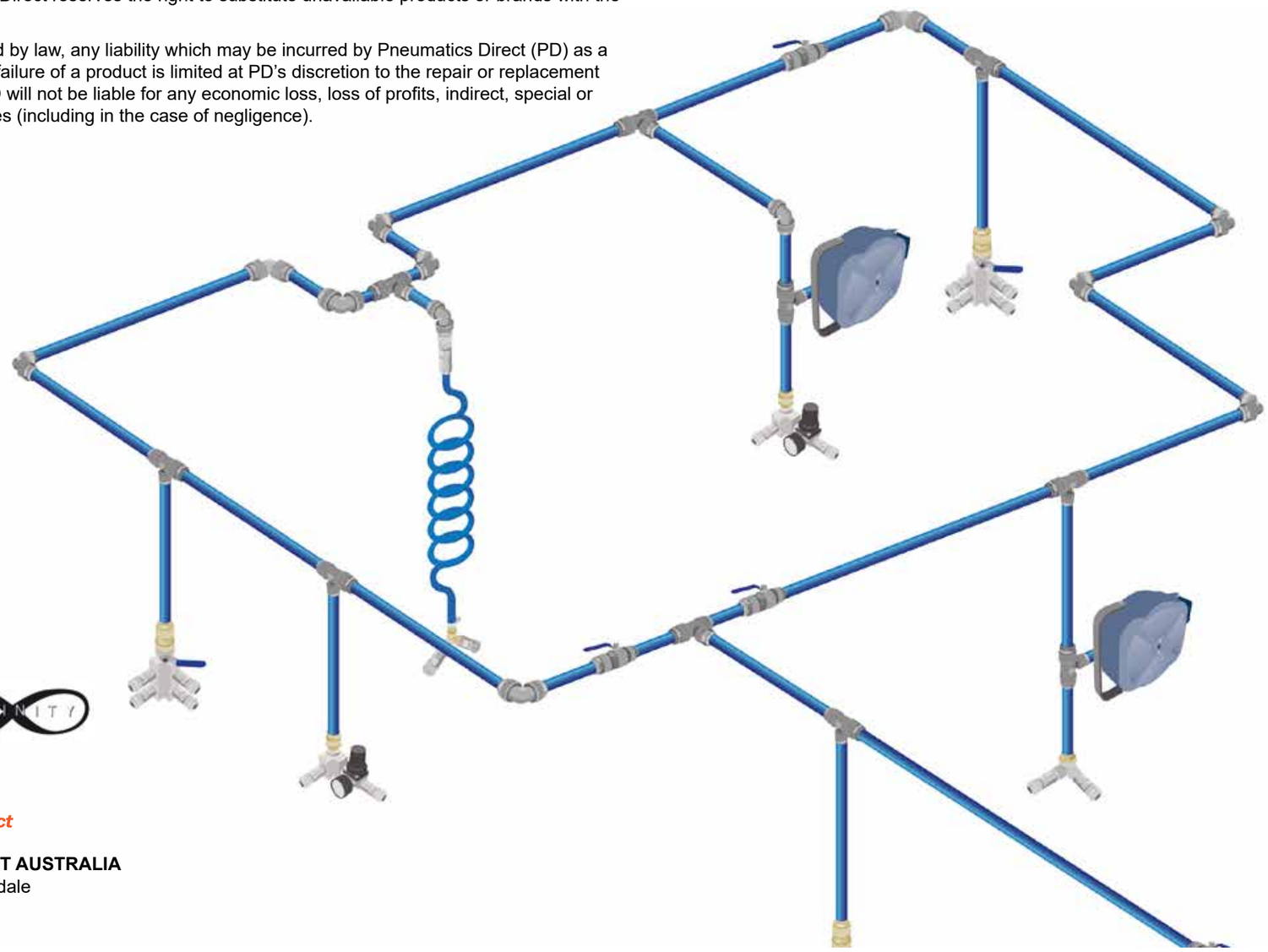
infinity
pipe systems

COMPRESSED AIR PIPING, FIXINGS & ACCESSORIES

High performance aluminium piping systems, easy to install and simple to extend or modify

2025

CONTENTS



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Why Use Infinity Pipe Systems?

Infinity piping is a high performance aluminium piping system that is easy to install and simple to extend or modify. The non–corrosive extruded aluminium provides structural strength and delivers contaminate-free fluid 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 other systems. No fluid leakage ensures minimum running costs.

Galvanised steel and plastic piping systems have been the standard products used in the 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.

The new Infinity piping offers the first all metal piping system, specifically designed with energy savings in mind. It's extremely smooth corrosion-free pipe, complimented with easy install fittings and our patented zero condensate tee, all go together to keep the fluid flow laminar; therefore reducing turbulence, minimising pressure drop, and removing condensation.

The high quality standard set by the Infinity piping system also means that it is ideal for air, vacuum and nitrogen, and is available in a selection of colours to meet the required regulations.

INFINITE TIME SAVING

- Simple push in system
- Modular connection
- Light-weight tubing
- Fully adjustable and reusable, ideal for future expansion
- Easy identification - colour coded piping
- Less clips; minimal expansion
- No need for swan necks - built-in *zero condensate* tees for low pressure systems
- 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 and European safety standard AS4041

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 system is as simple as pushing the pipes 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 seven times less than the rate of plastic, meaning Infinity piping requires far fewer or even no expansion points.

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INFINITY PIPE AND FITTINGS

High performance aluminium pipe and fittings, compatible with air, nitrogen and vacuum.

THE INFINITYONE SOLUTION

When your compressed air installation needs to meet strict Australian Standards and thrive in Australia's toughest environments, trust Infinity Pipe Systems to deliver.

Turnkey Project Solutions – From Start to Finish

Our team of Infinity Experts offers complete, end-to-end project management—covering consultation, design, supply, installation, commissioning, and support.

With **over 20 years** of experience and a **national network of trusted installers**, we ensure your compressed air line is installed to the highest standard.

Prefer to DIY?

We can supply everything you need to build it yourself, with fast delivery from our warehouses in Brisbane, Melbourne, and Perth.

No matter the level of input, our Infinity Experts will work alongside you to deliver an optimised compressed air system that increases your compressed air performance and reduces your running costs.

Project Consultation

Infinity Pipe Systems have delivered thousands of air line projects over the last two decades, giving us the expertise and knowledge to deliver industry-leading advice and solutions.

- Tailored advice based on your unique site requirements.
- Cost and energy-efficient system planning.
- On-site assessment to identify site restrictions and access requirements for a smooth installation.

Technical Design

A properly designed air line can have a direct and dramatic impact on the performance of your compressed air system, generating significant savings in outgoing costs and downtime.

- Smart, efficient designs to optimise performance and cut costs.
- Full bill of materials and detailed compressed air line designs using your existing AutoCAD drawings.

Timeline & Costing

- Accurate quoting for materials and labour.
- Clear project timelines with transparent communication and consultation throughout.

INFINITY PIPE & FITTINGS
COMPRESSED AIR INSTALLATIONS

Supply & Installation

- Quality Infinity pipe, fittings, filters, hose reels, and more.
- Nomination of a trusted installer from our Australia-wide network.
- Fully compliant site entry and safety procedures.

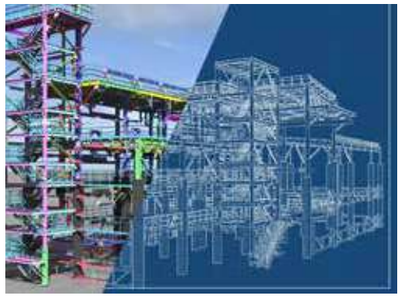
Commissioning & Support

- Pressure/leak testing and certification
- 10-year warranty on Infinity pipe and fittings
- Ongoing post-installation support and training available

No Project Too Big or Small

Whether you're modifying a single drop line or planning a full facility install, we're ready to help. Get in touch with an Infinity Expert to start your project today on 1300 296 042 or info@infinitypipesystems.com.au

BUILDING INFORMATION MODELLING

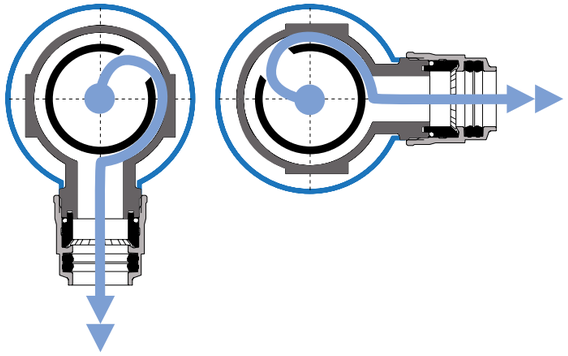


BIM drawings for Infinity products are available to load into your Revit software!

BIM files for Infinity parts and accessories are accessible by downloading the file from the **www.infinitypipesystems.com.au** product page, or by using the Aignep Infinity Tools Revit plug-in, available by searching **'Aignep Infinity Tools Revit plug-in'.**

More product files added as they become available.

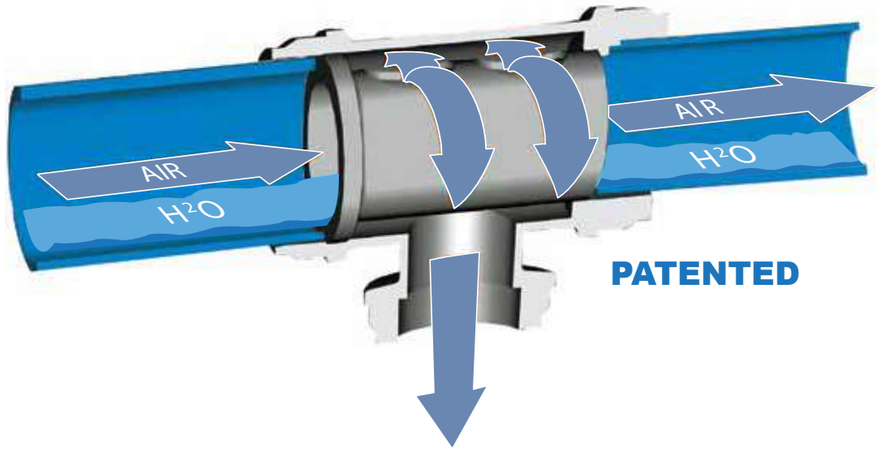
Infinity Zero Condensate Tee



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.



PATENTED

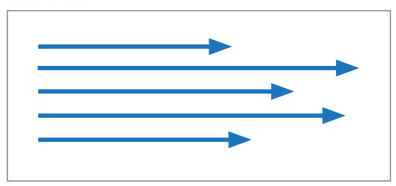
The most overlooked area in piping layout and design is the velocity of the compressed fluid. Under-sizing the internal diameter of the pipe relevant to the flow required will increase the velocity.

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

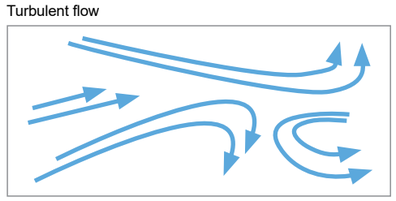
High velocity (under sizing the pipe system) can be a significant cause of:

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

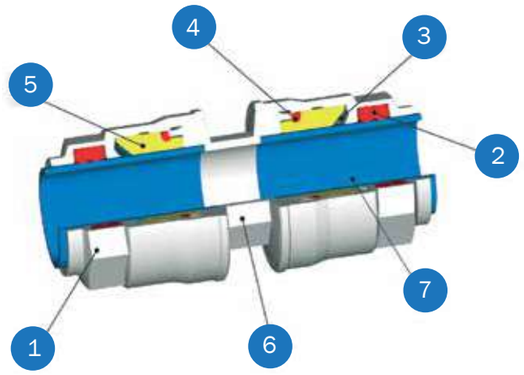
Laminar flow



Turbulent flow



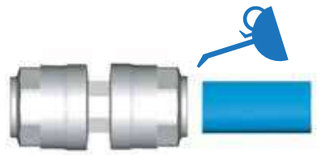
PUSH-IN 20 - 25 - 32 - 40 - 50 - 63



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	16 bar (1.6 Mpa)
COMPATIBLE FLUIDS	
Compressed air	
Vacuum	
Inert Gas (AZOTO, ARGON, NITROGEN)	
FIRE RESISTANCE	
The system does not stoke or propagate any fires	
THREADS	
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	0.024mm/(m °C)

INSTALLATION 20 - 25 - 32 - 40



1. Fittings of 20 - 25 - 32 - 40 are pre-assembled. Tubes of 6m are pre-coated, calibrated and deburred.

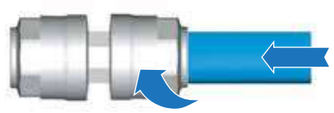
2. Push tube into the fitting for automatic connection.

