherently stronger and stiffer than plastic pipes, you save even more time because they only require half the mounting brackets. That makes for a big saving in expensive installation time.

In fact aluminium expands at 7 times less than the rate of plastic, so Infinity requires far less or no expansion points.

Vacuum and inert gases

The High quality Standard set by the Infinity pipe system also means that it is ideal for Vacuum and non explosive gas systems such as nitrogen. The Infinity pipe is also available in a selection of colors to meet the required Gas regulations.

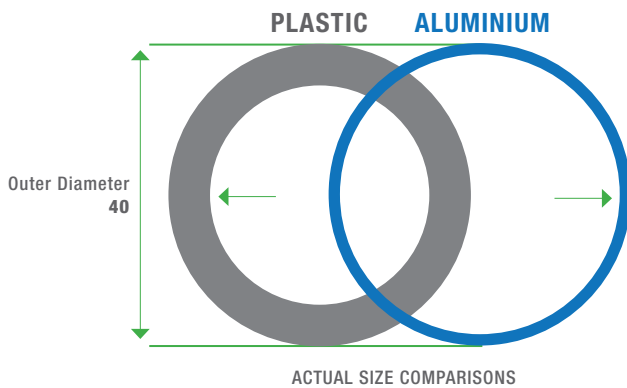
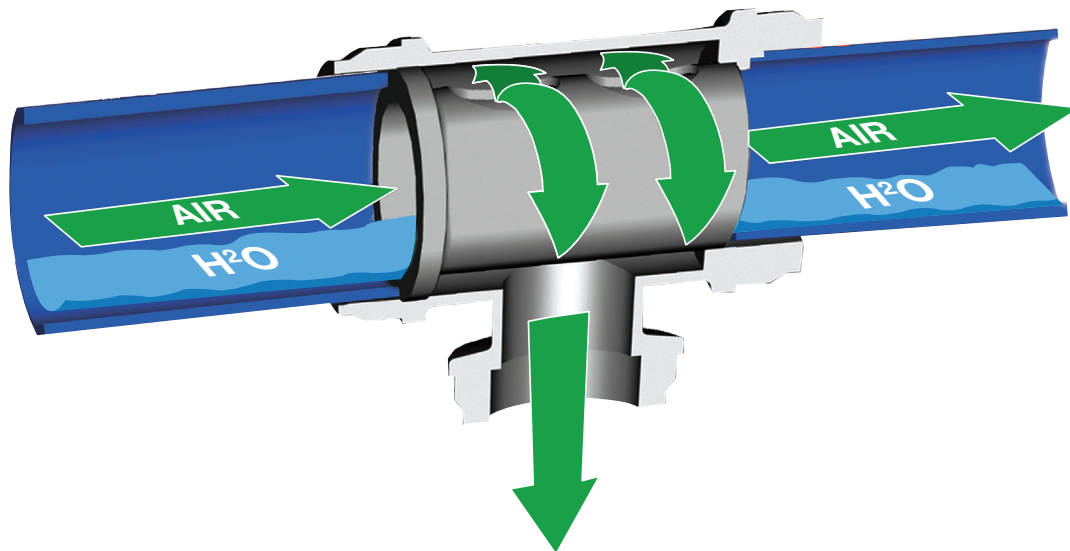
INFINITY | Raising the bar

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 air to reach its destination without any damaging condensation reaching equipment. Condensation stays within the ringmain and can be drained off at the most convenient point. The internal geometric shape means it can be used vertically or horizontally.



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	90	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 Aluminium pipe has a much thinner wall than that of plastic pipe, it is naturally stronger and more rigid.

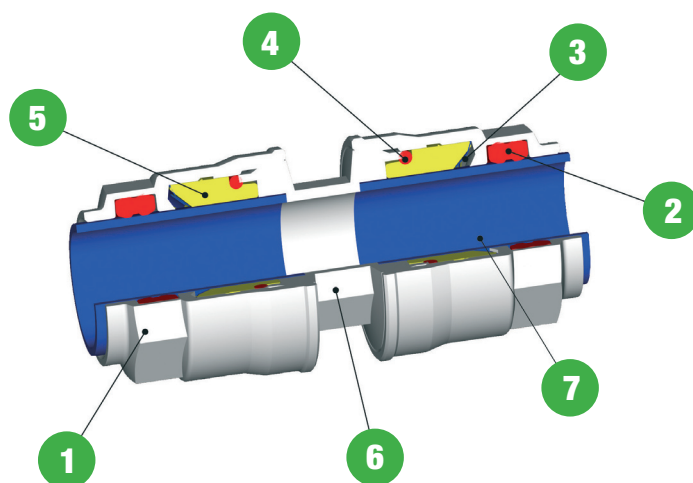
Because of this, the thinner walls provide a much larger internal diameter. This larger bore results in far greater air flow and reduced pressure drop for the same out side diameter as plastic pipe.

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.

INFINITY | Technical characteristics

ø20 - ø25 - ø32 - ø40 - ø50 - ø63
PUSH-IN



- 1 Nut made in Nickel-Plated Brass
- 2 Seal made in NBR
- 3 Clamping Washer made in Inox AISI 304
- 4 O-RING Seals made in NBR
- 5 Safety Ring made in Technopolymeric
- 6 Body made in Nickel-Plated Brass
- 7 Extruded Aluminium tube calibrated and powder coated.

Temperatures

Minimum **-20°C**

Maximum **+80°C**

Pressures

Minimum **-0.99 bar** (0.099 Mpa)

Maximum **15 bar** (1.5 Mpa)

Compatible fluids

Compressed air

Vacuum

Inert Gas (AZOTO, ARGON)

Fire resistance

The system does not stoke or propagate any fires

Threads

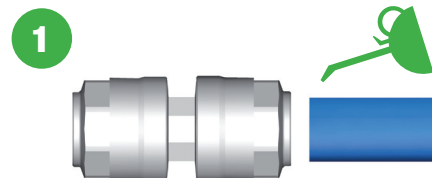
Male threads taper in conformity with ISO

Female threads in conformity with ISO 228

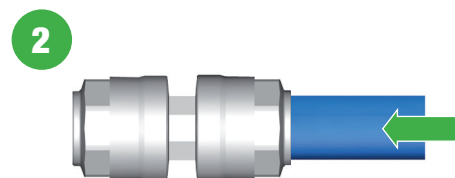
Technical characteristics to the tubes

Extruded Aluminium	UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2
Designations UNI EN 573-3	EN AW 6060 T6
Surface treatment	Electrostatic painting
Specific weight	2.70 Kg/dm ³
Expansion coefficient	0.024 mm/(m °C)

INSTALLATION ø20 - ø25 - ø32 - ø40



- 1 Fittings of ø20 - ø25 - ø32 - ø40 are pre-assembled. Tubes of 4mt are pre-coated, calibrated and deburred.



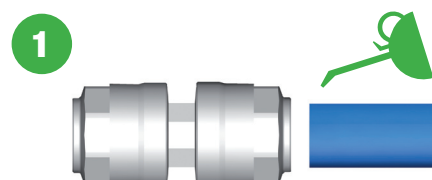
- 2 Push tube into the fitting for automatic connection.



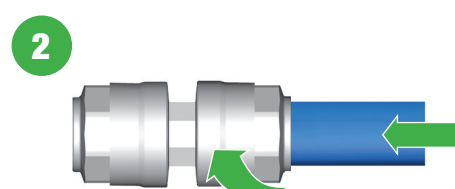
- 3 In case of fitting disassembling, use the torques as in the chart to re-assemble the fitting.

Diameter	Torque
20	300 cN.m
25	300 cN.m
32	400 cN.m
40	650 cN.m

INSTALLATION ø50 - ø63



- 1 Fittings of ø50 - ø63 are pre-assembled with nut untwisted to help tube connection. Tubes of 4 mt are pre-coated, calibrated and deburred.

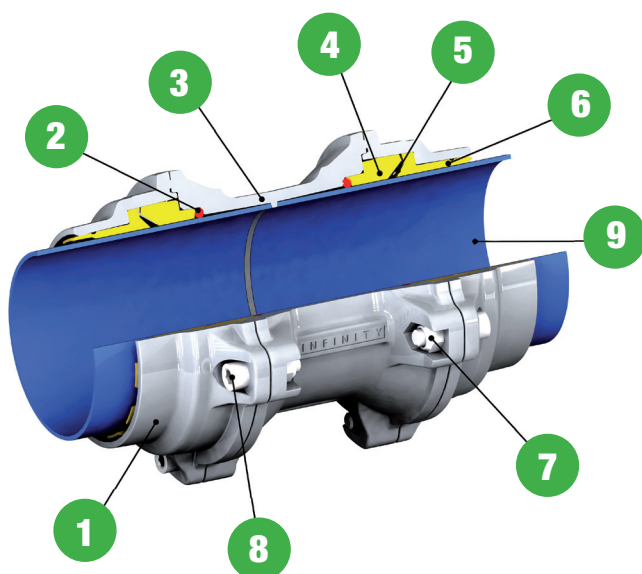


- 2 Push tube into the fitting for connection and tighten the nut using torques settings as in the chart.

Diameter	Torque
50	75 N.m
63	75 N.m

INFINITY | Technical characteristics

ø110
NEW PUSH-IN



- 1 Nut made in Aluminium with proper surface treatment
- 2 O-RING Seal made in NBR
- 3 Body made in Aluminium with proper surface treatment
- 4 Safety Ring made in Technopolymeric
- 5 Clamping Washer made in compliance with AISI 301
- 6 Tube-guide Ring made in Technopolymeric
- 7 Selflocking Nut in Zinc-Plated Steel
- 8 TCEI Screw in Zinc-Plated Steel
- 9 Extruded Aluminium tube calibrated and powder coated

Temperatures

Minimum **-20°C**
Maximum **+80°C**

Pressures

Minimum **-0.99 bar** (0.099 Mpa)
Maximum **15 bar** (1.5 Mpa)

Compatible fluids

Compressed air
Vacuum
Inert Gas (AZOTO, ARGON, NITROGEN)

Fire resistance

The system does not stroke or propagate any fires

Threads

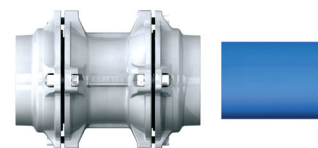
Raccordo flangiato DIN UNI EN 1092 - 4 PN 16
Female threads in conformity with ISO 228

Technical characteristics to the tubes

Extruded Aluminium	UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2
Designations UNI EN 573-3	EN AW 6060 T6
Surface treatment	Electrostatic painting
Specific weight	2.70 Kg/dm³
Expansion coefficient	0.024 mm/(m °C)

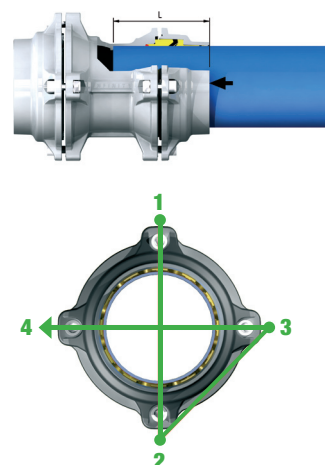
INSTALLATION ø110

1



- 1 Fittings of ø110 are pre-assembled with four screws untwisted to help tube connection. Tubes of 4 mt are pre-coated, calibrated and deburred.