DIAMETER	TORQUE
20	300 cN.m
25	300 cN.m
32	400 cN.m
40	650 cN.m

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

INSTALLATION 50 - 63

1. Fittings of 50 – 63 are pre-assembled with nut untwisted to help tube connection. Tubes of 6m are pre-coated, calibrated and deburred.



DIAMETER	TORQUE
50	75 N.m
63	75 N.m

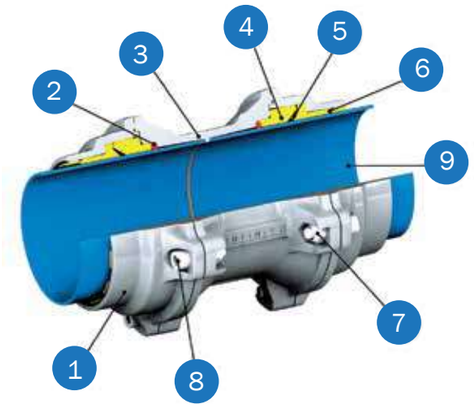
2. Push tube into the fitting for connection and tighten the nut using torques settings as in the chart.

Always use Infinity brackets to install

Never bury an Infinity system in soil

Install system floating to ground

PUSH-IN 80-110

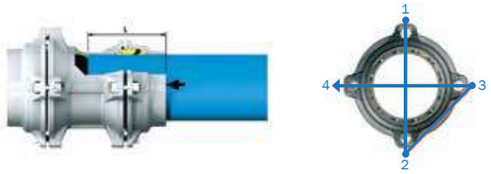


1. Nut made in aluminium with proper surface treatment
2. O-RING Seal made in NBR
3. Body made in aluminium with proper surface treatment
4. Safety ring made in technopolymeric
5. Clamping washer made in compliance with AISI 301
6. Tube-guide ring made in technopolymeric
7. Selflocking nut in zinc-plated 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	16 bar (1.6 Mpa)
COMPATIBLE FLUIDS	
Compressed air	
Vacuum	
Inert Gas (AZOTO, ARGON, NITROGEN)	
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	0.024mm/(m °C)

INSTALLATION 80-110

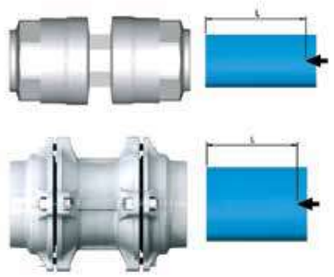
1. Fittings of 80-110 are pre-assembled with four screws untwisted to help tube connection. Tubes of 6m are pre-coated, calibrated and deburred.



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	LENGTH
20	31.5mm
25	38.5mm
32	46mm
40	52mm
50	63.5mm
63	75.5mm
80	91mm
110	125.5mm

Always use Infinity brackets to install

Never bury an Infinity system in soil

Install system floating to ground

Determining The Diameter For Installation

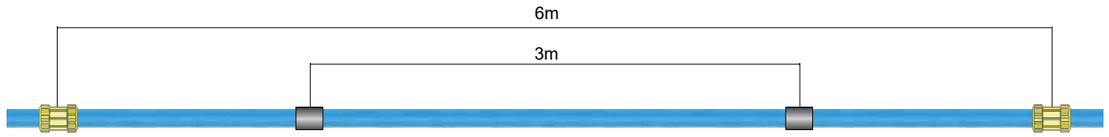
The diagram below allows you to determine the diameter of the main line.

1. Choose the flow rate of compressor in the red 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.

FLOW RATE			Distance from compressor to furthest outlet										
Nl/min	Nm^3/h	cfm	25m	50m	100m	150m	200m	300m	400m	500m	1000m	1500m	2000m
230	14	8	20	20	20	20	20	20	20	20	20	25	25
650	39	23	20	20	20	20	25	25	25	25	32	32	40
900	54	32	20	20	25	25	25	32	32	32	40	40	40
1200	72	42	20	20	25	25	32	32	32	32	40	40	50
1750	105	62	20	25	32	32	32	40	40	40	50	50	50
2000	120	71	25	25	32	32	32	40	40	40	50	50	50
2500	150	88	25	32	32	32	40	40	40	50	50	63	63
3000	180	106	25	32	32	40	40	40	50	50	50	63	63
3500	210	124	25	32	40	40	40	50	50	50	63	63	63
4500	270	159	32	32	40	40	50	50	50	50	63	63	80
6000	360	212	32	40	50	50	50	50	63	63	80	80	80
7000	420	247	32	40	50	50	50	63	63	63	80	80	80
8500	510	300	40	40	50	50	63	63	63	63	80	80	110
12000	720	424	40	50	63	63	63	80	80	80	110	110	110
15000	900	530	50	50	63	63	80	80	80	80	110	110	110
18000	1080	636	50	63	63	80	80	80	80	110	110	110	110
21000	1260	742	50	63	63	80	80	80	110	110	110	110	110
26000	1560	918	63	63	80	80	80	110	110	110	110	110	110
31000	1860	1095	63	63	80	80	110	110	110	110	110	110	110*
33000	1980	1165	63	80	80	110	110	110	110	110	110	110*	110*
44000	2640	1554	63	80	110	110	110	110	110	110	110*	110*	110*
50000	3000	1766	80	80	110	110	110	110	110	110	110*	110*	110*
58000	3480	2048	80	80	110	110	110	110	110	110	110*	110*	110*
67000	4020	2366	80	110	110	110	110	110	110	110*	110*	110*	110*
75000	4500	2648	80	110	110	110	110	110	110*	110*	110*	110*	110*
83000	4980	2931	80	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%

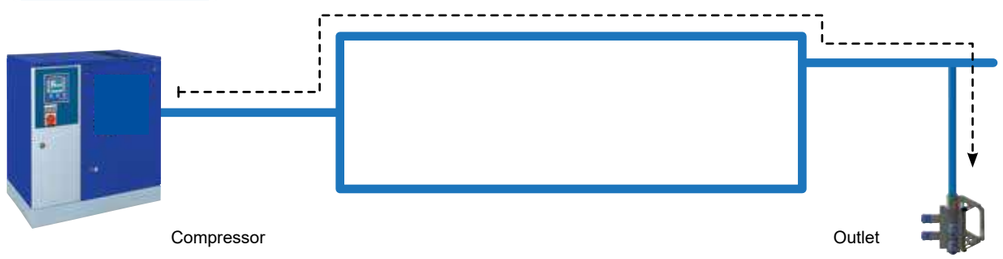
Collar Positions - 6M Tube



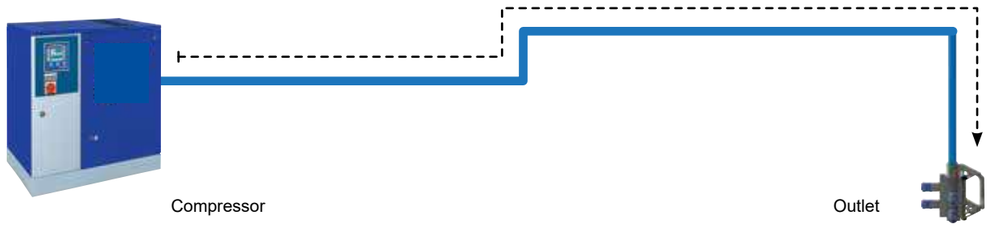
Distance From Compressor To Furthest Outlet

Distance between the compressor and the furthest outlet

Ring Main System



Linear System



Air Consumption Values

INDICATIVE FLOW RATES			
K.W.	HP	M³/MIN	CFM
1.5	2	0.23	8
3	4	0.46	16
4	6	0.65	23
5.5	7.5	0.9	32
7.5	10	1.2	42
11	15	1.75	62
12.5	17	2	71
15	20	2.5	88
18	25	3	106
22	30	3.5	123
29	40	4.5	159
37	50	6	212
45	60	7	247
55	75	8.5	300
74	100	12	423
92	125	15	530
110	150	18	635
132	180	21	742
170	230	26	918
200	270	31	1094
250	340	44	1554

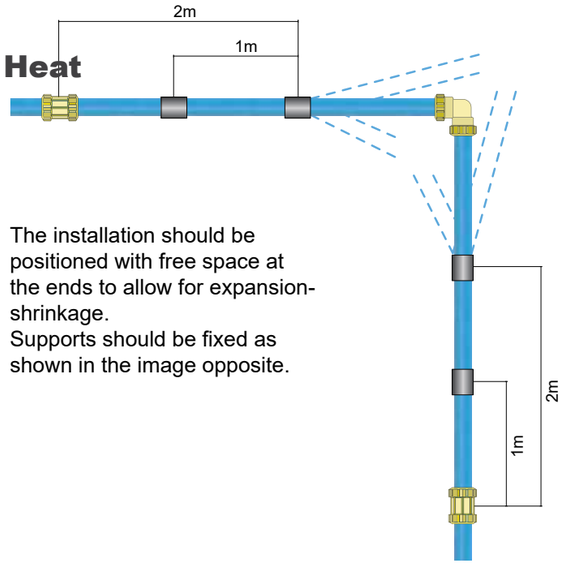
TOOLS	TYPICAL CONSUMPTION AT AN OPERATING PRESSURE OF 6 BAR (CFM)
Small process controls, instrumentation, pneumatic logic units	= 4 CFM
Paint spray gun, small impact wrench, light/medium drill, blowgun	= 9 CFM
Polisher, screwdriver	= 25 CFM
Sheet metal cutter, large impact wrench, automatic plane	= 29 CFM
Small automatic machines, miscellaneous tooling	= 32 CFM
Large tools, power machines and associated equipment	= 36 CFM
Air hoist, grinder	= 74 CFM

Expansion And Shrinkage Due To Heat

To calculate the linear expansion-shrinkage, we can use the following formula:

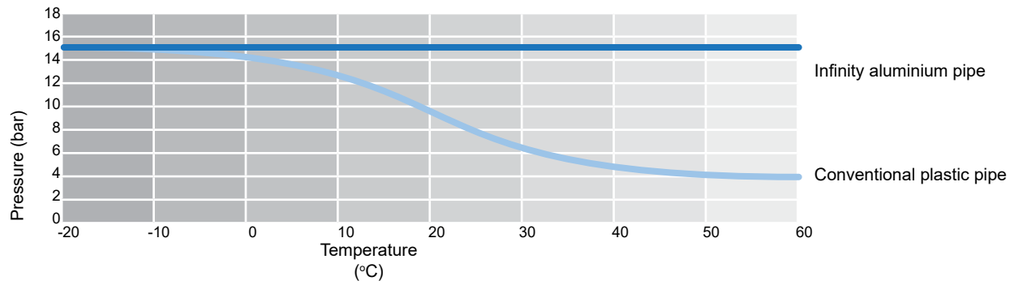
$$\Delta L = \Delta T \times L \times \alpha$$

ΔL	Linear expansion-shrinkage in mm
ΔT	Heat variation between the operating temperature and the installation one at °C
L	Tube length in M
α	Linear expansion factor, for the aluminium it is 0.024mm/M °C



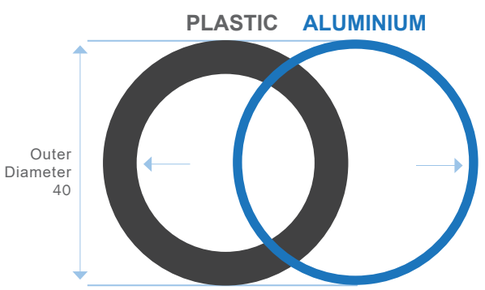
The installation should be positioned with free space at the ends to allow for expansion-shrinkage.
Supports should be fixed as shown in the image opposite.

Maximum Working Pressure Versus Operating Temperature



Size For Size There Is No Comparison

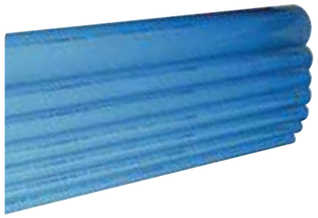
Infinity Pipe Systems when compared with traditional poly systems can often be installed 1 size smaller in diameter due to the thin cross section of the wall whilst maintaining full rigidity and strength.



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	80	76
110	79	110	106

Technical Characteristics Pertinent To The Tubes

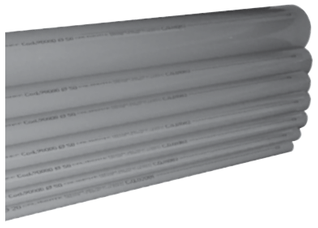


Aluminium Air Pipe

CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
IN20X6M	900006 20	Aluminium Pipe 20mm x 6m	62
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	424
IN50X6M	900006 50	Aluminium Pipe 50mm x 6m	742
IN63X6M	900006 63	Aluminium Pipe 63mm x 6m	1554
IN80X6M	900006 80	Aluminium Pipe 80mm X 6m	2931
IN110X6M	900006 110	Aluminium Pipe 110mm X 6m	3531
IN168X6M	900006 168	Aluminium Pipe 168mm X 6m	

Aluminium Nitrogen Pipe Green

CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
IN20X6G	900006 20 G	Aluminium Pipe Green 20mm x 6m	62
IN25X6G	900006 25 G	Aluminium Pipe Green 25mm x 6m	124
IN32X6G	900006 32 G	Aluminium Pipe Green 32mm x 6m	247
IN40X6G	900006 40 G	Aluminium Pipe Green 40mm x 6m	424
IN50X6G	900006 50 G	Aluminium Pipe Green 50mm x 6m	742
IN63X6G	900006 63 G	Aluminium Pipe Green 63mm x 6m	1554
IN80X6G	900006 80	Aluminium Pipe Green 80mm X 6m	2931
IN110X6G	900006 110	Aluminium Pipe Green 110mm X 6m	3531

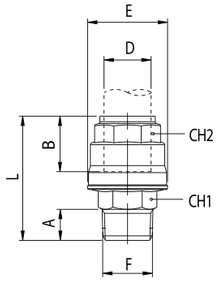


Aluminium Vacuum Pipe Grey

CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
INV20X6M	900006GR 20	Aluminium Pipe Grey 20mm x 6m	62
INV25X6M	900006GR 25	Aluminium Pipe Grey 25mm x 6m	124
INV32X6M	900006GR 32	Aluminium Pipe Grey 32mm x 6m	247
INV40X6M	900006GR 40	Aluminium Pipe Grey 40mm x 6m	424
INV50X6M	900006GR 50	Aluminium Pipe Grey 50mm x 6m	742
INV63X6M	900006GR 63	Aluminium Pipe Grey 63mm x 6m	1554
INV80X6M	900006GR 80	Aluminium Pipe Grey 80mm X 6m	2931
INV110X6M	900006GR 110	Aluminium Pipe Grey 110mm X 6m	3531
INV168X6M	900006GR 168	Aluminium Pipe Grey 168mm X 6m	

MAX PRESSURE	16 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

Straight Male Adaptor



CODE	ALT CODE	DESCRIPTION
INMA2012	90010 20-½	Straight Male Adaptor 20mm x ½”
INMA2020	90010 20-3/4	Straight Male Adaptor 20mm x ¾”
INMA2512	90010 25-1/2	Straight Male Adaptor 25mm x ½”
INMA2520	90010 25-¾	Straight Male Adaptor 25mm x ¾”
INMA2525	90010 25-1	Straight Male Adaptor 25mm x 1”
INMA3225	90010 32-1	Straight Male Adaptor 32mm x 1”
INMA4025	90010 40-1	Straight Male Adaptor 40mm x 1”
INMA4032	90010 40-1¼	Straight Male Adaptor 40mm x 1¼”
INMA4040	90010 40-1½	Straight Male Adaptor 40mm x 1½”
INMA5025*	90010 50-1	Straight Male Adaptor 50mm x 1”
INMA5040*	90010 50-1½	Straight Male Adaptor 50mm x 1½”
INMA6350*	90010 63-2	Straight Male Adaptor 63mm x 2”

** While stock lasts*

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INMA5025A	90010 50-1	Straight Male Adaptor 50mm x 1”
INMA5040A	90010 50-1½	Straight Male Adaptor 50mm x 1½”
INMA5050A	90010 50-2	Straight Male Adaptor 50mm x 2”
INMA6350A	90010 63-2	Straight Male Adaptor 63mm x 2”
INMA6363A	90010-63-2½	Straight Male Adaptor 63mm x 2½”

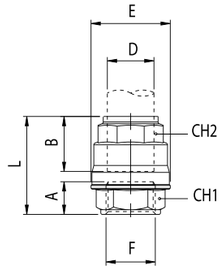
TECHNICAL SPECS

D	F	A	B	E	L	CH1	CH2
20	1/2	14	31.5	34.5	56	22	30
20	3/4	16.5	31.5	34.5	61	22	30
25	1/2	14	38.5	42.5	65	27	35
25	3/4	16.5	38.5	42.5	66	27	35
25	1"	19	38.5	42.5	70.5	27	35
32	1"	19	46	52	76.5	34	45
40	1"	19	52	63	86.5	45	55
40	1" 1/4	21.5	52	63	89.5	45	55
40	1" 1/2	21.5	52	63	92	50	55
50	1"	19	63.5	73	102.5	60	65

TECHNICAL SPECS ALUMINIUM

D	F	A	B	E	L	CH1	CH2
50	1"	19	58.5	84	110.5	50	72
50	1" 1/2	21.5	58.5	84	112.5	50	72
50	2"	24	58.5	84	115.5	50	72
63	2"	24	57.5	94	109.5	65	75
63	2" 1/2	24	57.5	94	106.5	75	75

Straight Female Adaptor

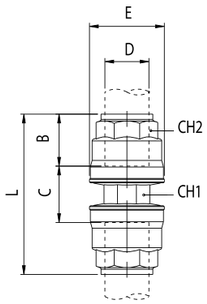


CODE	ALT CODE	DESCRIPTION
INFA2012	90030 20-½	Straight Female Adaptor 20mm x ½”
INFA2520	90030 25-¾	Straight Female Adaptor 25mm x ¾”
INFA3225	90030 32-1	Straight Female Adaptor 32mm x 1”
INFA4032	90030 40-1¼	Straight Female Adaptor 40mm x 1¼”
INFA6350	90030 63-2	Straight Female Adaptor 63mm x 2”

TECHNICAL SPECS

D	F	A	B	E	L	CH1	CH2
20	1/2	15	31.5	34.5	49	24	30
25	3/4	16.5	38.5	42.5	56.5	32	35
32	1"	19	46	52	66.5	38	45
40	1" 1/4	22	52	63	76	50	55
63	2"	22	75.5	92	99.5	65	70

Straight Coupling



CODE	ALT CODE	DESCRIPTION
INC20	90040 20	Straight Coupling 20mm
INC25	90040 25	Straight Coupling 25mm
INC32	90040 32	Straight Coupling 32mm
INC40	90040 40	Straight Coupling 40mm

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INC50A	90040 50	Straight Coupling 50mm
INC63A	90400 63	Straight Coupling 63mm

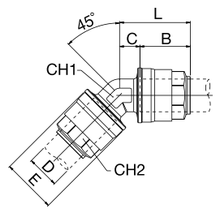
TECHNICAL SPECS

D	B	C	E	L	CH1	CH2
20	31.5	14.5	34.5	76.5	21	30
25	38.5	13.5	42.5	90.5	26	35
32	46	14.5	52	106.5	32	45
40	52	21	63	125	41	55

TECHNICAL SPECS ALUMINIUM

D	B	C	E	L	CH1	CH2
50	58.5	59	84	175	59	72
63	57.5	44	94	159	73	75

135˚ Connector



CODE	ALT CODE	DESCRIPTION
INEC20	90140 20	135° Connector 20mm
INEC25	90140 25	135° Connector 25mm
INEC32	90140 32	135° Connector 32mm
INEC40	90140 40	135° Connector 40mm
INEC50	90140 50	135° Connector 50mm
INEC63	90140 63	135° Connector 63mm

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INEC50A	90140 50	135° Connector 50mm
INEC63A	90140 63	135° Connector 63mm

TECHNICAL SPECS

D	B	C	E	L	CH1	CH2
20	31.5	12.5	34.5	44	21	30
25	38.5	13.5	42.5	52	26	35
32	46	15	52	61	34	45
40	52	18	63	70	41	55
50	63.5	20	73	83.5	50	65

TECHNICAL SPECS ALUMINIUM

D	B	C	E	L	CH1	CH2
50	58.5	35.5	84	94	59	72
63	57.5	24	94	82	73	75

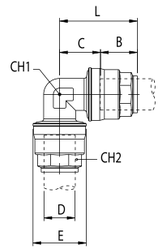
135˚Tube-Tube Connector

CODE	ALT CODE	DESCRIPTION
INEC168	90140 168	135° Tube-Tube Connector

TECHNICAL SPECS

D	B	L	BAG
168	194	330	1

Elbow Connector



CODE	ALT CODE	DESCRIPTION
INE20	90130 20	Elbow Connector 20mm
INE25	90130 25	Elbow Connector 25mm
INE32	90130 32	Elbow Connector 32mm
INE40	90130 40	Elbow Connector 40mm
INE50*	90130 50	Elbow Connector 50mm
INE63*	90130 63	Elbow Connector 63mm

** While stock lasts*

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INE50A	90130 50	Elbow Connector 50mm
INE63A	90130 63	Elbow Connector 63mm

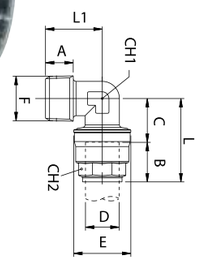
TECHNICAL SPECS

D	B	C	E	L	CH1	CH2
20	31.5	19	34.5	51	21	30
25	38.5	23	42.5	61.5	26	35
32	46	28	52	74.5	34	45
40	52	34	63	83.5	41	55
50	63.5	40.5	73	104	50	65
63	75.5	52	92	127.5	65	70

TECHNICAL SPECS ALUMINIUM

D	B	C	E	L	CH1	CH2
50	58.5	63	84	121.5	59	72
63	57.5	55.5	94	113	73	75

Male Elbow Connector



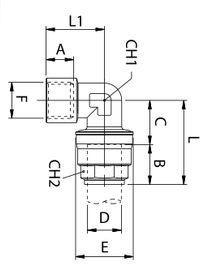
CODE	ALT CODE	DESCRIPTION
INEM20	90150 20-1/2	Male Elbow Connector 20mm
INEM25	90150 25-3/4	Male Elbow Connector 25mm
INEM32	90150 32-1	Male Elbow Connector 32mm
INEM40	90150 40-1 1/4	Male Elbow Connector 40mm
INEM50*	90150 50-1 1/2	Male Elbow Connector 50mm
INEM63*	90150 63-2	Male Elbow Connector 63mm