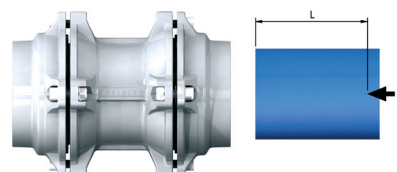
2



- 2 Push tube into the fitting for automatic connection and screw up in the suggested sequence. Tightening torque 30Nm.

TUBE CONNECTION

The correct connection of tube is confirmed by the position of the arrow pre-stamp. If you need to cut the tube, mark the distance of tube to insert in the fitting.



Diameter	L mm
20	31.5 mm
25	38.5 mm
32	46 mm
40	52 mm
50	63.5 mm
63	75.5 mm
110	125.5 mm

INFINITY | Installation Guide: Determining the diameter for the installation

The Diagram below allows you to determinate the diameter of the main line.

1. Choose the Flow rate of compressor in the Green column.
2. Choose the Distance between compressor and the most distant using point in the Blue column.
3. Cross the lines of Flow rate and Blue column of Distance to choose the diameter.

EXAMPLE

FLOW RATE			Distance from compressor to furthest outlet										
			25m	50m	100m	150m	200m	300m	400m	500m	1000m	1500m	2000m
Nl/min	Nm3/h	cfm	82ft	164ft	328ft	492ft	656ft	984ft	1312ft	1640ft	3280ft	4921ft	6562ft
230	14	8	20	20	20	20	20	20	20	20	25	25	25
650	39	23	20	20	20	20	25	25	25	25	32	32	32
900	54	32	20	20	20	25	25	25	32	32	32	40	40
1200	72	42	20	20	25	25	25	32	32	32	40	40	40
1750	105	62	20	25	25	32	32	32	32	40	40	50	50
2000	120	71	20	25	32	32	32	32	40	40	40	50	50
2500	150	88	25	25	32	32	32	40	40	40	50	50	50
3000	180	106	25	32	32	32	40	40	40	40	50	50	63
3500	210	124	25	32	32	40	40	40	40	50	50	63	63
4500	270	159	32	32	40	40	40	50	50	50	63	63	63
6000	360	212	32	40	40	40	50	50	50	63	63	63	63*
7000	420	247	32	40	40	50	50	50	63	63	63	63*	110
8500	510	300	40	40	50	50	50	63	63	63	63*	110	110
12000	720	424	40	50	50	63	63	63	63	110	110	110	110
15000	900	530	40	50	63	63	63	63	63*	110	110	110	110
18000	1080	636	50	50	63	63	63	110	110	110	110	110	110
21000	1260	742	50	63	63	63	63*	110	110	110	110	110	110*
26000	1560	918	50	63	63	63*	110	110	110	110	110	110*	110*
31000	1860	1095	63	63	63*	110	110	110	110	110	110	110*	110*
33000	1980	1165	63	63	110	110	110	110	110	110	110*	110*	110*
44000	2640	1554	63	63*	110	110	110	110	110	110	110*	110*	110*
50000	3000	1766	63	110	110	110	110	110	110	110*	110*	110*	110*
58000	3480	2048	63	110	110	110	110	110	110*	110*	110*	110*	110*
67000	4020	2366	63*	110	110	110	110	110*	110*	110*	110*	110*	110*
75000	4500	2648	110	110	110	110	110	110*	110*	110*	110*	110*	110*
83000	4980	2931	110	110	110	110	110*	110*	110*	110*	110*	110*	110*
92000	5520	3249	110	110	110	110*	110*	110*	110*	110*	110*	110*	110*
100000	6000	3531	110	110	110	110*	110*	110*	110*	110*	110*	110*	110*

Pressure 7 bar - Total pressure drop 4%
 * Pressure drop is higher than 4%

EXAMPLE

Flow rate:

1750 NL/min

Distance from compressor to furthest outlet:

300 m

Tube diameter:

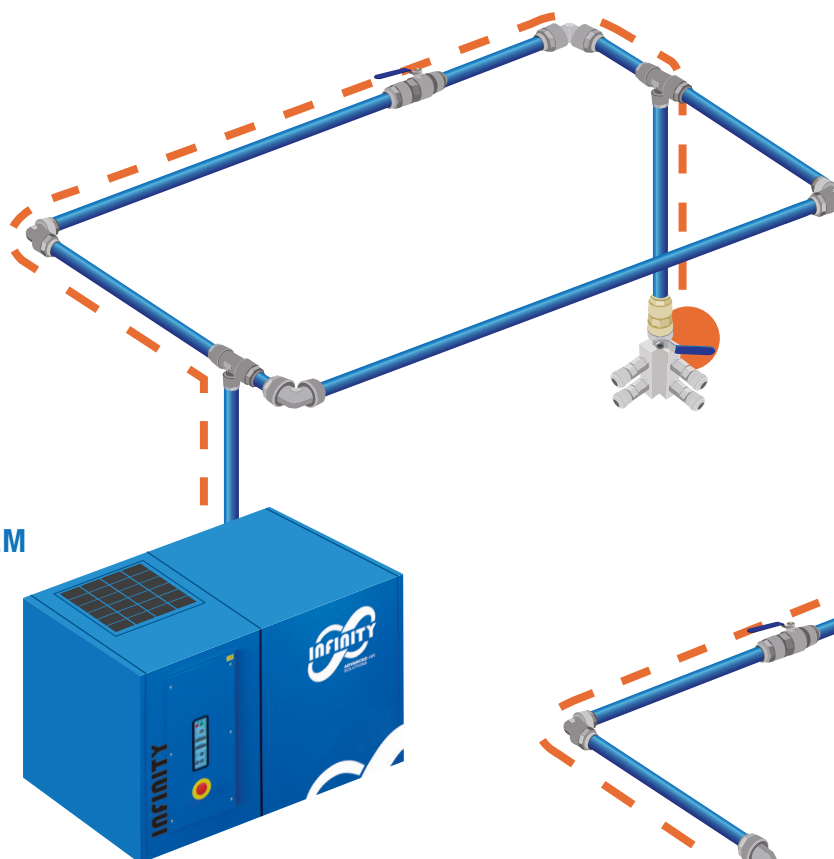
ø32

PRESSURE DROP

Every pipe has a certain resistance to the flowing air. This resistance is related to the inner surface of the pipe, its internal diameter, the flow velocity, and to the overall length of pipe. The following page will help you keep your pressure drop to a minimum.

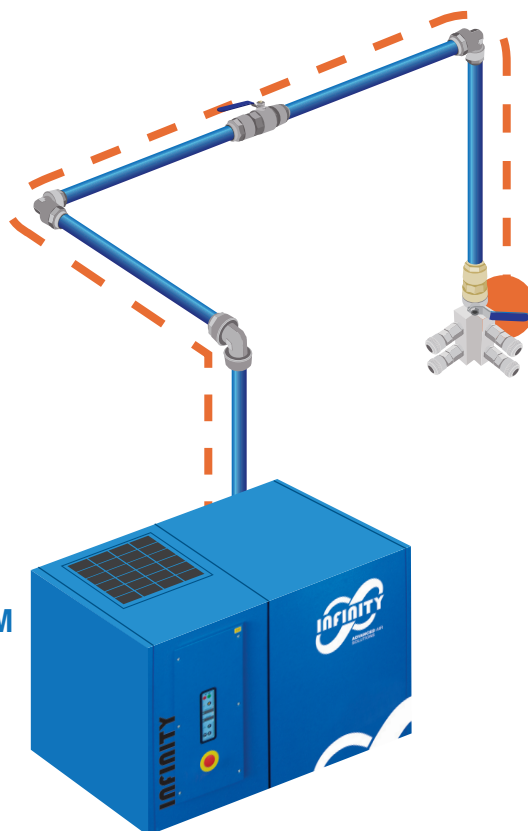
INFINITY | Installation Guide: Distance from compressor to furthest outlet

RINGMAIN SYSTEM



Distance between the compressor
and the furthest outlet

LINEAR SYSTEM



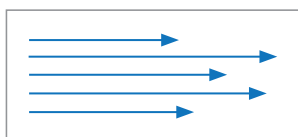
The most overlooked area in piping layout and design is the velocity of the compressed air. Under sizing the internal diameter of the pipe relevant to the flow required, will increase the velocity.

So what is wrong with high velocity? The air is just getting there faster. This is true, but what happens when the air runs into a valve or crossing tee etc. All this energy creates high turbulence and therefore significant back pressure. These actions can have a very negative impact on your systems performance and running costs.

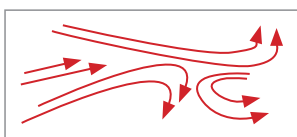
High Velocity (under sizing the pipe system) can be a significant cause of:

- ➔ Back pressure
- ➔ Erratic pressure control
- ➔ Turbulence in the pipe system
- ➔ Pressure drop
- ➔ Extra power requirements at the compressor

Laminar Flow

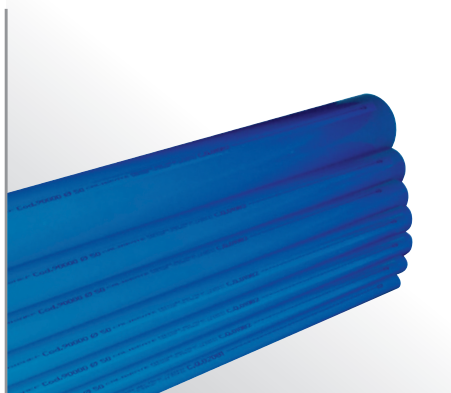


Turbulent Flow



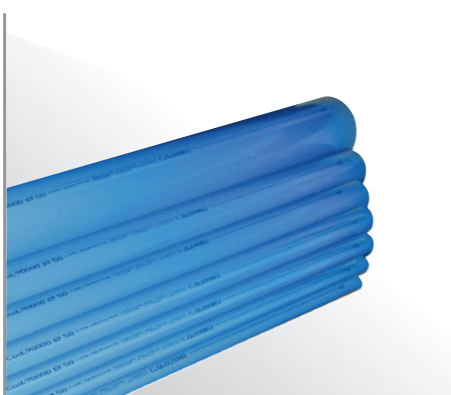
Technical characteristics pertinent to the tubes

ø20 - ø25 - ø32 - ø40 - ø50 - ø63



ALUMINIUM PIPES

Part #	Alt Part #	Description	Max Flow Rate (cfm) (25m)
IN20	90000 20	20mm x 4m Pipe	71
IN25	90000 25	25mm x 4m Pipe	124
IN32	90000 32	32mm x 4m Pipe	247
IN40	90000 40	40mm x 4m Pipe	530
IN50	90000 50	50mm x 4m Pipe	918
IN63	90000 63	63mm x 4m Pipe	2366