** While stock lasts*

TECHNICAL SPECS

D	F	A	B	C	E	L	L1	CH1	CH2
20	1/2	14	31.5	19	34.5	51	32	21	30
25	3/4	16.5	38.5	23	42.5	61.5	37	26	35
32	1"	19	46	28	52	74.5	49	34	45
40	1" 1/4	21.5	52	34	63	86.5	54	41	55
50	1" 1/2	21.5	63.5	40.5	73	104	59	50	65
63	2	21.7	75.5	52	92	127.5	71	65	70

Female Elbow Connector



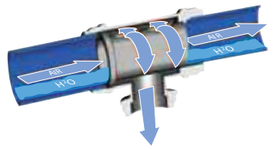
CODE	ALT CODE	DESCRIPTION
INEF20	90160 20-1/2	Female Elbow Connector 20mm
INEF25	90160 25-3/4	Female Elbow Connector 25mm
INEF32	90160 32-1	Female Elbow Connector 32mm
INEF40	90160 40-1 1/4	Female Elbow Connector 40mm
INEF50*	90160 50-1 1/2	Female Elbow Connector 50mm
INEF63*	90160 63-2	Female Elbow Connector 63mm

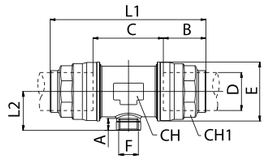
** While stock lasts*

TECHNICAL SPECS

D	F	A	B	C	E	L	L1	CH1	CH2
20	1/2	13	31.5	19	34.5	51	34.5	21	30
25	3/4	14.5	38.5	23	42.5	61.5	38.5	26	35
32	1"	16.5	46	28	52	74.5	47.5	34	45
40	1" 1/4	20	52	34	63	86.5	56.5	41	55
50	1" 1/2	22	63.5	40.5	73	104	64.7	50	65
63	2"	21,7	59	52	92	111	77	65	70

Female Tee Connector





CODE	ALT CODE	DESCRIPTION
INTF20-3/8	90236 20-3/8	Female Tee Connector 20 X 3/8"
INTF20-1/2	90236 20-1/2	Female Tee Connector 20 X 1/2"
INTF25-3/8	90236 25-3/8	Female Tee Connector 25 X 3/8"
INTF25-1/2	90236 25-1/2	Female Tee Connector 25 X 1/2"
INTF32-1/2	90236 32-1/2	Female Tee Connector 32 X 1/2"
INTF40-1/2	90236 40-1/2	Female Tee Connector 40 X 1/2"
INTF50-3/4*	90236 50-3/4	Female Tee Connector 50 X 3/4"
INTF63-3/4*	90236 63-3/4	Female Tee Connector 63 X 3/4"

** While stock lasts*

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INTF50-1/2A	90236 50-1/2	Female Tee Connector 50 X 1/2"
INTF50-3/4A	90236 50-3/4	Female Tee Connector 50 X 3/4"
INTF50-1A	90236 50-1	Female Tee Connector 50 X 1"
INTF63-1/2A	90236 63-1/2	Female Tee Connector 63 X 1/2"
INTF63-3/4A	90236 63-3/4	Female Tee Connector 63 X 3/4"
INTF63-1A	90236 63-1	Female Tee Connector 63 X 1"

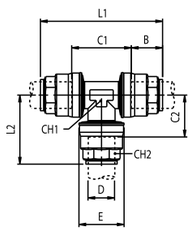
TECHNICAL SPECS

D	F	A	B	C	E	L1	L2	CH	CH1
20	3/8	11	31.5	48	34.5	109	25	28	30
20	1/2	13.5	31.5	48	34.5	109	28	28	30
25	3/8	11	38.5	45.5	42.5	121.5	29	35	35
25	1/2	13.5	38.5	45.5	42.5	121.5	31	35	35
32	1/2	13.5	46	54.5	52	146.5	36.5	45	45
40	1/2	13.5	52.5	60	63	165.5	41.5	55	55
50	3/4	14.5	63.5	73.5	73	201	47.5	65	65
63	3/4	14.5	77	86	92	237.5	55	80	70

TECHNICAL SPECS ALUMINIUM

D	F	A	B	C	E	L1	L2	CH	CH1
50	1/2"	13.5	58.5	105	84	222	53	69	72
50	3/4"	14.5	58.5	105	84	222	53	69	72
50	1"	17.5	58.5	105	84	222	53	69	72
63	1/2	13.5	57.5	88	94	203	53	80	75
63	3/4	14.5	57.5	88	94	203	54	80	75
63	1"	17.5	57.5	88	94	203	56.5	80	75

Tee Connector



CODE	ALT CODE	DESCRIPTION
INT20	90230 20	Tee Connector 20mm
INT25	90230 25	Tee Connector 25mm
INT32	90230 32	Tee Connector 32mm
INT40	90230 40	Tee Connector 40mm
INT50*	90230 50	Tee Connector 50mm
INT63*	90230 63	Tee Connector 63mm

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INT50A	90230 50	Tee Connector 50mm
INT63A	90230 63	Tee Connector 63mm

TECHNICAL SPECS

D	E	B	C1	C2	L1	L2	CH1	CH2
20	34.5	31.5	34.5	22.5	98	54.5	21	30
25	42.5	38.5	37.5	26	113.5	65	26	35
32	52	46	46.5	31.5	138.5	77	34	45
40	63	52	55.5	38	159.5	90	41	55
50	73	63.5	69	44.5	196	108	50	65
63	92	75.5	87	55.5	238.5	131	65	70

TECHNICAL SPECS ALUMINIUM

D	E	B	C1	C2	L1	L2	CH1	CH2
50	84	58.5	126	79	243	122	40.5	72
63	94	57.5	111	55.5	226	113	73	75

Female Fitting with Zero Condensate Tee

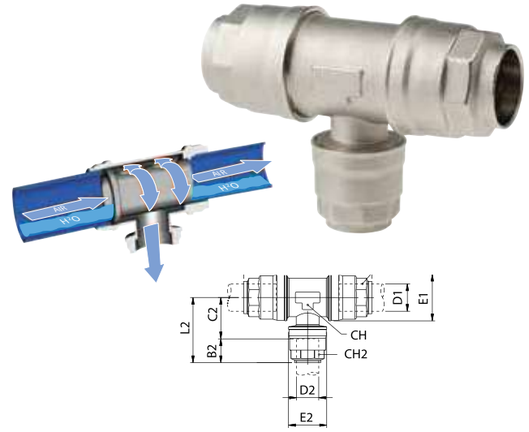
ALUMINIUM

CODE	ALT CODE	DESCRIPTION
90250 63-1/2A	90250 63-1/2A	Female Fitting with Zero Condensate Tee

TECHNICAL SPECS ALUMINIUM

D	F	A	B	C	E	L1	L2	CH	CH1
63	1/2	13.5	57.5	88	94	203	53	80	75

Reducing Tee Connector



CODE	ALT CODE	DESCRIPTION
INRT2020	90235 20-20	Reducing Tee Connector 20 X 20mm
INRT2520	90235 25-20	Reducing Tee Connector 25 X 20mm
INRT3220	90235 32-20	Reducing Tee Connector 32 X 20mm
INRT3225	90235 32-25	Reducing Tee Connector 32 X 25mm
INRT4020	90235 40-20	Reducing Tee Connector 40 X 20mm
INRT4025	90235 40-25	Reducing Tee Connector 40 X 25mm
INRT5020	90235 50-20	Reducing Tee Connector 50 X 20mm
INRT5025	90235 50-25	Reducing Tee Connector 50 X 25mm
INRT5032	90235 50-32	Reducing Tee Connector 50 X 32mm
INRT6320	90235 63-20	Reducing Tee Connector 63 X 20mm
INRT6325	90235 63-25	Reducing Tee Connector 63 X 25mm
INRT6332	90235 63-32	Reducing Tee Connector 63 X 32mm

ALUMINIUM ** While stock lasts*

CODE	ALT CODE	DESCRIPTION
INRT5020A	90235 50-20A	Reducing Tee Connector 50 X 20mm
INRT5025A	90235 50-25A	Reducing Tee Connector 50 X 25mm
INRT5032A	90235 50-32A	Reducing Tee Connector 50 X 32mm
INRT6320A	90235 63-20A	Reducing Tee Connector 63 X 20mm
INRT6325A	90235 63-25A	Reducing Tee Connector 63 X 25mm
INRT6332A	90235 63-32A	Reducing Tee Connector 63 X 32mm

TECHNICAL SPECS

D1	D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2
20	20	31.5	31.5	48	22.5	34.5	34.5	109	54	28	30	30
25	20	38	31.5	45.5	27.5	42.5	34.5	121.5	59	35	35	30
32	20	46	31.5	54.5	31.5	52	34.5	146.5	63	45	45	30
32	25	46	38	54.5	31.5	52	42.5	146.5	70	45	45	35
40	20	52.5	31.5	60	34.5	63	34.5	165.5	66	55	55	30
40	25	52.5	38	60	34.5	63	42.5	165.5	73	55	55	35
50	20	63.5	31.5	73.5	41.5	73	34.5	201	73	65	65	30
50	25	63.5	38.5	73.5	41	73	42.5	201	80	65	65	35
50	32	63.5	46	73.5	41	73	52	201	87.5	65	65	45
63	20	77	31.5	86	49.5	92	34.5	237.5	81	80	70	30
63	25	77	38.5	86	49	92	42.5	237.5	88	80	70	35
63	32	77	46	86	49	92	52	237.5	95.5	80	70	45

TECHNICAL SPECS ALUMINIUM

D1	D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2
50	20	58.5	33	105	57	84	40	222	90	69	72	30
50	25	58.5	41	105	57	84	49	222	98	69	72	35
50	32	58.5	45	105	57	84	58	222	102	69	72	45
63	20	57.5	33	87.5	64.5	94	40	205.5	97	80	75	30
63	25	57.5	41	87.5	64.5	94	49	205.5	105	80	75	35
63	32	57.5	45	87.5	64.5	94	58	205.5	112	80	75	45

Intermediate Cross Fitting

CODE	ALT CODE	DESCRIPTION
90300 20	90300 20	Infinity Intermediate Cross Fitting 20mm
90300 25	90300 25	Infinity Intermediate Cross Fitting 25mm
90300 32	90300 32	Infinity Intermediate Cross Fitting 32mm

TECHNICAL SPECS

D	E	B	C1	C2	L1	L2	CH1	CH2
20	34.5	31.5	34.5	22.5	98	54.5	21	30
25	42.5	38.5	37.5	26	113.5	65	26	35
32	52	46	46.5	31.5	138.5	77	34	45

Tube-Tube Cross Fitting

CODE	ALT CODE	DESCRIPTION
INCFTT 40	90300 40	Infinity Intermediate Cross Fitting Tube-Tube 40mm
INCFTT 50	90300 50	Infinity Intermediate Cross Fitting Tube-Tube 50mm
INCFTT 63	90300 63	Infinity Intermediate Cross Fitting Tube-Tube 63mm
INCFTT 80	90300 80	Infinity Intermediate Cross Fitting Tube-Tube 80mm
INCFTT 110	90300 110	Infinity Intermediate Cross Fitting Tube-Tube 110mm
INCFTT 168	90300 168	Infinity Intermediate Cross Fitting Tube-Tube 168mm

TECHNICAL SPECS

D	B	L
40	52	225
50	58.5	225
63	57.5	255
80	91	350
110	125.5	470
168	194	680

Tee Connector Fitting

CODE	ALT CODE	DESCRIPTION
INRTX 2020	90259 20-20	Reducing Tee Condensate Exhaust 20mm x 20mm
INRTX 2520	90259 25-20	Reducing Tee Condensate Exhaust 25mm x 20mm
INRTX 3220	90259 32-20	Reducing Tee Condensate Exhaust 32mm x 20mm
INRTX 4020	90259 40-20	Reducing Tee Condensate Exhaust 40mm x 20mm
INRTX 5020	90259 50-20	Reducing Tee Condensate Exhaust 50mm x 20mm

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INRTX 5020A	90259 50-20A	Reducing Tee Condensate Exhaust 50mm x 20mm
INRTX 6320A	90259 63-20A	Reducing Tee Condensate Exhaust 63mm x 20mm

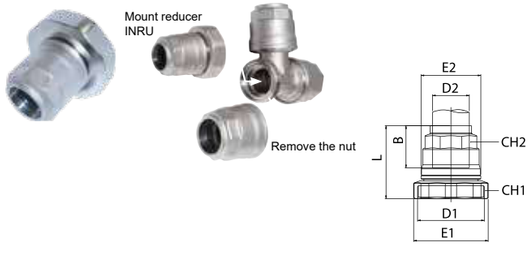
TECHNICAL SPECS

D1	D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2
20	20	31.5	31.5	34.5	22.5	34.5	34.5	98	54.5	21	30	30
25	20	46	31.5	54.5	31.5	42.5	34.5	146.5	63	45	45	30
32	20	46	38	52	34.5	52	34.5	146.5	70	45	45	35
40	20	52.5	31.5	60	34.5	63	34.5	165.5	66	55	55	30
50	20	52.5	38	60	34.5	73	34.5	165.5	73	55	55	35

TECHNICAL SPECS ALUMINIUM

D1	D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2
50	20	58.5	33	105	57	84	40	222	90	69	72	30
63	20	57.5	33	87.5	64.5	94	40	205.5	97	80	75	30

Reducing Union



CODE	ALT CODE	DESCRIPTION
INRU2520	90620 25-20	Reducing Union 25 X 20mm
INRU3220	90620 32-20	Reducing Union 32 X 20mm
INRU3225	90620 32-25	Reducing Union 32 X 25mm
INRU4020	90620 40-20	Reducing Union 40 X 20mm
INRU4025	90620 40-25	Reducing Union 40 X 25mm
INRU4032	90620 40-32	Reducing Union 40 X 32mm
INRU5025	90620 50-25	Reducing Union 50 X 25mm
INRU5032	90620 50-32	Reducing Union 50 X 32mm
INRU5040	90620 50-40	Reducing Union 50 X 40mm
INRU6340*	90620 63-40	Reducing Union 63 X 40mm
INRU6350*	90620 63-50	Reducing Union 63 X 50mm

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INRU5025A	90620 50-25	Reducing Union 50 X 25mm
INRU5032A	90620 50-32	Reducing Union 50 X 32mm
INRU6340A	90620 63-40	Reducing Union 63 X 40mm
INRU6350A	90620 63-50	Reducing Union 63 X 50mm

TECHNICAL SPECS

D1	D2	E1	E2	L	CH1	CH2
25	20	31.5	43.5	34.5	48	42	30
32	20	31.5	54	34.5	48.5	52	30
32	25	38.5	54	42.5	55	63	35
40	20	31.5	65	34.5	50	63	30
40	25	38.5	65	42.5	56.5	63	35
50	32	46	65	52	63.5	63	45
50	32	46	65	52	63.5	63	45
50	40	46	65	52	63.5	63	45
63	40	46	65	52	63.5	63	45
63	50	46	65	52	63.5	63	45

TECHNICAL SPECS ALUMINIUM

D1	D2	B	E1	E2	L	CH1	CH2
50	25	41	90	49	80	80	35
50	32	45	90	58	84	80	45
63	40	52	95	63	82.5	92	55
63	50	63.5	95	73	92.5	92	65

Reducer

CODE	ALT CODE	DESCRIPTION
INMAR5025	90621 50-25	Male Adaptor Reducer Aluminium 50mm x 25mm
INMAR5032	90621 50-32	Male Adaptor Reducer Aluminium 50mm x 32mm
INMAR5040	90621 50-40	Male Adaptor Reducer Aluminium 50mm x 40mm
INMAR6325	90621 63-25	Male Adaptor Reducer Aluminium 63mm x 25mm
INMAR6332	90621 63-32	Male Adaptor Reducer Aluminium 63mm x 32mm
INMAR6340	90621 63-40	Male Adaptor Reducer Aluminium 63mm x 40mm

TECHNICAL SPECS

D1	D2	B1	B2	E	L	CH1	CH2
50	25	68.5	40.5	49	140	55	35
50	32	68.5	45	58	144	55	45
50	40	68.5	52	63	139	65	55
63	25	62	40.5	49	133.5	65	35
63	32	62	45	58	137	65	45
63	40	62	52	63	133.5	65	55

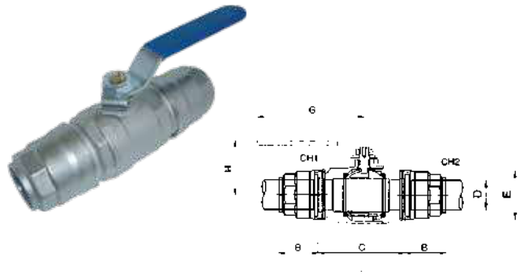
Female Reducer

CODE	ALT CODE	DESCRIPTION
INFR50A-1"1/2	90625 50-1"1/2	Female Reducer Aluminium 50mm - 1" 1/2
INFR63A-1"1/2	90625 63-1"1/2	Female Reducer Aluminium 63mm - 1" 1/2
INFR63A-2"	90625 63-2"	Female Reducer Aluminium 63mm - 2"

TECHNICAL SPECS ALUMINIUM

D	F	A	L	L1	CH
50	1" 1/2	20	83	61	55
63	1" 1/2	20	84	62	65
63	2"	22	90	62	65

Ball Valve Coupling



CODE	ALT CODE	DESCRIPTION
INBV20	90700 20	Ball Valve Coupling 20mm
INBV25	90700 25	Ball Valve Coupling 25mm
INBV32	90700 32	Ball Valve Coupling 32mm
INBV40	90700 40	Ball Valve Coupling 40mm
INBV50	90700 50	Ball Valve Coupling 50mm

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INBV50A	90700 50A	Ball Valve Coupling Aluminium 50mm
INBV63A	90700 63A	Ball Valve Coupling Aluminium 50mm

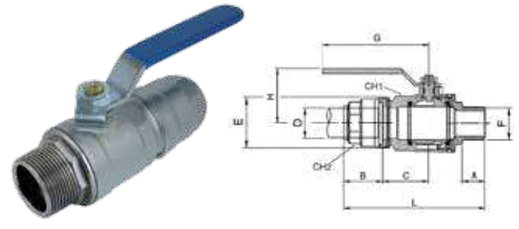
TECHNICAL SPECS ALUMINIUM

D	DN	B	C	E	L	CH1	CH2	G	H
50	46	65	115	84	245	69	74	134	72.5
63	59	57.5	126	94	232	89	75	240	111.5

TECHNICAL SPECS

D	DN	B	C	E	L	CH1	CH2	G	H
20	17	31.5	58.5	34.5	121.5	32	30	88	42
25	22	38.5	61.5	42.5	138.5	41	35	106	47.5
32	29	46	75	52	167	50	45	106	53
40	37	52.5	81	63	186	59	55	134	65
50	46	63.5	103	73	230	69	65	134	72.5

Ball Valve Tube To Male Thread BSP

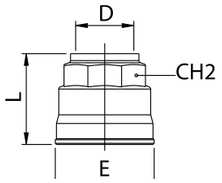


CODE	ALT CODE	DESCRIPTION
INBV20-1/2	90720 20-1/2	Ball Valve 20 X 1/2"
INBV25-3/4	90720 25-3/4	Ball Valve 25 X 3/4"

TECHNICAL SPECS

D	F	DN	A	B	C	E	L	CH1	CH2	G	H
20	1/2	15	18	31.5	29.3	34.5	100.8	32	30	88	42
25	3/4	20	18	38.5	30.8	42.5	119.3	41	35	106	47.5

Plug



CODE	ALT CODE	DESCRIPTION
INP20	90610 20	Plug 20mm
INP25	90610 25	Plug 25mm
INP32	90610 32	Plug 32mm
INP40	90610 40	Plug 40mm
INP50	90610 50	Plug 50mm
INP63	90610 63	Plug 63mm

TECHNICAL SPECS

D	L	E	CH2
20	33	34.5	30
25	39	42.5	35
32	46.5	52	45
40	53	63	55
50	62	73	65
50	73.5	84	72
63	64	94	75

Male Reducer

CODE	ALT CODE	DESCRIPTION
INMR20-1/2”	90627 20-1/2”	Male Reducer Aluminium 20-1/2”
INMR20-3/4”	90627 20-3/4”	Male Reducer Aluminium 20-3/4”
INMR25-1/2”	90627 25-1/2”	Male Reducer Aluminium 25-1/2”
INMR25-3/4”	90627 25-3/4”	Male Reducer Aluminium 25-3/4”
INMR25-1”	90627 25-1”	Male Reducer Aluminium 25-1”
INMR32-1”	90627 32-1”	Male Reducer Aluminium 32-1”

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INMR32-1 1/2”	90627 32-1 1/2”	Male Reducer Aluminium 32-1 1/2”
INMR40-1 1/2”	90627 40-1 1/2”	Male Reducer Aluminium 40-1 1/2”
INMR50-1 1/2”	90627 50-1 1/2”	Male Reducer Aluminium 50-1 1/2”
INMR50-2”	90627 50-2”	Male Reducer Aluminium 50-2”
INMR63-2”	90627 63-2”	Male Reducer Aluminium 63-2”
INMR63-2 1/2”	90627 63-2 1/2”	Male Reducer Aluminium 63-2 1/2”

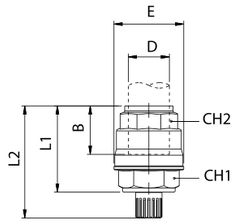
TECHNICAL SPECS

D	F	A	L	L1	CH
20	1/2	14	56	35	22
20	3/4	16.5	59.5	35	27
25	1/2	14	64	42	27
25	3/4	16.5	66.5	42	27
25	1"	19	71	42	34
32	1"	19	80	51	34

TECHNICAL SPECS ALUMINIUM

D	F	A	L	L1	CH
32	1" 1/2	21.5	87.5	51	50
40	1" 1/2	21.5	92	55.5	50
50	1" 1/2	21.5	105	68.5	55
50	2"	24	112.5	68.5	65
63	2"	24	108	62	65
63	2" 1/2	24	128	82	75

Drip Leg Drain

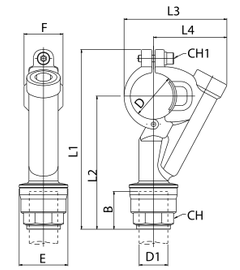


CODE	ALT CODE	DESCRIPTION
INDLD20	90260 20	Drip Leg Drain 20mm
INDLD25	90260 25	Drip Leg Drain 25mm
INDLD32	90260 32	Drip Leg Drain 32mm
INDLD40	90260 40	Drip Leg Drain 40mm
INDLD50	90260 50	Drip Leg Drain 50mm
INDLD63	90260 63	Drip Leg Drain 63mm

TECHNICAL SPECS

D	B	E	L1	L2	CH1	CH2
20	36	34.5	52.5	67	32	30
25	38.5	42.5	57.5	72	32	35
32	46	52	67.5	82	38	45
40	52	63	77	91.5	50	55
50	63.5	73	86.5	101	55	65
63	75.5	92	100.5	115	65	70

Saddle Clamp Connector

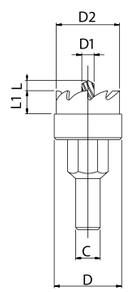


CODE	ALT CODE	DESCRIPTION
INSCC3220	90240 32-20	Saddle Clamp Connector 32 X 20mm
INSCC3225	90240 32-25	Saddle Clamp Connector 32 X 25mm
INSCC4020	90240 40-20	Saddle Clamp Connector 40 X 20mm
INSCC4025	90240 40-25	Saddle Clamp Connector 40 X 25mm
INSCC5020	90240 50-20	Saddle Clamp Connector 50 X 20mm
INSCC5025	90240 50-25	Saddle Clamp Connector 50 X 25mm
INSCC6320	90240 63-20	Saddle Clamp Connector 63 X 20mm
INSCC6325	90240 63-25	Saddle Clamp Connector 63 X 25mm