ALUMINIUM PIPES

Part #	Alt Part #	Description	Max Flow Rate (cfm) (25m)
IN20X6M	900006 20	20mm x 6m Pipe	71
IN25X6M	900006 25	25mm x 6m Pipe	124
IN32X6M	900006 32	32mm x 6m Pipe	247
IN40X6M	900006 40	40mm x 6m Pipe	530
IN50X6M	900006 50	50mm x 6m Pipe	918
IN63X6M	900006 63	63mm x 6m Pipe	2366

MAX PRESSURE @ 30°C	15 Bar
MAX PRESSURE @ 50°C	15 Bar
WORKING TEMPERATURE RANGE	-20 °C to 80 °C
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	DRAINED "16"
SURFACE TREATMENT	Electrostatic painting
SPECIFIC WEIGHT	2.70 Kg/dm ³
SPECIFIC RESISTANCE	3.25 µΩ cm
THERMAL CONDUCTIVITY	1.75 W/(cm °K)
EXPANSION COEFFICIENT	0.024 mm/(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
MELTING POINT	600°C

Piping System & Fittings

ø20 - ø25 - ø32 - ø40 - ø50 - ø63



STRAIGHT MALE ADAPTOR

Tube to male threaded BSP

Part #	Alt Part #	Description
INMA2012	90010 20-½	20mm x ½" Male Adaptor
INMA2520	90010 25-¾	25mm x ¾" Male Adaptor
INMA3225	90010 32-1	32mm x 1" Male Adaptor
INMA4032	90010 40-1¼	40mm x 1¼" Male Adaptor
INMA5040	90010 50-1½	50mm x 1½" Male Adaptor
INMA6350	90010 63-2	63mm x 2" Male Adaptor



STRAIGHT FEMALE ADAPTOR

Tube to female threaded BSP

Part #	Alt Part #	Description
INFA2012	90030 20-½	20mm x ½" Female Adaptor
INFA2520	90030 25-¾	25mm ¾" Female Adaptor
INFA3225	90030 32-1	32mm 1" Female Adaptor
INFA4032	90030 40-1¼	40mm 1¼" Female Adaptor
INFA5040	90030 50-1½	50mm 1½" Female Adaptor
INFA6350	90030 63-2	63mm 2" Female Adaptor



STRAIGHT COUPLING

Tube to tube

Part #	Alt Part #	Description
INC20	90040 20	20mm Coupling
INC25	90040 25	25mm Coupling
INC32	90040 32	32mm Coupling
INC40	90040 40	40mm Coupling
INC50	90040 50	50mm Coupling
INC63	90400 63	63mm Coupling



ELBOW CONNECTOR

Tube to tube

Part #	Alt Part #	Description
INE20	90130 20	20mm Elbow
INE25	90130 25	25mm Elbow
INE32	90130 32	32mm Elbow
INE40	90130 40	40mm Elbow
INE50	90130 50	50mm Elbow
INE63	90130 63	63mm Elbow

Piping System & Fittings

ø20 - ø25 - ø32 - ø40 - ø50 - ø63



135° CONNECTOR

Tube to tube

Part #	Alt Part #	Description
INEC20	90140 20	20mm Connector
INEC25	90140 25	25mm Connector
INEC32	90140 32	32mm Connector
INEC40	90140 40	40mm Connector
INEC50	90140 50	50mm Connector
INEC63	90140 63	63mm Connector



ELBOW CONNECTOR MALE

Tube to thread

Part #	Alt Part #	Description
INMC20	90150 20-1/2	Male Elbow Connector
INMC25	90150 25-3/4	Male Elbow Connector
INMC32	90150 32-1	Male Elbow Connector
INMC40	90150 40-1 1/4	Male Elbow Connector
INMC50	90150 50-1 1/2	Male Elbow Connector
INMC63	90150 63-2	Male Elbow Connector



ELBOW CONNECTOR FEMALE

Tube to thread

Part #	Alt Part #	Description
INFC20	90160 20-1/2	Female Elbow Connector
INFC25	90160 25-3/4	Female Elbow Connector
INFC32	90160 32-1	Female Elbow Connector
INFC40	90160 40-1 1/4	Female Elbow Connector
INFC50	90160 50-1 1/2	Female Elbow Connector
INFC63	90160 63-2	Female Elbow Connector



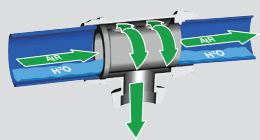
TEE CONNECTOR

Tube - Tube - Tube

Part #	Alt Part #	Description
INT20	90230 20	20mm Tee
INT25	90230 25	25mm Tee
INT32	90230 32	32mm Tee
INT40	90230 40	40mm Tee
INT50	90230 50	50mm Tee
INT63	90230 63	63mm Tee

Piping System & Fittings

ø20 - ø25 - ø32 - ø40 - ø50 - ø63

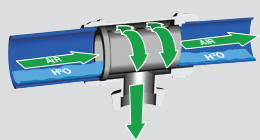


Zero Condensate tees

REDUCING TEE CONNECTOR

Swan neck tee - Tube to tube

Part #	Alt Part #	Description
INRT2520	90235 25-20	25 X 20mm Reducing Tee
INRT3220	90235 32-20	32 X 20mm Reducing Tee
INRT3225	90235 32-25	32 X 25mm Reducing Tee
INRT4020	90235 40-20	40 X 20mm Reducing Tee
INRT4025	90235 40-25	40 X 25mm Reducing Tee
INRT5020	90235 50-20	50 X 20mm Reducing Tee
INRT5025	90235 50-25	50 X 25mm Reducing Tee
INRT5032	90235 50-32	50 X 32mm Reducing Tee
INRT6320	90235 63-20	63 X 20mm Reducing Tee
INRT6325	90235 63-25	63 X 25mm Reducing Tee
INRT6332	90235 63-32	63 X 32mm Reducing Tee



Zero Condensate tees

FEMALE TEE CONNECTOR

Swan neck tee - Tube to thread

Part #	Alt Part #	Description
INTF20-1/2	90236 20-1/2	20 X 1/2 Female Tee
INTF20-3/8	90236 20-3/8	20 X 3/8" Female Tee
INTF25-1/2	90236 25-1/2	25 X 1/2 Female Tee
INTF25-3/8	90236 25-3/8	25 X 3/8" Female Tee
INTF32-1/2	90236 32-1/2	32 X 1/2" Female Tee
INTF40-1/2	90236 40-1/2	40 X 1/2" Female Tee
INTF50-3/4	90236 50-3/4	50 X 3/4" Female Tee
INTF63-3/4	90236 63-3/4	63 X 3/4" Female Tee



SADDLE CLAMP CONNECTOR

Clamp to tube

Part #	Alt Part #	Description
INSCC3220	90240 32-20	32 X 20mm Saddle Clamp Connector
INSCC3225	90240 32-25	32 X 25mm Saddle Clamp Connector
INSCC4020	90240 40-20	40 X 20mm Saddle Clamp Connector
INSCC4025	90240 40-25	40 X 25mm Saddle Clamp Connector
INSCC5020	90240 50-20	50 X 20mm Saddle Clamp Connector
INSCC5025	90240 50-25	50 X 25mm Saddle Clamp Connector
INSCC6320	90240 63-20	63 X 20mm Saddle Clamp Connector
INSCC6325	90240 63-25	63 X 25mm Saddle Clamp Connector

Piping System & Fittings

ø20 - ø25 - ø32 - ø40 - ø50 - ø63



PLUGS

Part #	Alt Part #	Description
INP20	90610 20	20mm Plug
INP25	90610 25	25mm Plug
INP32	90610 32	32mm Plug
INP40	90610 40	40mm Plug
INP50	90610 50	50mm Plug
INP63	90610 63	63mm Plug



REDUCING UNION

Part #	Alt Part #	Description
INRU2520	90620 25-20	25 X 20mm Reducing Union
INRU3220	90620 32-20	32 X 20mm Reducing Union
INRU3225	90620 32-25	32 X 25mm Reducing Union
INRU4020	90620 40-20	40 X 20mm Reducing Union
INRU4025	90620 40-25	40 X 25mm Reducing Union
INRU4032	90620 40-32	40 X 32mm Reducing Union



DRIP LEG DRAINS

Tube to drain

Part #	Alt Part #	Description
INDLD20	90260 20	20mm Drip Leg Drain
INDLD25	90260 25	25mm Drip Leg Drain
INDLD32	90260 32	32mm Drip Leg Drain
INDLD40	90260 40	40mm Drip Leg Drain
INDLD50	90260 50	50mm Drip Leg Drain
INDLD63	90260 63	63mm Drip Leg Drain



BALL VALVE COUPLINGS

Tube to tube

Part #	Alt Part #	Description
INBV20	90700 20	20mm Ball Valve Coupling
INBV25	90700 25	25mm Ball Valve Coupling
INBV32	90700 32	32mm Ball Valve Coupling
INBV40	90700 40	40mm Ball Valve Coupling
INBV50	90700 50	50mm Ball Valve Coupling
INBV63	90700 63	63mm Ball Valve Coupling

Piping System & Fittings

ø20 - ø25 - ø32 - ø40 - ø50 - ø63



BALL VALVE

Tube to male thread BSP

Part #	Alt Part #	Description
INBV20-1/2	90720 20-1/2	20 X 1/2 Ball Valve
INBV25-3/4	90720 25-3/4	25 X 3/4 Ball Valve



LUGGED FEMALE ELBOWS

Tube to female thread BSP

Part #	Alt Part #	Description
INLE2012	90600 20-1/2	20mm X 1/2" Lugged Female Elbow
INLE2520	90600 25-3/4	25mm X 3/4" Lugged Female Elbow
INLE3225	90600 32-1	32mm X 25mm Lugged Female Elbow



MANIFOLDS

Tube to 2 x female thread BSP

Part #	Alt Part #	Description
INM20-1/2	90602 20-1/2	20-1/2 2 Way Manifold
INM25-1/2	90602 25-1/2	25-1/2 2 Way Manifold



MANIFOLDS - 2 WAY

Part #	Alt Part #	Description
INM1/2-1/2	90642 1/2-1/2	1/2 X 1/2 2 Way Manifold
INM3/4-1/2	90642 3/4-1/2	3/4 X 1/2 2 Way Manifold



MANIFOLDS - 4 WAY

Part #	Alt Part #	Description
INM4-1/2	90644-1/2	1/2" - 1/2" 4 Way Manifold
INM4-3/4	90644-3/4	3/4" - 1/2" 4 Way Manifold

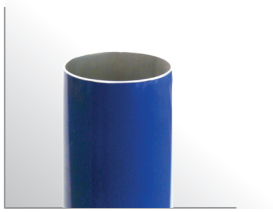


MANIFOLDS - PARALLEL HOLES

Part #	Alt Part #	Description
INM2	90647 1/2-3/8-2	1/2" X 3/8" 2 HOLE Manifold
INM3	90647 1/2-3/8-3	1/2" X 3/8" 3 HOLE Manifold