TECHNICAL SPECS

D	D1	B	E	F	L1	L2	L3	L4	CH	CH1
32	20	31.5	34.5	34	136.5	100.5	78	57	30	5
32	25	38.5	42.5	34	144.5	108.5	78	57	35	5
40	20	31.5	34.5	34	148.5	108	89.5	64	30	5
40	25	38.5	42.5	34	156.5	116	89.5	64	35	5
50	20	31.5	34.5	42.5	167.5	118.5	105.5	74	30	6
50	25	38.5	42.5	42.5	175.5	126.5	105.5	74	35	6
63	20	31.5	34.5	42.5	185	130	119	81	30	6
63	25	38.5	42.5	42.5	193	138	119	81	35	6

Tool For Saddle Clamp Connector



CODE	ALT CODE	DESCRIPTION
INSC32-40	90241 32-40	Tool For Saddle Clamp Connector
INSC50-63	90241 50-63	Tool For Saddle Clamp Connector

TECHNICAL SPECS

D	D1	F	L1	L2	L3	L4	CH
40	24.5	34	127	86.5	65	39.5	5
63	31.5	42.5	163.5	108.5	93	55	6

Female Saddle Clamp Connector

CODE	ALT CODE	DESCRIPTION
INFSC32	90246 32	Female Saddle Clamp Connector 32mm - 1/2”
INFSC40	90246 40	Female Saddle Clamp Connector 40mm - 1/2”
INFSC50	90246 50	Female Saddle Clamp Connector 50mm - 1/2”
INFSC63	90246 63	Female Saddle Clamp Connector 63mm - 1/2”

TECHNICAL SPECS

D	G	A	E	F	L1	L2	L3	L4	CH
32	1/2	13	25.5	34	115	79	78	57	5
40	1/2	13	25.5	34	125.5	85	89.5	64	5
50	1/2	13	25.5	42.5	144.5	95.5	105.5	74	6
63	1/2	13	25.5	42.5	162	107	119	81	6

Female Saddle Clamp Connector

CODE	ALT CODE	DESCRIPTION
INSCC2512	90247 25-1/2	Female Saddle Clamp Connector 25mm - 1/2”
INSCC3212	90247 32-1/2	Female Saddle Clamp Connector 32mm - 1/2”
INSCC4012	90247 40-1/2	Female Saddle Clamp Connector 40mm - 1/2”
INSCC5012	90247 50-1/2	Female Saddle Clamp Connector 50mm - 1/2”
INSCC6312	90247 63-1/2	Female Saddle Clamp Connector 63mm - 1/2”

TECHNICAL SPECS

D	G	A	F	L1	L2	L3	CH
25	1/2	15	25.5	50	39	55.5	5
32	1/2	15	34	63.5	42.5	61.5	5
40	1/2	15	34	71	46	70	5
50	1/2	15	42.5	83.5	52	84.5	6
63	1/2	15	42.5	95.5	57.5	97	6

Saddle Clamp Connector with Valve

CODE	ALT CODE	DESCRIPTION
INFSV25	90253 25	Female Saddle with Valve 25mm - 1/2”
INFSV32	90253 32	Female Saddle with Valve 32mm - 1/2”
INFSV40	90253 40	Female Saddle with Valve 40mm - 1/2”
INFSV50	90253 50	Female Saddle with Valve 50mm - 1/2”
INFSV63	90253 63	Female Saddle with Valve 63mm - 1/2”

TECHNICAL SPECS

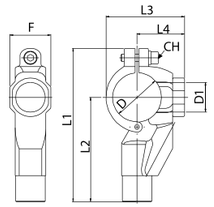
D	G	F	L1	L2	L3	CH1	CH2
25	1/2	25.5	161	97.5	55.5	5	25
32	1/2	34	168	104	61.5	5	25
40	1/2	34	176	112	70	5	25
50	1/2	42.5	188	125	84.5	6	25
63	1/2	42.5	200	137	97	6	25

INFINITY PIPE & FITTINGS
PIPING SYSTEMS & FITTINGS

Infinity Drill Tool

CODE	ALT CODE	DESCRIPTION
INDT2563	90252	Drilling Tool for sizes 25-32-40-50-63mm

Drilling Jig



CODE	ALT CODE	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

TECHNICAL SPECS

D	D1	F	L1	L2	L3	L4	CH
32	24.5	34	115	79	56	35	6
32	24.5	34	127	86.5	65	39.5	6
40	31.5	42.5	146	97	76	47.5	6
40	31.5	42.5	163.5	108.5	93	55	6

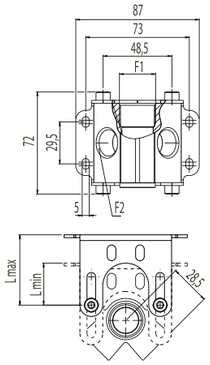
Drilling Jig

CODE	ALT CODE	DESCRIPTION
INDR25	90249 25	Drilling Jig 25mm
INDR32	90249 32	Drilling Jig 32mm
INDR40	90249 40	Drilling Jig 40mm
INDR50	90249 50	Drilling Jig 50mm
INDR63	90249 63	Drilling Jig 63mm

TECHNICAL SPECS

D	D1	F	L1	L2	L3	CH
25	17,8	25.5	53	32	55.5	5
32	24.5	34	56	35	61.5	5
40	24.5	34	65	40	70	5
50	32	42.5	79	47.5	84.5	6
63	32	42.5	93	55	97	6

Manifold - 2 Way

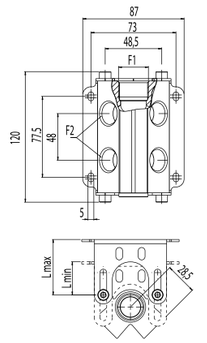


CODE	ALT CODE	DESCRIPTION
INM1/2-1/2	90642 1/2-1/2-2	2-Way Manifold 1/2 X 1/2"
INM3/4-1/2	90642 3/4-1/2-2	2-Way Manifold 3/4 X 1/2"

TECHNICAL SPECS

F1	F2	N°	LMAX	LMIN
1/2	1/2	2	40	22
3/4	1/2	2	40	22

Manifold - 4 Way

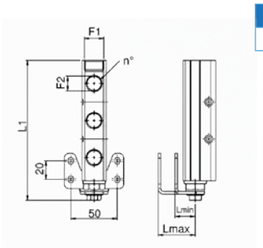


CODE	ALT CODE	DESCRIPTION
INM4-1/2	90644-1/2-4	4-Way Manifold 1/2"- 1/2"
INM4-3/4	90644-3/4-4	4-Way Manifold 3/4"- 1/2"

TECHNICAL SPECS

F1	F2	N°	LMAX	LMIN
1/2	1/2	4	40	22
3/4	1/2	4	40	22

Manifold - Parallel Holes



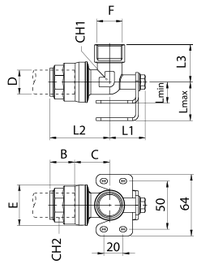
CODE	ALT CODE	DESCRIPTION
INM2	90647 1/2-3/8-2	2 Holes Manifold 1/2" X 3/8"

** While stock lasts*

TECHNICAL SPECS

F1	F2	N°	L1	LMAX	LMIN
1/2	3/8	2	111.5	40	22

Lugged Female Elbow

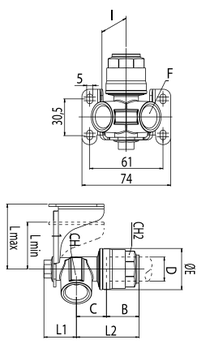


CODE	ALT CODE	DESCRIPTION
INLE2012	90600 20-1/2	Lugged Female Elbow 20mm X 1/2"
INLE2520	90600 25-3/4	Lugged Female Elbow 25mm X 3/4"
INLE3225	90600 32-1	Lugged Female Elbow 32mm X 1"

TECHNICAL SPECS

D	F	B	C	E	L1	L2	L3	LMAX	LMIN	CH1	CH2
20	1/2	31.5	19.5	34.5	35	51	35	40	22	21	30
25	3/4	38	23	42.5	37	62	39	40	22	26	35
32	1	46	28	52	41	74.5	48.5	40	22	34	45

Manifold

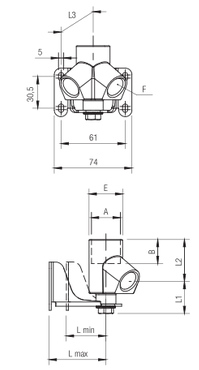


CODE	ALT CODE	DESCRIPTION
INM20-1/2	90602 20-1/2	2 Way Manifold 20-1/2"
INM25-1/2	90602 25-1/2	2 Way Manifold 25-1/2"

TECHNICAL SPECS

D	F	B	C	E	I	CH1	CH2	L1	L2	LMIN	LMAX
20	1/2	31.5	20	34.5	28.5	26	30	27	51.5	37	54
25	1/2	38	21	42.5	28.5	26	35	27	59	37	54

2 Way Inclined Manifold Female

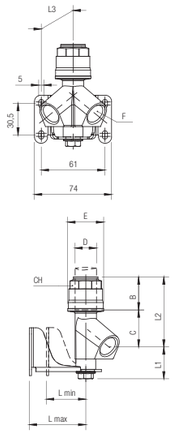


CODE	ALT CODE	DESCRIPTION
INMF1/2-1/2	90662 1/2-1/2	2-Way Manifold Female 1/2 X 1/2
INMF1/2-3/4	90662 1/2-3/4	2-Way Manifold Female 1/2 X 3/4

TECHNICAL SPECS

F	A	B	E	L1	L2	L3	Lmin	Lmax	Pack.
1/2	1/2	13	32	31	40.5	37.5	22	54	2
1/2	3/4	16.5	32	31	39	37.5	22	54	2

2 Way Inclined Manifold Tube-Female



CODE	ALT CODE	DESCRIPTION
INMF2012	90660 20-1/2	2-Way Manifold Female 20-1/2
INMF2512	90660 25-1/2	2-Way Manifold Female 25-1/2

TECHNICAL SPECS

D	F	B	C	E	L1	L2	L3	Lmin	Lmax	CH	Pack.
20	1/2	31.5	34.5	34.5	31	66	37.5	22	54	30	2
25	1/2	38.5	33	42.5	31	71.5	37.5	22	54	35	2

2 Way Inclined Manifold Valve-Female

CODE	ALT CODE	DESCRIPTION
INMB20-1/2	90664 20-1/2	2-Way Manifold With Ball Valve 20-1/2
INMB25-1/2	90664 25-1/2	2-Way Manifold With Ball Valve 25-1/2

TECHNICAL SPECS

D	F	B	E	L1	L2	L3	L4	L5	L min	L max	CH	Pack.
20	1/2	31.5	34.5	31	40.5	37.5	84.5	184	22	54	30	2
25	1/2	38.5	42.5	31	39	37.5	101.5	209	22	54	35	2

4-ways Nickel Plated Brass Distribution Manifold

CODE	ALT CODE	DESCRIPTION
INDM3/4-1/2	90790 3/4"-1/2"	4-way In-line Distribution Manifold 3/4"-1/2"
INDM1-1/2	90790 1"-1/2"	4-way In-line Distribution Manifold 1"-1/2"
INDM11/4-1/2	90790 1 1/4"-1/2"	4-way In-line Distribution Manifold 1 1/4"-1/2"