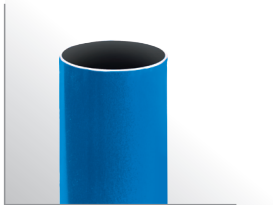
ø110 Piping System & Fittings

ø110



ALUMINIUM PIPES

Part #	Alt Part #	Description
IN110	90000 110	110mm X 4m Pipe BLUE



ALUMINIUM PIPES

Part #	Alt Part #	Description
IN110X6M	900006 110	110mm X 6m Pipe BLUE



ø110 COUPLING

Tube to tube

Part #	Alt Part #	Description
INC110	90040 110	110mm Coupling



ø110 ELBOW

Tube to tube

Part #	Alt Part #	Description
INE110	90130 110	110mm Elbow



ø110 TEE

Tube - Tube - Tube

Part #	Alt Part #	Description
INT110	90230 110	110mm Tee



ø110 FEMALE TEE

Tube to thread

Part #	Alt Part #	Description
INTF110-3/4	90236 110-3/4	110 X 3/4" Female Tee
INTF110-1	90236 110-1	110 X 1" Female Tee
INTF110-11/2	90236 110-11/2	110 X 11/2" Female Tee
INTF110-2	90236 110-2	110 X 2" Female Tee



ZERO CONDENSATE ø110 FEMALE TEE

Tube to thread

Part #	Alt Part #	Description
INTF110-3/4Z	902250 110-3/4	110 X 3/4" Female Tee

ø110 Piping System & Fittings

ø110



ø110 PLUG

Part #	Alt Part #	Description
INP110	90610 110	110mm Plug



ø110 FEMALE REDUCER

Part #	Alt Part #	Description
INFD-3/4	90630-3/4	110-3/4" Female Reducer
INFD-1	90630-1	110-1" Female Reducer
INFD-11/2	90630-1-1/2	110-11/2" Female Reducer
INFD-2	90630-2	110-2" Female Reducer



ø110 FLANGED TUBE

Part #	Alt Part #	Description
INFT110	90015 110	110mm Flanged Tube



ø110 FLAT GASKET

Part #	Alt Part #	Description
INGAS110	90017 110	Flat Gasket For Flange



ø110 FLANGE KIT

Part #	Alt Part #	Description
INFK110	90019 110	Flange Kit



ø110 BUTTERFLY VALVE

Part #	Alt Part #	Description
INBV110	90710 110	110 Butterfly Valve

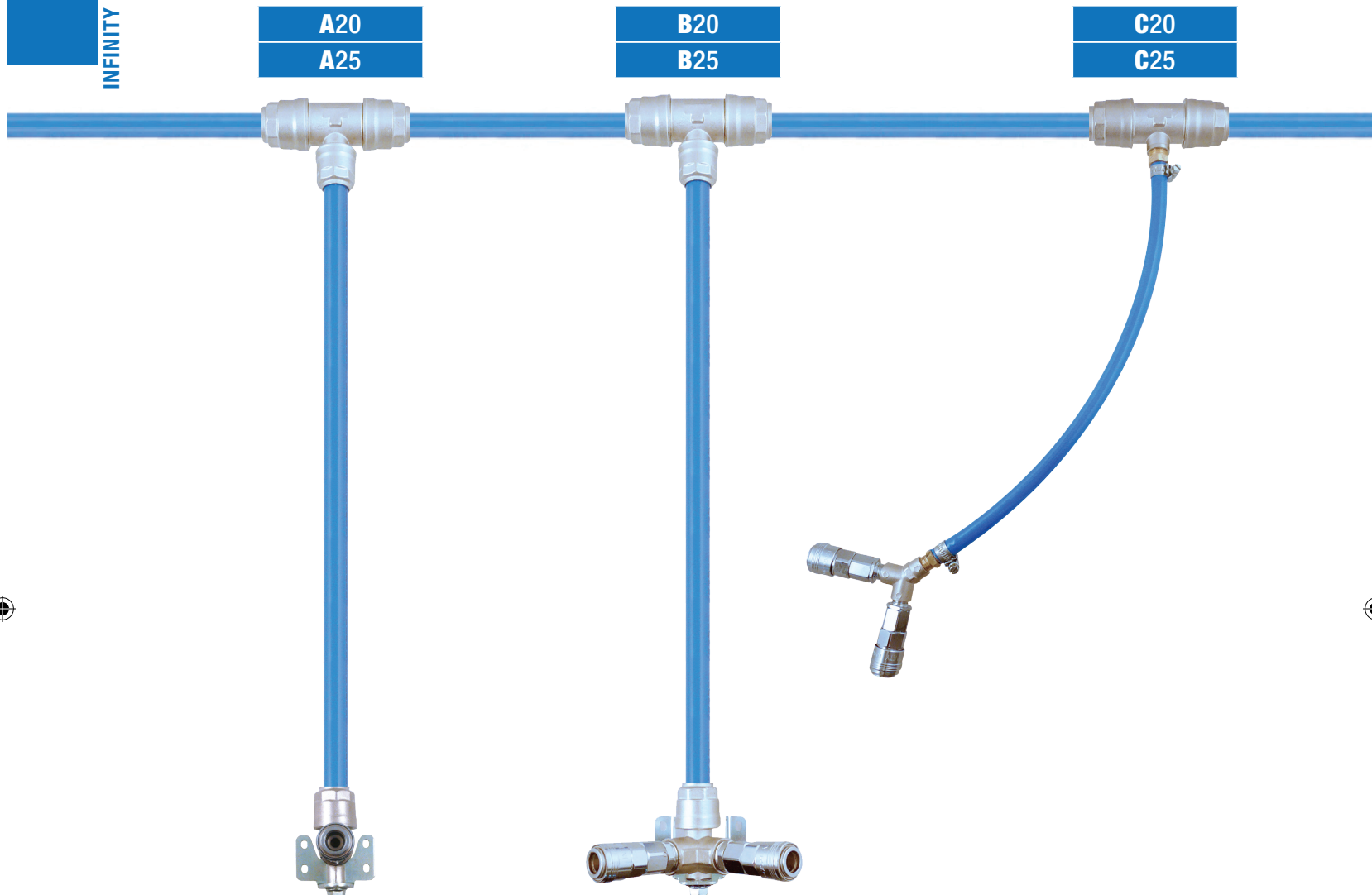


ø110 COLLAR

Part #	Alt Part #	Description
INCO110	90820 110	110mm Collar

Infinity Drop Leg Packages

*The following pages are used to demonstrate the most popular Infinity outlets. For simplicity, Infinity has standardized the outlets into one simple part number that includes all components. The most common drop legs are 20mm and 25mm as illustrated below. If a larger main line is required then simply substitute the tee listed above, for the size of the line required.



A20

20 mm drop x 25 mm mainline

A25

25 mm drop x 32 mm mainline

SINGLE MOUNTED OUTLET

Qty	Description	Part #(20)	Part #(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Lugged Elbow	INLE2012	INLE2520
1	Coupling	NSC-40SM	NSC-40SM
2	Clips	INCL20	INCL25

B20

20 mm drop x 25 mm mainline

B25

25 mm drop x 32 mm mainline

DOUBLE Y MOUNTED OUTLET

Qty	Description	Part #(20)	Part #(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Double Outlet	INM20-1/2"	INM25-1/2"
2	Couplings	NSC-40SM	NSC-40SM
2	Clips	INCL20	INCL25

C20

20 mm drop x 25 mm mainline

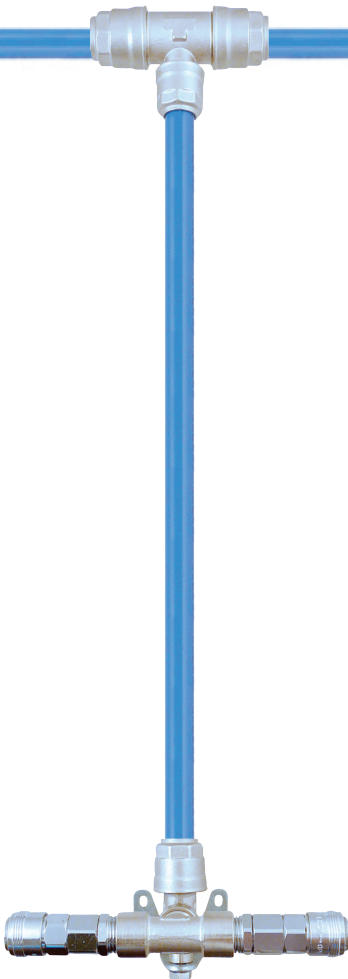
C25

25 mm drop x 32 mm mainline

SOFT DROP DOUBLE OUTLET

Qty	Description	Part #(20)	Part #(25)
3 m	Air Hose	PUB3/8	PUB1/2
1	Female Tee	INTF25 3/8	INTF32 1/2
2	Hose Adaptor	P3 3/8 x 3/8	P3 1/2 x 1/2
2	Hose Clips	M00	00
1	Y Adaptor	75 1/4	75 1/2
2	Couplings	NSC-20SM	NSC-40SM

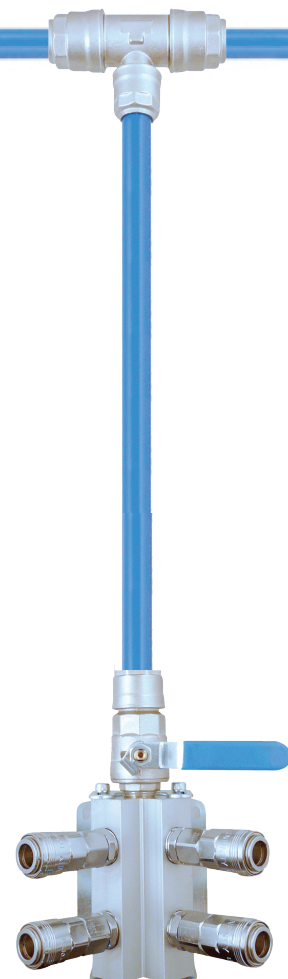
D20
D25



E20
E25



F20
F25

**D20**

20 mm drop x 25 mm mainline

D25

25 mm drop x 32 mm mainline

DOUBLE TEE MOUNTED OUTLET

Qty	Description	Part # (20)	Part # (25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Lugged Elbow	INLE2012	INLE2520
1	Centre Tee	36½	36½
1	Reducing Bush	24 3/4x1/2	24 3/4x1/2
2	Couplings	NSC-40SM	NSC-40SM
2	Clips	INCL20	INCL25

E20

20 mm drop x 25 mm mainline

E25

25 mm drop x 32 mm mainline

**Y MOUNTED DOUBLE OUTLET
MANIFOLD WITH HOSE REEL**

Qty	Description	Part # (20)	Part # (25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Female Tee	INTF20-3/8	INTF25-1/2
1	Hose Reel	HR1/4X15M	HR1/4X10M
1	Bush	24 3/8-1/4	24 3/8-1/4
1	Male Adaptor	INMA2012	INMA2520
1	Manifold	INM1/2-1/2	INM3/4-1/2
2	Couplings	NSC-40SM	NSC-40SM
2	Clips	INCL20	INCL25

F20

20 mm drop x 25 mm mainline

F25

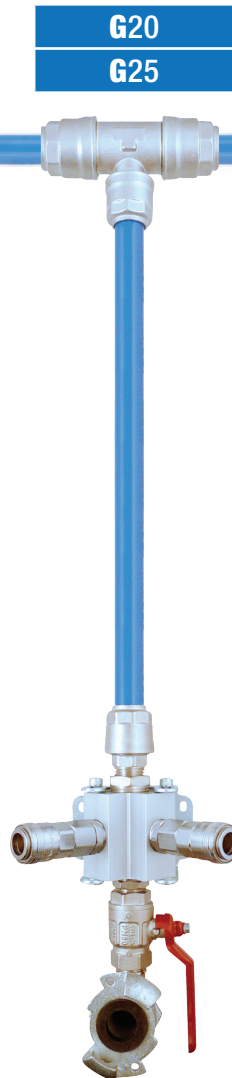
25 mm drop x 32 mm mainline

**4 WAY MOUNTED MANIFOLD
WITH BALL VALVE**

Qty	Description	Part # (20)	Part # (25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	In Line Ball Valve	INBV20-1/2	INBV25-3/4
1	4 Way Manifold	INM4-1/2	INM4-3/4
4	Couplings	NSC-40SM	NSC-40SM
2	Clips	INCL20	INCL25

Infinity Drop Leg Packages

*The following pages are used to demonstrate the most popular Infinity outlets. For simplicity, Infinity has standardized the outlets into one simple part number that includes all components. The most common drop legs are 20mm and 25mm as illustrated below. If a larger main line is required then simply substitute the tee listed above, for the size of the line required.



G20

20 mm drop x 25 mm mainline

G25

20 mm drop x 25 mm mainline

**DOUBLE MOUNTED MANIFOLD
WITH BALL VALVE AND MINSUP COUPLING**

Qty	Description	Part #(20)	Part #(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Male Adaptor	INMA2012	INMA2520
1	Manifold	INM1/2-1/2	INM3/4-1/2
2	Couplings	NSC-40SM	NSC-40SM
1	Nipple	27 1/2	27 3/4
1	Ball Valve	1/2B/V	3/4B/V
1	M & F Elbow	25 1/2	25 3/4
1	Minsup Coupling	AM012	AM020
2	Clips	INCL20	INCL25



H20

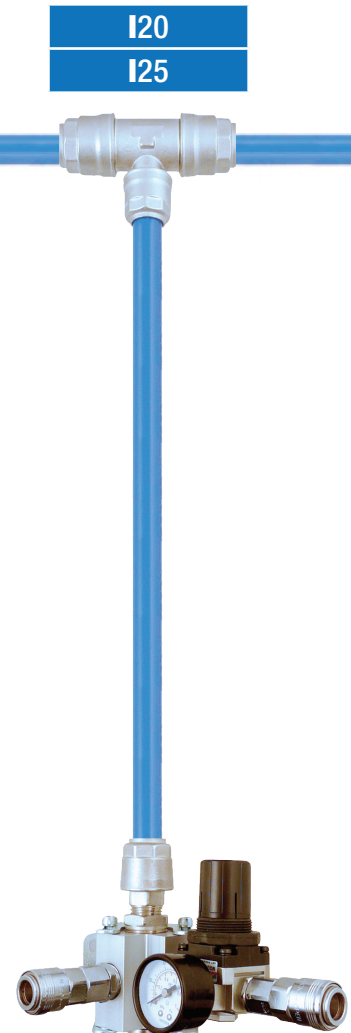
20 mm drop x 25 mm mainline

H25

20 mm drop x 25 mm mainline

**DOUBLE MOUNTED MANIFOLD
WITH LOCKABLE ISOLATION VALVE**

Qty	Description	Part #(20)	Part #(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Male Adaptor	INMA2012	INMA2520
1	Shut Off Valve	HVHS4000-04	HVHS5000-06
1	Nipple	27 1/2	27 3/4
1	Manifold	INM1/2-1/2	INM3/4-1/2
2	Couplings	NSC-40SM	NSC-40SM
2	Clips	INCL20	INCL25



I20

20 mm drop x 25 mm mainline

I25

25 mm drop x 32 mm mainline

**DOUBLE MOUNTED MANIFOLD
WITH SINGLE REGULATOR**

Qty	Description	Part #(20)	Part #(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Male Adaptor	INMA2012	INMA2520
1	Manifold	INM1/2-1/2	INM3/4-1/2
1	Coupling	NSC-40SM	NSC-40SM
1	Coupling	NSC-20SM	NSC-20SM
1	Regulator	AR2000-02	AR2000-02
1	Reducing Nipple	73 1/2-1/4	73 1/2-1/4
2	Clips	INCL20	INCL25

J20**J25****K20****K25****L20****L25****J20**

20 mm drop x 25 mm mainline

J25

25 mm drop x 32 mm mainline

**DOUBLE MOUNTED
PARALLEL MANIFOLD**

Qty	Description	Part #(20)	Part #(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Adaptor	INMA2012	INFA2520
1	Manifold	INM2	INM2
1	Nipple	N/A	73 1/2-3/4
1	Socket	N/A	26 1/2
2	Coupling	NSC-30SM	NSC-30SM
2	Clips	INCL20	INCL25

K20

20 mm drop x 25 mm mainline

K25

25 mm drop x 32 mm mainline

**TRIPLE MOUNTED PARALLEL
MANIFOLD**

Qty	Description	Part #(20)	Part #(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Adaptor	INMA2012	INFA2520
1	Manifold	INM3	INM3
1	Nipple	N/A	73 1/2-3/4
1	Socket	N/A	26 1/2
3	Coupling	NSC-30SM	NSC-30SM
2	Clips	INCL20	INCL25

L20

20 mm drop x 25 mm mainline

L25

25 mm drop x 32 mm mainline

**SOFT DROP RECOIL HOSE
SINGLE OUTLET**

Qty	Description	Part #(20)	Part #(25)
1	FEMALE TEE	INTF2X3/8	INTF20X1/2
1	RECOIL HOSE	PURC1/4X10M	PURC1/4X10M
1	REDUCING BUSH	24 3/8-1/4	24 1/2-1/4
1	COUPLING	NSC-20SF	NSC-20SF

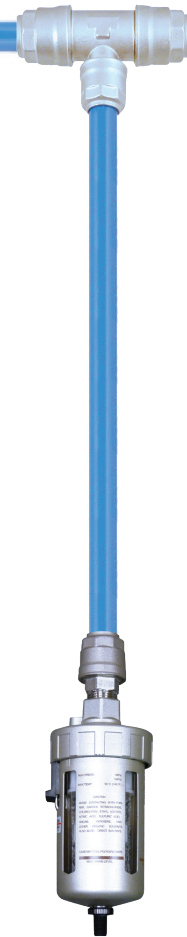
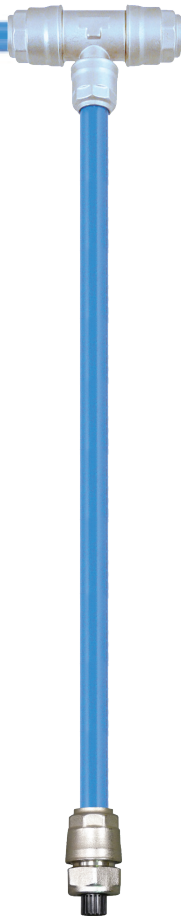
Infinity Drip Leg Drain Packages

*The following pages are used to demonstrate the most popular Infinity outlets. For simplicity, Infinity has standardized the outlets into one simple part number that includes all components. The most common drop legs are 20mm and 25mm as illustrated below. If a larger main line is required then simply substitute the tee listed above, for the size of the line required.

M20
M25

N20
N25

O20
O25



M20

20 mm drop x 25 mm mainline

M25

20 mm drop x 25 mm mainline

TWIST DRIPLEG DRAIN OUTLET

Qty	Description	Part #(20)	Part #(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Dripleg Drain	INDLD20	INDLD25
2	Clips	INCL20	INCL25

N20

20 mm drop x 25 mm mainline

N25

20 mm drop x 25 mm mainline

BALL VALVE MOUNTED OUTLET

Qty	Description	Part #(20)	Part #(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Male Adaptor	INMA2012	INMA2520
1	Ball Valve Coupling	1/2 BV	3/4 BV
2	Clips	INCL20	INCL25

O20

20 mm drop x 25 mm mainline

O25

25 mm drop x 32 mm mainline

AUTODRAIN OUTLET

Qty	Description	Part #(20)	Part #(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing Tee	INRT2520	INRT3225
1	Male Adaptor	INMA2012	INFA2520
1	Auto Drain	HAD402-04	HAD402-04
1	Reducing Nipple	-	73 3/4-1/2
2	Clips	INCL20	INCL25

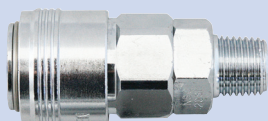
*Please note you will need to spin **Zero Condensate** tees insert to enable condensate to flow into drain valve, for further information please contact your local Infinity distributor.

Couplings & Plugs: NSC SERIES

NSC SERIES



The NSC series coupling is a precision CNC machined steel coupling complete with nickel plating. Designed for industrial use, the NSC coupling offers a simple one touch quick disconnect system and peace of mind via the locking safety release collar. Available in a full range of swivel options this is the ideal coupling for any workshop.



ONE TOUCH SWIVEL MALE COUPLING

Steel with Nickel plating, Lockable

Part #	Description
NSC-20SM	1/4" Male Coupling
NSC-30SM	3/8" Male Coupling
NSC-40SM	1/2" Male Coupling



ONE TOUCH SWIVEL FEMALE COUPLING

Steel with Nickel plating, Lockable

Part #	Description
NSC-20SF	1/4" Female Coupling



BARBED COUPLING

Steel with Nickel plating

Part #	Description
NSC-20SH	1/4" Barbed Coupling
NSC-30SH	3/8" Barbed Coupling
NSC-40SH	1/2" Barbed Coupling



ONE TOUCH SWIVEL COMPRESSION COUPLING

Steel with Nickel plating, Lockable

Part #	Description
NSC-30SP	Nut & Hose Barb Coupling

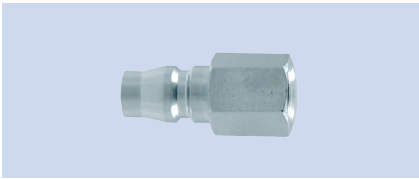


INFINITY MALE PLUG

Steel with Nickel plating

Part #	Description
NP20M	1/4" Male Plug (NP)
NP40M	1/2" Male Plug (NP)

Couplings & Plugs: NSC SERIES



INFINITY FEMALE PLUG

Steel with Nickel plating

Part #	Description
NP20F	1/4" Female Plug (NP)



HOSE PLUG

Steel with Nickel plating

Part #	Description
NP20H	1/4" Hose Plug (NP)
NP30H	3/8" Hose Plug (NP)
NP40H	1/2" Hose Plug (NP)



HOSE PLUG

Steel with Nickel plating

Part #	Description
NP30P	1/4" Hose Plug (SP)

Couplings & Plugs: SE ALUMINIUM SERIES

SE ALUMINIUM SERIES

The SE series Coupling is a light weight alternative to the NSC series. Manufactured from aircraft grade aluminum, this coupling offers simple one touch operation and is Ideal for applications where weight could be a problem, such as tool connections and hose ends.