TECHNICAL SPECS

F	G	A	B	C	L	I
3/4	1/2	25	31	34	164	38
1"	1/2	30	37.5	37	174	38
1" 1/4	1/2	30	47	50	210	50

Ball Valve Tube-Tube with Padlock

CODE	ALT CODE	DESCRIPTION
INBVP20	90705 20	Ball Valve Tube-Tube with Padlock 20mm
INBVP25	90705 25	Ball Valve Tube-Tube with Padlock 25mm
INBVP32	90705 32	Ball Valve Tube-Tube with Padlock 32mm
INBVP40	90705 40	Ball Valve Tube-Tube with Padlock 40mm
INBVP50	90705 50	Ball Valve Tube-Tube with Padlock 50mm

ALUMINIUM

CODE	ALT CODE	DESCRIPTION
INBVP50A	90705 50A	Ball Valve Tube-Tube with Padlock Aluminium 50mm

TECHNICAL SPECS

D	DN	B	C	E	L	CH1	CH2	G	H	I	M
20	17	31.5	58.5	34.5	121.5	32	30	88	42	50,7	45
25	22	38.5	61.5	42.5	138.5	41	35	106	47.5	59.5	45
32	29	46	75	52	167	50	45	106	53	65	45
40	37	52.5	81	63	186	59	55	134	65	74.5	47
50	46	63.5	103	73	230	69	65	134	72.5	82	47

TECHNICAL SPECS ALUMINIUM

D	DN	B	C	E	L	CH1	CH2	G	H	I	M
50	46	65	115	84	245	69	74	134	72.5	82	47

Male Ball Valve with Padlock

CODE	ALT CODE	DESCRIPTION
INBVP20-1/2	90725 20	Male Ball Valve with Padlock 20-1/2"
INBVP25-3/4	90725 25	Male Ball Valve with Padlock 25-3/4"

TECHNICAL SPECS

D	F	D.N.	A	B	C	E	L	CH1	CH2	G	H	I	M
20	1/2	15	18	31.5	29.3	34.5	100.8	32	30	88	42	50,7	45
25	3/4	20	18	38.5	30.8	42.5	119.3	41	35	106	47.5	59.5	45

U-shaped Tube to Avoid Obstacles

CODE	ALT CODE	DESCRIPTION
INUT20	90805 20	U-shaped Tube to Avoid Obstacles 20mm
INUT25	90805 25	U-shaped Tube to Avoid Obstacles 25mm
INUT32	90805 32	U-shaped Tube to Avoid Obstacles 32mm
INUT40	90805 40	U-shaped Tube to Avoid Obstacles 40mm

TECHNICAL SPECS

D	A	B	C	E
20	690	753	394	605
25	690	755	389	604
32	690	773	352	604
40	690	784	289	583

Flexible Hose Connected

CODE	ALT CODE	DESCRIPTION
INFH20-0.75	90806 20-0.75	Flexible Hose Connected 20mm x 0.75m
INFH20-1	90806 20-1	Flexible Hose Connected 20mm x 1m
INFH20-2	90806 20-2	Flexible Hose Connected 20mm x 2m
INFH25-1	90806 25-1	Flexible Hose Connected 25mm x 1m
INFH25-2	90806 25-2	Flexible Hose Connected 25mm x 2m
INFH32-1	90806 32-1	Flexible Hose Connected 32mm x 1m
INFH32-2	90806 32-2	Flexible Hose Connected 32mm x 2m
INFH32-3	90806 32-3	Flexible Hose Connected 32mm x 3m
INFH40-1	90806 40-1	Flexible Hose Connected 40mm x 1m
INFH40-2	90806 40-2	Flexible Hose Connected 40mm x 2m
INFH40-3	90806 40-3	Flexible Hose Connected 40mm x 3m
INFH50-1.5	90806 50-1.5	Flexible Hose Connected 50mm x 1.5m
INFH50-2.5	90806 50-2.5	Flexible Hose Connected 50mm x 2.5m
INFH50-3.5	90806 50-3.5	Flexible Hose Connected 50mm x 3.5m
INFH63-1.5	90806 63-1.5	Flexible Hose Connected 63mm x 1.5m
INFH63-2.5	90806 63-2.5	Flexible Hose Connected 63mm x 2.5m
INFH63-3.5	90806 63-3.5	Flexible Hose Connected 63mm x 3.5m

Safety Kit for Flexible Hose Connected (90806)

CODE	ALT CODE	DESCRIPTION
INSK	90808	Safety Kit for Flexible Hose Connected (90806) one size

Pneumatic Axial Valve

CODE	ALT CODE	DESCRIPTION
INAV32	90740 32	Pneumatic Axial Valve 32mm
INAV40	90740 40	Pneumatic Axial Valve 40mm
INAV50	90740 50	Pneumatic Axial Valve 50mm
INAV63	90740 63	Pneumatic Axial Valve 63mm

TECHNICAL SPECS

D	KV	A	B	C	E	F	CH2	G	H
32	78	198	46	89	52	92,6	45	88	42
40	101	208	52	89	63	92,6	55	106	47.5
50	168	249	63.5	109	73	110	65	106	53
63	300	269	57.5	139	94	140,3	75	134	65

infinity
pipe systems

80-168MM PIPING SYSTEMS & FITTINGS

The 80-168mm diameter Infinity pipe and fittings are especially designed for heavy industrial uses. The range offers a high quality and durable piping system.

80-168mm Aluminium Air Pipe - Blue

CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
IN80X6M	900006 80	Aluminium Pipe 80mm X 6m	2931
IN110X6M	900006 110	Aluminium Pipe 110mm X 6m	3531
IN168X6M	900006 168	Aluminium Pipe 168mm X 6m	

TECHNICAL SPECS

Ø EXT.	THICKNESS	PRESSURE	WEIGHT	LENGTH
20 mm	1.5 mm	16 Bar	235 gr/m	5.95 m
25 mm	1.5 mm	16 Bar	298 gr/m	5.95 m
32 mm	1.5 mm	16 Bar	387 gr/m	5.95 m
40 mm	1.5 mm	16 Bar	490 gr/m	5.95 m
50 mm	2 mm	16 Bar	814 gr/m	5.95 m
63 mm	2 mm	16 Bar	1034 gr/m	5.95 m
80 mm	2 mm	16 Bar	1283 gr/m	5.95 m
110 mm	2.5 mm	16 Bar	2280 gr/m	5.95 m
168 mm	4 mm	16 Bar	5700 gr/m	5.95 m

80-168mm Aluminium Nitrogen Pipe - Green

CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
IN80X6G	900006 80 G	Aluminium Pipe Green 80m x 6m	2931
IN110X6G	900006 110 G	Aluminium Pipe Green 110m x 6m	3531

TECHNICAL SPECS

Ø EXT.	THICKNESS	PRESSURE	WEIGHT	LENGTH
20 mm	1.5 mm	16 Bar	235 gr/m	5.95 m
25 mm	1.5 mm	16 Bar	298 gr/m	5.95 m
32 mm	1.5 mm	16 Bar	387 gr/m	5.95 m
40 mm	1.5 mm	16 Bar	490 gr/m	5.95 m
50 mm	2 mm	16 Bar	814 gr/m	5.95 m
63 mm	2 mm	16 Bar	1034 gr/m	5.95 m
80 mm	2 mm	16 Bar	1283 gr/m	5.95 m
110 mm	2.5 mm	16 Bar	2280 gr/m	5.95 m

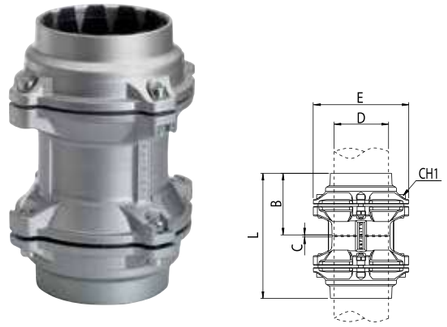
80-110mm Aluminium Air Pipe - Grey

CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
IN80X6GR	900006 80 GR	Aluminium Pipe Grey 80m x 6m	2931
IN110X6GR	900006 110 GR	Aluminium Pipe Grey 110m x 6m	3531

TECHNICAL SPECS

Ø EXT.	THICKNESS	PRESSURE	WEIGHT	LENGTH
20 mm	1.5 mm	16 Bar	235 gr/m	5.95 m
25 mm	1.5 mm	16 Bar	298 gr/m	5.95 m
32 mm	1.5 mm	16 Bar	387 gr/m	5.95 m
40 mm	1.5 mm	16 Bar	490 gr/m	5.95 m
50 mm	2 mm	16 Bar	814 gr/m	5.95 m
63 mm	2 mm	16 Bar	1034 gr/m	5.95 m
80 mm	2 mm	16 Bar	1283 gr/m	5.95 m
110 mm	2.5 mm	16 Bar	2280 gr/m	5.95 m
168 mm	4 mm	16 Bar	5700 gr/m	5.95 m

80-168mm Coupling

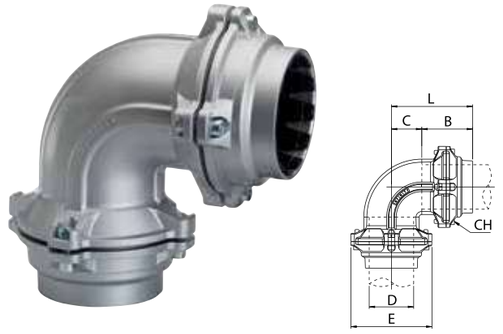


CODE	ALT CODE	DESCRIPTION
INC80	90040 80	Coupling 80mm
INC110	90040 110	Coupling 110mm
INC168	90040 168	Coupling 168mm

TECHNICAL SPECS

D	B	C	E	L	CH1
80	91	3.5	145	186	6
110	125.5	4	200	255	8
168	194	5	306	393	10

80-168mm Elbow



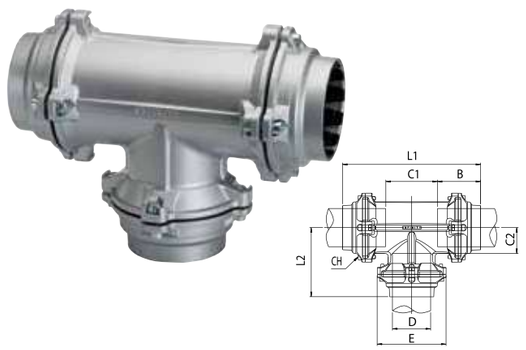
INT110

CODE	ALT CODE	DESCRIPTION
INE80	90130 80	Elbow 80mm
INE110	90130 110	Elbow 110mm
INE168	90130 168	Elbow 168mm

TECHNICAL SPECS

D	B	C	E	L	CH
80	91	54.5	145	146	6
110	125.5	75	200	200.5	8
168	194	81.5	306	393	10

80-168mm Tee

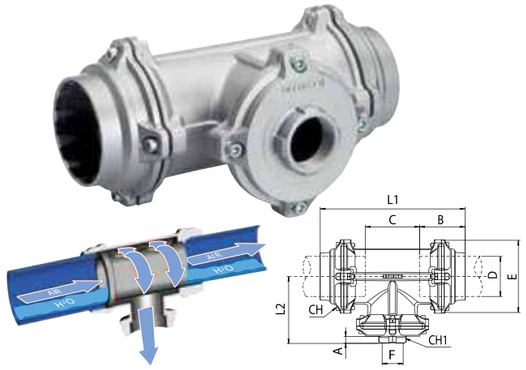


CODE	ALT CODE	DESCRIPTION
INT80	90230 80	Tee 80mm
INT110	90230 110	Tee 110mm
INT168	90230 168	Tee 168mm

TECHNICAL SPECS

D	E	B	C1	C2	L1	L2	CH
80	145	91	109	54.5	291.5	138	6
110	200	125.5	150.5	75	401	200.5	8
168	306	194	235	117.5	623	311.5	10

80-168mm Female Tee (Zero Condensate)