ONE TOUCH HIGH FLOW MALE COUPLING

High quality lightweight Aircraft Aluminium.

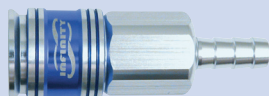
Part #	Description
SE-AM-202	1/4" One Touch Male Coupling
SE-AM-203	3/8" One Touch Male Coupling
SE-AM-204	1/2" One Touch Male Coupling



ONE TOUCH HIGH FLOW FEMALE COUPLING

High quality lightweight Aircraft Aluminium

Part #	Description
SE-AF-202	1/4" One Touch Female Coupling



ONE TOUCH HIGH FLOW HOSE BARB COUPLING

High quality lightweight Aircraft Aluminium

Part #	Description
SE-AH-203	3/8" One Touch Hose Barb Coupling
SE-AH-204	1/2" One Touch Hose Barb Coupling



INFINITY MALE PLUG

Steel with Nickel plating

Part #	Description
NP20M	1/4" Male Plug (NP)
NP40M	1/2" Male Plug (NP)



INFINITY FEMALE PLUG

Steel with Nickel plating

Part #	Description
NP20F	1/4" Female Plug (NP)



HOSE PLUG

Steel with Nickel plating

Part #	Description
NP20H	1/4" Hose Plug (NP)
NP30H	3/8" Hose Plug (NP)
NP40H	1/2" Hose Plug (NP)

Couplings & Plugs: 200 STAINLESS STEEL SERIES

200 STAINLESS STEEL SERIES

The 200 series X-flow coupling is a premium Quality coupling both in material and design. Complete stainless steel construction throughout combined with the unique x flow valve design, means this coupler offers greater flow compared to that of identical models, with the added value of exceptional life expectancy in the most extreme conditions.



ONE TOUCH HIGH FLOW MALE COUPLING

High quality lightweight Stainless Steel

Part #	Description
HSM-202XL	1/4" One Touch Male Coupling
HSM-203XL	3/8" One Touch Male Coupling
HSM-204XL	1/2" One Touch Male Coupling



ONE TOUCH HIGH FLOW FEMALE COUPLING

High quality lightweight Stainless Steel

Part #	Description
HSF-202XL	1/4" One Touch Female Coupling



ONE TOUCH HIGH FLOW BARB COUPLING

High quality lightweight Stainless Steel

Part #	Description
HSH-202X	1/4" One Touch Barb Coupling
HSH-203X	3/8" One Touch Barb Coupling
HSH-204X	1/2" One Touch Barb Coupling

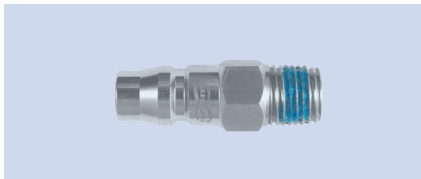


ONE TOUCH HIGH FLOW BARB SWIVEL COUPLING

High quality Stainless Steel

Part #	Description
HSH-SW-202X	1/4" One Touch Barb Swivel Coupling
HSH-SW-203X	3/8" One Touch Barb Swivel Coupling
HSH-SW-204X	1/2" One Touch Barb Swivel Coupling

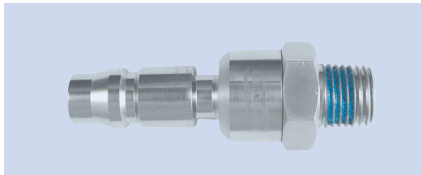
Couplings & Plugs: 200 STAINLESS STEEL SERIES



HIGH FLOW MALE PLUG

High quality Stainless Steel

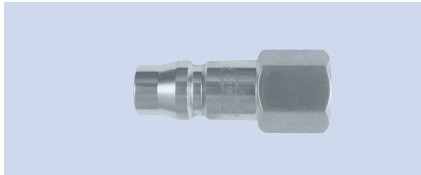
Part #	Description
HPM-502X	1/4" Male Plug
HPM-504X	1/2" Male Plug



HIGH FLOW MALE SWIVEL PLUG

High quality Stainless Steel

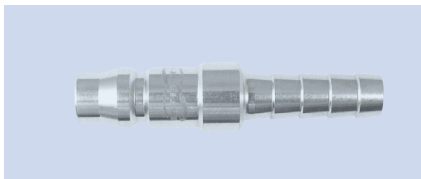
Part #	Description
HPM-SW-502X	1/4" Male Swivel Plug
HPM-SW-503X	3/8" Male Swivel Plug



HIGH FLOW FEMALE PLUG

High quality Stainless Steel

Part #	Description
HPF-602X	1/4" Female Plug



HIGH FLOW HOSE PLUG BARB

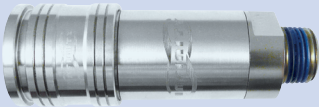
High quality Stainless Steel

Part #	Description
HPH-702X	1/4" Hose Barb Plug
HPH-703X	3/8" Hose Barb Plug
HPH-704X	1/2" Hose Barb Plug

Couplings & Plugs: 300 STAINLESS STEEL SERIES

300 STAINLESS STEEL SERIES

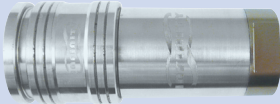
The 300 Series X- flow coupling is a premium coupling that offers the largest flow of any Infinity coupling in excess of 100 cfm. Its complete stainless steel construction and unique x-flow valve and locking safety collar, offer the ideal modern alternative to the minsup or claw coupling.



X-FLOW ONE TOUCH MALE COUPLING

Lockable, Body size 1/2" High quality Stainless Steel

Part #	Description
HSM-304XL	1/2" One Touch Lockable Male Coupling



X-FLOW ONE TOUCH FEMALE COUPLING

Lockable, Body size 1/2" High quality Stainless Steel

Part #	Description
HSF-304XL	1/2" One Touch Lockable Female Coupling



ONE TOUCH X-FLOW BARB SWIVEL COUPLING

Body size 1/2" High quality Stainless Steel

Part #	Description
HSW-SW-304X	1/2" One Touch Barb Swivel Coupling Body 1/2"
HSW-SW-305X	3/4" One Touch Barb Swivel Coupling Body 1/2"



X-FLOW MALE SWIVEL PLUG

Body size 1/2" High quality Stainless Steel

Part #	Description
HPM-SW-702X	1/2" Male Swivel Plug Body 1/2"
HPM-SW-802X	3/4" Male Swivel Plug Body 1/2"



X-FLOW FEMALE SWIVEL PLUG

Body size 1/2" High quality Stainless Steel

Part #	Description
HPF-SW-702X	1/2" Female Plug Swivel 1/2" Body
HPF-SW-802X	3/4" Female Plug Swivel 1/2" Body

Adaptors



REDUCING BUSHES

Part #	Alt Part #	Description
24 1/4x1/8	2080 1/4-1/8	1/4" X 1/8" Reducing Bush
24 3/8x1/8	2080 3/8-1/8	3/8" X 1/8" Reducing Bush
24 3/8x1/4	2080 3/8-1/4	3/8" X 1/4" Reducing Bush
24 1/2x1/4	2080 1/2-1/4	1/2" X 1/4" Reducing Bush
24 1/2x3/8	2080 1/2-3/8	1/2" X 3/8" Reducing Bush
24 3/4x3/8	2080 3/4-3/8	3/4" X 3/8" Reducing Bush
24 3/4x1/2	2080 3/4-1/2	3/4" X 1/2" Reducing Bush
24 1x1/2	2080 1-1/2	1" X 1/2" Reducing Bush
24 1x3/4	2080 1-3/4	1" X 3/4" Reducing Bush
24 1 1/4x3/4	2080 1 1/4-3/4	1 1/4" X 3/4" Reducing Bush
24 1 1/2x1	2080 1 1/2-1	1 1/2" X 1" Reducing Bush
24 2x1	2080 2X1	2" X 1" Reducing Bush



MALE/FEMALE ELBOWS

Part #	Alt Part #	Description
25 1/4	5020 1/4	1/4" M & F Elbow
25 1/2	5020 1/2	1/2" M & F Elbow
25 3/4	5020 3/4	3/4" M & F Elbow



SOCKETS

Part #	Alt Part #	Description
26 1/8	3000 1/8	1/8" Socket
26 1/4	3000 1/4	1/4" Socket
26 3/8	3000 3/8	3/8" Socket
24 1/2	3000 1/2	1/2" Socket
26 3/4	3000 3/4	3/4" Socket



NIPPLES

Part #	Alt Part #	Description
27 1/8	2000 1/8	1/8" Nipple
27 1/4	2000 1/4	1/4" Nipple
27 3/8	2000 3/8	3/8" Nipple
27 1/2	2000 1/2	1/2" Nipple
27 3/4	2000 3/4	3/4" Nipple
27 1	2000 1	1" Nipple

Adaptors



FEMALE ELBOWS

Part #	Alt Part #	Description
34 1/4	5010 1/4	1/4" Female Elbow
34 1/2	5010 1/2	1/2" Female Elbow
34 3/4	5010 3/4	3/4" Female Elbow



TEES - FEMALE

Part #	Alt Part #	Description
35 1/4	4000 1/4	1/4" Tee Female
35 3/8	4000 3/8	3/8" Tee Female
35 1/2	4000 1/2	1/2" Tee Female
35 3/4	4000 3/4	3/4" Tee Female
35 1	4000 1	1" Tee Female



TEES - MALE

Part #	Alt Part #	Description
36 1/4	4040 1/4	1/4" Male Centre Tee
36 1/2	4040 1/2	1/2" Male Centre Tee



PLUGS

Part #	Alt Part #	Description
64 1/8	3020 1/8	1/8" Plug
64 1/4	3020 1/4	1/4" Plug
64 3/8	3020 3/8	3/8" Plug
64 1/2	3020 1/2	1/2" Plug
64 3/4	3020 3/4	3/4" Plug
64 1	3020 1	1" Plug



REDUCING NIPPLES

Part #	Alt Part #	Description
73 1/4x1/8	2020 1/8-1/4	1/4" X 1/8" Reducing Nipple
73 3/8x1/8	2020 1/8-3/8	3/8" X 1/8" Reducing Nipple
73 3/8x1/4	2020 1/4-3/8	3/8" X 1/4" Reducing Nipple
73 1/2x1/4	2020 1/4-1/2	1/2" X 1/4" Reducing Nipple
73 1/2x3/8	2020 3/8-1/2	1/2" X 3/8" Reducing Nipple
73 3/4x1/2	2020 1/2-3/4	3/4" X 1/2" Reducing Nipple
73 1x3/4	2020 3/4-1	1" X 3/4" Reducing Nipple

Adaptors



FEMALE Y PIECES

Part #	Alt Part #	Description
75 1/4	6010 1/4	1/4" Female Y
75 1/2	6010 1/2	1/2" Female Y



MALE Y PIECES

Part #	Alt Part #	Description
77 1/4	6000 1/4	1/4" Male Y
77 1/2	6000 1/2	1/2" Male Y



MALE/FEMALE CROSS

Part #	Alt Part #	Description
6025 1/2	6025 1/2	1/2" M & F Cross



ORIENTING NIPPLES

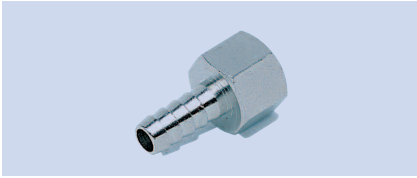
Part #	Alt Part #	Description
2110 1/4	2110 1/4	Orienting Nipple



HOSE ADAPTOR - MALE

Part #	Alt Part #	Description
P3 1/4X1/4	3040 6X1/4	1/4" X 1/4" Hose Adaptor Male
P3 1/4X3/8	3040 6X3/8	1/4" X 3/8" Hose Adaptor Male
P3 3/8X1/4	3040 10X1/4	3/8" X 1/4" Hose Adaptor Male
P3 3/8X3/8	3040 10-3/8	3/8" X 3/8" Hose Adaptor Male
P3 3/8X1/2	3040 10-1/2	3/8" X 1/2" Hose Adaptor Male
P3 1/2X1/4	3040 12-1/4	1/2" X 1/4" Hose Adaptor Male
P3 1/2X3/8	3040 12-3/8	1/2" X 3/8" Hose Adaptor Male
P3 1/2X1/2	3040 12-1/2	1/2" X 1/2" Hose Adaptor Male
P3 3/4X1/2	3040 20-1/2	3/4" X 1/2" Hose Adaptor Male
P3 3/4X3/4	3040 20-3/4	3/4" X 3/4" Hose Adaptor Male
P3 1X3/4	3040 25-3/4	1" X 3/4" Hose Adaptor Male
P3 1X1	3040 25-1	1" X 1" Hose Adaptor Male

Adaptors



HOSE ADAPTOR - FEMALE

Part #	Alt Part #	Description
P10 1/4X1/4	3050 7-1/4	1/4" X 1/4" Hose Adaptor Female
P10 3/8X1/4	3050 9-1/4	3/8" X 1/4" Hose Adaptor Female
P10 1/2X1/2	3050 12-1/2	1/2" X 1/2" Hose Adaptor Female



FEMALE MINI BALL VALVES

Part #	Alt Part #	Description
1/4 MBV	6400 1/4	1/4" Female Ball Valve
1/2 MBV	6400 1/2	1/2" Female Ball Valve
3/4 MBV	6400 3/4	3/4" Female Ball Valve



MALE/FEMALE BALL VALVES

Part #	Alt Part #	Description
1/4 mFBV	6410 1/4	1/4" M & F Ball Valve
1/2 mFBV	6410 1/2	1/2" M & F Ball Valve
3/4 mFBV	6410 3/4	3/4" M & F Ball Valve



STANDARD FULL FLOW BALL VALVES

Part #	Alt Part #	Description
1/2 BV	1/2 BV	1/2" Female Ball Valve
3/4 BV	3/4 BV	3/4" Female Ball Valve
1 BV	1 BV	1" Female Ball Valve
1 1/4 BV	1 1/4 BV	1 1/4" Female Ball Valve
1 1/2 BV	1 1/2 BV	1 1/2" Female Ball Valve
2 BV	2 BV	2" Female Ball Valve



LOCKABLE ISOLATION VALVE

With Exhaust

Part #	Description
HVHS2000-01-X1	G 1/8 Lock Isolation Valve
HVHS2000-02-X1	G 1/4 Lock Isolation Valve
HVHS3000-02-X1	G 1/4 Lock Isolation Valve
HVHS3000-03-X1	G 3/8 Lock Isolation Valve
HVHS4000-04-X1	G 1/2 Lock Isolation Valve

Accessories



INFINITY RETRACTABLE HOSE REEL

The Infinity industrial hose reel, offers easy and safe delivery of compressed air. The fully enclosed all metal case is UV resistant and fitted with a heavy duty spring and swivel elbow. Complete with rotational mounting bracket this compact lightweight, retractable hose reel is suitable for any workshop and complements the Infinity range.

Part #	Description
HR1/4X15M	1/4" Retractable Air Hose Reel 15m
HR3/8X10M	3/8" Retractable Air Hose Reel 10m



POLYURETHANE HOSE

Lightweight, abrasive resistant, high flow, greater flexibility, high resistant to UV, oils greases and fuels.

Part #	Description
1/4"	
PUB1/4X20M	1/4" (ID) Braided Air Hose 20m
PUB1/4X50M	1/4" (ID) Braided Air Hose 50m
PUB1/4X100M	1/4" (ID) Braided Air Hose 100m
PUB1/4X200M	1/4" (ID) Braided Air Hose 200m
3/8"	
PUB3/8X20M	3/8" (ID) Braided Air Hose 20m
PUB3/8X50M	3/8" (ID) Braided Air Hose 50m
PUB3/8X100M	3/8" (ID) Braided Air Hose 100m
PUB3/8X200M	3/8" (ID) Braided Air Hose 200m
1/2"	
PUB1/2X20M	1/2" (ID) Braided Air Hose 20m
PUB1/2X50M	1/2" (ID) Braided Air Hose 50m
PUB1/2X100M	1/2" (ID) Braided Air Hose 100m
PUB1/2X200M	1/2" (ID) Braided Air Hose 200m



INFINITY INDUSTRIAL RUBBER HOSE

Used for heavy duty industrial applications.

Part #	Description
RUB3/8x20m	Infinity Industrial Rubber Hose 3/8" ID
RUB1/2x20m	Infinity Industrial Rubber Hose 1/2" ID
RUB3/4x20m	Infinity Industrial Rubber Hose 3/4" ID
RUB1x20m	Infinity Industrial Rubber Hose 1" ID



POLYURETHANE RECOIL HOSE

Exceptional wear and kink resistant, heavy duty swivel fitting complete with reinforced spring.

Part #	Description
PURC1/4X5M	1/4" ID Recoil Hose 5m
PURC1/4X7.5M	1/4" ID Recoil Hose 7.5m
PURC1/4X10M	1/4" ID Recoil Hose 10m

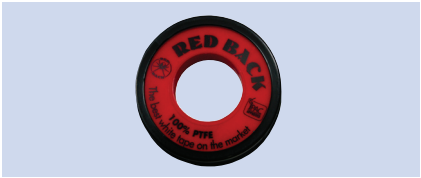
Accessories



WONDER JUICE

High pressure Compressed Air Sealant

Part #	Description
RED408	Wonder Juice 50ml Tube



THREAD TAPE

Compressed Air thread tape

Part #	Description
RED409	Plumbers Tape 7m Length Roll



TOOL FOR SADDLE CLAMP CONNECTOR

Part #	Alt Part #	Description
INSC32-40	90241 32-40	Tool For Saddle Clamp Connector
INSC50-63	90241 50-63	Tool For Saddle Clamp Connector



DRILLING RIG

Part #	Alt Part #	Description
INDR32	90242-32	Drilling Rig For 32mm
INDR40	90242-40	Drilling Rig For 40mm
INDR50	90242-50	Drilling Rig For 50mm
INDR63	90242-63	Drilling Rig For 63mm

Filters/Regulators/Lubricators

FILTERS

Infinity filters remove oil and water vapor produced by the compressor, the range includes standard Filter regulators and lubricators for points of use, and larger Infinity industrial filters for Main line applications.



FILTER REGULATORS

Complete with bracket and gauge.

Part #	Description
HNAW2000-02M	1/4" Filter Reg Metal Bowl
HNAW3000-02M	1/4" Filter Reg Metal Bowl
HNAW4000-04M	1/2" Filter Reg Metal Bowl
HNAW5000-06M	3/4" Filter Reg Metal Bowl
AW3000-02	1/4" Filter Reg
AW3000-02D	1/4" Filter Reg Auto Drain
AW3000-03	3/8" Filter Reg Metal Bowl Auto Drain
AW4000-04	1/2" Filter Reg
AW5000-06	3/4" Filter Reg
AW5000-10	1" Filter Reg



REGULATORS

Complete with bracket and gauge.

Part #	Description
AR2000-02	1/4" Regulator with Gauge
AR3000-02	1/4" Regulator with Gauge
AR4000-04	1/2" Regulator with Gauge
AR5000-06	3/4" Regulator with Gauge



FILTERS

Complete with bracket.

Part #	Description
HNAF2000-02M	1/4" Filter (MCUP)
AF3000-02	1/4" Filter with Bracket
AF3000-03	3/8" Filter with Bracket
AF4000-04	1/2" Filter with Bracket
AF5000-06	3/4" Filter with Bracket

Filters/Regulators/Lubricators



LUBRICATORS

Complete with bracket.

Part #	Description
AL3000-02	1/4" Lubricator with Bracket
AL4000-04	1/2" Lubricator with Bracket
AL5000-06	3/4" Lubricator with Bracket



AUTO-DRAINS

Part #	Description
HAD402-04	1/2" Auto Drain



AUTO-DRAINS

Part #	Description
TDAD-125	1/2" Auto Drain



AUTO-DRAIN FLOAT KITS

Part #	Description
ZDFS3000	Auto Drain 3000 Float Kit
ZDFS4000	Auto Drain 4000/5000 Float Kit



INDUSTRIAL PRE-FILTERS

Part #	Description
TXF15A-320	1/2" 5 Micron Filter
TXF20A-320	3/4" 5 Micron Filter
TXF25A-320	1" 5 Micron Filter
TXF40A-320	1 1/2" Micron Filter



COALESCING FILTERS

Part #	Description
TXF15A-130	1/2" 0.01 Micron Filter
TXF20A-130	3/4" 0.01 Micron Filter
TXF25A-130	1" 0.01 Micron Filter
TXF40A-130	1 1/2" 0.01 Micron Filter

Filters/Regulators/Lubricators



PRE-FILTER ELEMENTS

Part #	Description
TXE15A-310	1/2" 1 Micron Element
TXE15A-320	1/2" 5 Micron Element
TXE20A-320	3/4" 5 Micron Element
TXE25A-310	1" 1 Micron Element
TXE25A-320	1" 5 Micron Element
TXE40A-310	1 1/2" 1 Micron Element



COALESCING ELEMENTS

Part #	Description
TXE15A-130	1/2" 0.01 Micron Element
TXE20A-130	3/4" 0.01 Micron Element
TXE25A-130	1" 0.01 Micron Element
TXE40A-130	1 1/2" 0.01 Micron Element



ABSORPTION ELEMENTS

Activated Carbon

Part #	Description
TXE15A-150	1/2" Absorb Element
TXE20A-150	3/4" Absorb Element
TXE25A-150	1" Absorb Element
TXE40A-150	1 1/2" Absorb Element



LOCKABLE ISOLATION VALVE

With Exhaust

Part #	Description
HVHS2000-01-X1	G 1/8 Lock Isolation Valve
HVHS2000-02-X1	G 1/4 Lock Isolation Valve
HVHS3000-02-X1	G 1/4 Lock Isolation Valve
HVHS3000-03-X1	G 3/8 Lock Isolation Valve
HVHS4000-04-X1	G 1/2 Lock Isolation Valve

Fixings



CLIPS

Part #	Alt Part #	Description
INCL20	PCC-20	20mm Clips
INCL25	PCC-25	25mm Clips
INCL32	PCC-32	32mm Clips
INCL40	PCC-40	40mm Clips
INCL50	PCC-50	50mm Clips
INCL63	PCC-63	63mm Clips



COLLARS

Part #	Alt Part #	Description
INC020	90820 20	20mm Collar
INC025	90820 25	25mm Collar
INC032	90820 32	32mm Collar
INC040	90820 40	40mm Collar
INC050	90820 50	50mm Collar
INC063	90820 63	63mm Collar



H CLAMP

Cable Ties

Part #	Description	Box Qty
170020	3-8mm Beam Clamp	100
170030	8-14mm Beam Clamp	100
170040	14-20mm Beam Clamp	100



H CLAMP

Threaded Rod

Part #	Description	Box Qty
175000	3-8mm Beam Clamp (M10)	100
175010	8-14mm Beam Clamp (M10)	100
175020	14-20mm Beam Clamp (M10)	100



BOLT ON CAMP

Threaded Rod

Part #	Description	Box Qty
386820	Beam Clamp (M10)	100



M10 THREADED ROD

Part #	Description
3TFZ10	3 m x M10 Threaded Rod



SIDE HANGER FOR STEEL

Part #	Description	Box Qty
28100	25 mm M10 x 1/4 with Nut	100



VERTICAL HANGER FOR STEEL

Part #	Description	Box Qty
28008	25 mm M10 x 1/4 with Nut	100



VERTICAL HANGER FOR CONCRETE

Part #	Description	Box Qty
28084	38 mm M10 x 6.5 with Nut	100



TECH SCREW

with NEO GALVANISED

Part #	Description	Box Qty
SD12045MHBN	12G x 45 mm with NG	1000



KNOCK IN

Part #	Description	Box Qty
TNM450	6.5 x 50 mm	100



SOCKET DRIVER (STEEL HANGER)

Part #	Description	Box Qty
7187	M10 Socket Driver	5



SOCKET DRIVER (CONCRETE HANGER)

Part #	Description	Box Qty
7197	M10 Socket Driver	5



BRACKET

Part #	Alt Part #	Description
INBRACKET	90830	225 mm

INFINITY | Safety Certifications



Infinity products meet the technical requirements of AS4041 and are certified to:

- Aluminum Tube - UNI 9921-DIN 50939-ASTMD 1730 UNI 9983-BS6496.
- Tensile Test - NORMA UNI-EN 1254-2:2000
- Fittings - OT UNI EN 12165 CW 617A AISI 304
- Pressure Directive - 97/23/CE ART.3.3 -0.99 to +15 BAR /-29.6+220 PSI
- Temperature Directive - 97/23/CE ART.3.3 -20C +80C
- Saltwater Spraying - Conducted to Standard ASTM B117-03
- Resistance to - Mineral & Synthetic Compressor Lubricants
 - Ultraviolet Rays
 - Environmental Weather Conditions
 - Mechanical Shocks

INFINITY PIPING WORKSHEET

CHECK LIST

CUSTOMER NAME																	
QUESTIONS	ANSWERS															✓	
What is air requirement:																	
Compressor Make:																	
Compressor Model:																New	
																Existing	
Compressor Size:	Kw															CFM	
Future expansion plans allowance:																	
Total CFM Required:																	
Ring main specifications: (M)																	
Total ring main Length: <i>Including Cross Struts</i>																	
Ring Main furthest point from compressor:																	
Pipe Size (mm): <i>Use Graph to Calculate</i>																	
Ring Main Height from ground surface:																	
Fixing type: <i>Clipped/ Suspended</i>																	
Fixed to: <i>Concrete/metal/timber</i>																	
Dropper Specifications Prices based on dropper height of 4 metre or less & standard NSC Infinity Coupling																	
Type:	A20	B20	C20	D20	E20	F20	G20	H20	I20	J20	K20	L20	M20	N20	O20		
Number:																	
Type:	A25	B25	C25	D25	E25	F25	G25	H25	I25	J25	K25	L25	M25	N25	O25		
Number:																	
Variation to droppers:																	
Couplings																	
Type:																Qty	
Filtration Required																	
Refridgerated dryer:	Model						Size						Not Required				
Filter Sizes:	Pre				Coalesc.			Carbon				Not Required					

The following pages are of “The Infinity Piping Worksheet” which is designed to correctly size pipe.
These questions are necessary to enable a professional and accurate quotation.

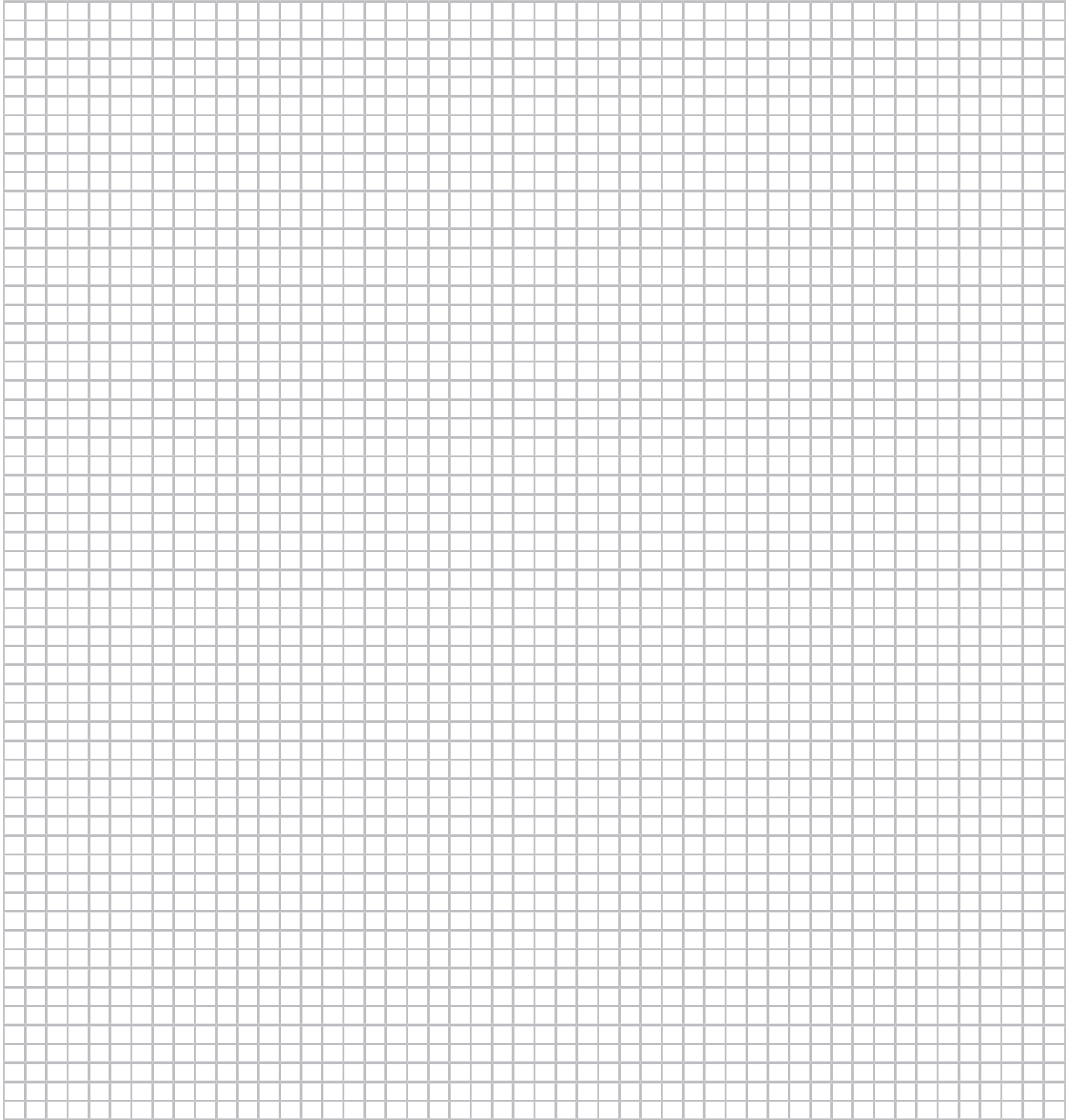
***Please note this worksheet is also available from your local Infinity Distributor.**



QUESTIONS	ANSWERS					✓
Accessories						
Hose Reel	Qty		Size			
Self Store Hose	Qty		Size			
Filter Regs	Qty		Size			
Lubricators	Qty		Size			
Site Details						
Company Name:				New		
				Existing		
Site Address:						
Site Contact:				Tel		
Building:	New		Existing		Site plans	Y / N
Photos:	Site		Compressor Area			
Power on Site	YES		NO			
Additional Equipment required – scissor lift/ boom/ladders?				Supplied by:		
				Us / Them		
Other Site Details: - Any Visible complications - eg. Buzz bars/access due to machinery and work stations/ suspended ceilings/etc.						
Will there be any change to work environment when job starts?						
Time Frame						
Date Quotation Required:						
Date Commencement Required						
Date Completion Required:						

INFINITY | INFINITY PIPING WORKSHEET

SITE PLAN



NOTE

Blank area for notes.



INFINITY | CONVERSIONS

Compressed Air Conversion Factors

VOLUME										
cu ft/min	1	2.5	5	6	8	10	12	15	30	40
l/min	28.32	70.8	141.5	170	227	283	340	425	850	1133

PRESSURE										
psi	10	20	30	40	50	60	70	80	90	100
bar	0.69	1.38	2.07	2.76	3.45	4.14	4.83	5.52	6.2	6.89
kPa	69	138	207	276	344	414	483	552	620	689

MULTIPLY	BY	TO OBTAIN
bar	14.7	psi
psi	0.06895	bar
psi	6.895	kPa (kilopascal)
kg/cm ²	14.23	psi
cu ft/min	28.32	l/min
kW	1.34	horsepower

Flow Conversion Table

	Litres per second	Litres per minute	Litres per hour	Cubic feet per second	Cubic feet per minute
	(l/s)	(l/m)	(l/hr)	(CFS)	(CFM)
l/s	1	60.0000	3600.00	0.0353157	2.11894
l/m	0.01666667	1	60.0000	5.88594e-4	0.0353157
l/hr	2.77778e-4	0.01666667	1	9.80990e-6	5.88594e-5
CFS	28.3161	1698.963	101937.8	1	60.000
CFM	0.471934	28.3161	1698.963	0.01666667	1

Glossary of terms

PRESSURE

PSI	Pound per square inch
KPA	Kilopascal
KG/CM²	Kilogram per square centimeter
BAR	100 Kilopascals or 14.7 Pounds per square inch

FLOW

CFM	Cubic feet per minute
CFS	Cubic feet per second
L/S	Litres per second
L/M	Litres per minute
L/HR	Litres per hour
M³/H	Cubic metres per hour
M³/S	Cubic metres per second



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