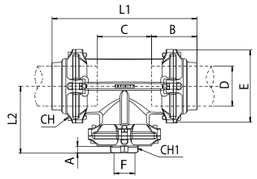


CODE	ALT CODE	DESCRIPTION
INTF80-3/4	90250 80-3/4	Zero Condensate Female Tee 80 X 3/4"
INTF110-3/4	90250 110-3/4	Zero Condensate Female Tee 110 X 3/4"
INTF168-3/4	90250 168-3/4	Zero Condensate Female Tee 168 X 3/4"

TECHNICAL SPECS

D	F	A	B	C	E	L1	L2	CH	CH1
80	3/4	14.5	91	109	145	291.5	138	6	˙42
110	3/4	14.5	125.5	150.5	200	401	180	8	42
168	3/4	14.5	194	235	306	623	275	10	41.5

80-168mm Female Tee

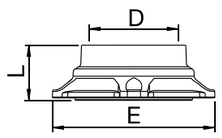


CODE	ALT CODE	DESCRIPTION
INTF80-3/4	90236 80-3/4	Female Tee 80 X 3/4"
INTF80-1	90236 80-1	Female Tee 80 X 1"
INTF80-1 1/2	90236 80-11/2	Female Tee 80 X 1 1/2"
INTF80-2	90236 80-2	Female Tee 80 X 2"
INTF110-3/4	90236 110-3/4	Female Tee 110 X 3/4"
INTF110-1	90236 110-1	Female Tee 110 X 1"
INTF110-11/2	90236 110-11/2	Female Tee 110 X 1 1/2"
INTF110-2	90236 110-2	Female Tee 110 X 2"
INTF110-3	90236 110-3	Female Tee 110 X 3"
INTF168-3/4	90236 168-3/4	Female Tee 168 X 3/4"
INTF168-1	90236 168-1	Female Tee 168 X 1"
INTF168-2	90236 168-2	Female Tee 168 X 2"
INTF168-3	90236 168-3	Female Tee 168 X 3"
INTF168-4	90236 168-4	Female Tee 168 X 4"

TECHNICAL SPECS

D	F	A	B	C	E	L1	L2	CH	CH1
80	3/4	14.5	91	109	145	291.5	138	6	42
80	1"	17	91	109	145	291.5	138	6	49
80	1 ½"	20	91	109	145	291.5	138	6	66
80	2"	22	91	109	145	291.5	138	6	80
110	3/4	14.5	125.5	150.5	200	401	180	8	42
110	1"	17	125.5	150.5	200	401	180	8	49
110	1 ½"	20	125.5	150.5	200	401	180	8	66
110	2"	22	125.5	150.5	200	401	180	8	80
110	3"	24	125.5	150.5	200	401	187.5	8	120
168	3/4	14.5	194	235	306	623	275	10	41.5
168	1"	17	194	235	306	623	277	10	48
168	2"	22	194	235	306	623	277	10	78
168	3"	24	194	235	306	623	277	10	119
168	4"	24	194	235	306	623	286	10	124

80-168mm Plug

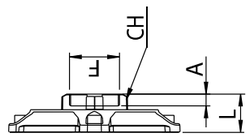


CODE	ALT CODE	DESCRIPTION
INP80	90610 80	Plug 80mm
INP110	90610 110	Plug 110mm

TECHNICAL SPECS

D	L	E
80	49.5	145
110	68	200

80-168mm Female Reducer

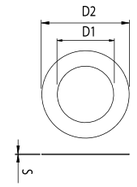


CODE	ALT CODE	DESCRIPTION
INFD80-3/4	90630 80-3/4	Female Reducer 80 X 3/4"
INFD80-1	90630 80-1	Female Reducer 80 X 1"
INFD80-11/2	90630 80-11/2	Female Reducer 80 X 1 1/2"
INFD80-2	90630 80-2	Female Reducer 80 X 2"
INFD110-3/4	90630 110-3/4	Female Reducer 110 X 3/4"
INFD110-1	90630 110-1	Female Reducer 110 X 1"
INFD110-11/2	90630 110-11/2	Female Reducer 110 X 1 1/2"
INFD110-2	90630 110-2	Female Reducer 110 X 2"
INFD110-3	90630 110-3	Female Reducer 110 X 3"
INFD168-3/4	90630 168-3/4	Female Reducer 168 X 3/4"
INFD168-1	90630 168-1	Female Reducer 168 X 1"
INFD168-2	90630 168-2	Female Reducer 168 X 2"
INFD168-3	90630 168-3	Female Reducer 168 X 3"
INFD168-4	90630 168-4	Female Reducer 168 X 4"

TECHNICAL SPECS

D	F	A	L	CH
80	3/4	14.5	42	42
80	1"	17	42	49
80	1 ½"	20	42	66
80	2"	22	42	80
110	3/4	14.5	48	42
110	1"	17	48	49
110	1 ½"	20	48	66
110	2"	22	48	80
110	3"	24	51.5	120
168	3/4"	14.5	99.5	42
168	1"	17	102	49
168	2"	22	102	80
168	3"	24	108.5	120
168	4"	24	110	145

80-168mm Flat Gasket

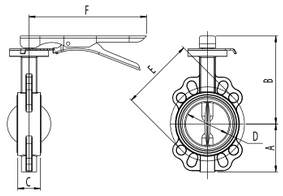


CODE	ALT CODE	DESCRIPTION
INGAS80	90017 80	Flat Gasket 80mm
INGAS110	90017 110	Flat Gasket 110mm
INGAS168	90017 168	Flat Gasket 168mm

TECHNICAL SPECS

D	D1	D2	S
80	89	131	2
110	105	162	2
168	169	220	2

80-168mm Butterfly Valve + Screws + Nuts +Washers



CODE	ALT CODE	DESCRIPTION
INBV80	90710 80	Butterfly Valve 80mm
INBV110	90710 110	Butterfly Valve 110mm
INBV168	90710 168	Butterfly Valve 168mm

TECHNICAL SPECS

D	DN	A	B	C	E	F
80	77	87	216	46	160	210
110	100	106	201	52	180	210
168	150	126	202	56	240	265

80-168mm Flanged Tube

CODE	ALT CODE	DESCRIPTION
INFT80	90013 80	Flanged Tube 80mm
INFT110	90013 110	Flanged Tube 110mm
INFT168	90013 168	Flanged Tube 168mm

TECHNICAL SPECS

D	B	C	E	F	L	D1	I
80	25	20	200	130	131	18	160
110	25	20	220	158	166	18	180
168	27	22	285	216	266	22	240

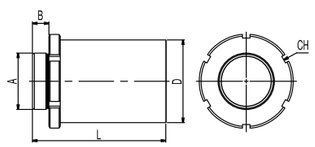
80-168mm Flanged Tube ANSI 150-LB

CODE	ALT CODE	DESCRIPTION
INFT80-2	90014 80	Flanged Tube ANSI 150-LB 80mm
INFT110-2	90014 110	Flanged Tube ANSI 150-LB 110mm
INFT168-2	90014 168	Flanged Tube ANSI 150-LB 168mm

TECHNICAL SPECS

D	B	C	E	F	L	D1	I
80	25	20	190.5	130	131	19	152.4
110	25	20	228,6	158	166	19	190.5
168	27	22	297.5	216	266	22	241.5

80-110mm Male-Tube Reducer

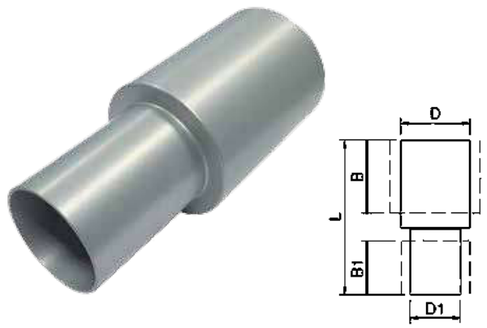


CODE	ALT CODE	DESCRIPTION
INTB80-2 1/2	90020 80-2 1/2	Tube 80mm - 2 ½”
INTB80-3	90020 80-3	Tube 80mm - 3”
INTB110-2 1/2	90020 110-2 1/2	Tube 110mm - 2 ½”
INTB110-3	90020 110-3	Tube 100mm - 3”
INTB110-4	90020 110-4	Tube 100mm - 4”

TECHNICAL SPECS

D	A	B	L	CH
80	2 ½”	22	143	100
80	3”	23	144	100
110	2 ½”	22	178	125
110	3”	23	179	125
110	4"	23	179	125

80-168mm Reducing Tube



CODE	ALT CODE	DESCRIPTION
INTR80	90012 80-50	80-50mm Reducing Tube
INTR80	90012 80-63	80-63mm Reducing Tube
INTR110	90012 110-80	110-80mm Reducing Tube
INTR168	90012 168-110	168-110mm Reducing Tube

TECHNICAL SPECS

D	D1	B	B1	L
80	50	91	63.5	167
80	63	91	57.5	168
110	80	125.5	91	247
168	110	194	125.5	384

Tube-Tube Cross Fitting

CODE	ALT CODE	DESCRIPTION
INCFTT 80	90300 80	Infinity Intermediate Cross Fitting Tube-Tube 80mm
INCFTT 110	90300 110	Infinity Intermediate Cross Fitting Tube-Tube 110mm
INCFTT 168	90300 168	Infinity Intermediate Cross Fitting Tube-Tube 168mm

TECHNICAL SPECS

D	B	L
40	52	225
50	58.5	225
63	57.5	255
80	91	350
110	125.5	470
168	194	680

80-168mm Flange Fixings Kit

CODE	ALT CODE	DESCRIPTION
INFK80	90019 80	Flange Kit 80mm - 65mm length
INFK110	90019 110	Flange Kit 110mm - 65mm length

TECHNICAL SPECS

THREAD	SIZE
M16	70 mm
M20	80 mm

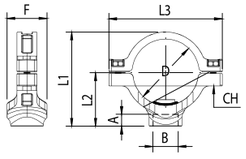
80-168mm Collar

CODE	ALT CODE	DESCRIPTION
INCO80	90820 80	Collar 80mm
INCO110	90820 110	Collar 110mm
INCO168	90820 168	Collar 168mm

TECHNICAL SPECS

D	H	A
20	M8 / M10	36
25	M8 / M10	38
32	M8 / M10	42
40	M8 / M10	47
50	M8 / M10	52
63	M8 / M10	56
80	M8 / M10	64
110	M8 / M10	79
168	M10 / M12	114

80-168mm Female Saddle Clamp Connector

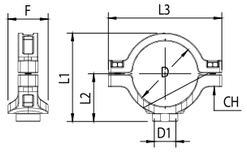


CODE	ALT CODE	DESCRIPTION
INSCC8020	90247 80-3/4	Saddle Clamp Connector 80mm - 3/4
INSCC8025	90247 80-1	Saddle Clamp Connector 80mm - 1”
INSCC11020	90247 110-3/4	Saddle Clamp Connector 110mm - 3/4
INSCC11025	90247 110-1	Saddle Clamp Connector 110mm - 1”
INSCC11050	90247 110-2	Saddle Clamp Connector 110mm - 2”
INSCC16820	90247 168-3/4	Saddle Clamp Connector 168mm -3/4”
INSCC16825	90247 168-1	Saddle Clamp Connector 168mm - 1”
INSCC16840	90247 168-1 1/2	Saddle Clamp Connector 168mm - 1 1/2”
INSCC16850	90247 168-2	Saddle Clamp Connector 168mm - 2”

TECHNICAL SPECS

D	B	A	F	L1	L2	L3	CH
80	3/4	16.5	50	117.5	66.5	141.5	6
80	1"	19	50	120	69	141.5	6
110	3/4	16.5	50	152.5	82	189.5	8
110	1"	19	50	155	84.5	189.5	8
110	2"	22	71	165	94	189.5	8
168	3/4	16.5	52	213	114	249	8
168	1"	19	52	213	114	249	8
168	1"1/2	19	74	213	114	249	8
168	2"	22	74	213	114	249	8

80-168mm Drill Jig



CODE	ALT CODE	DESCRIPTION
INDR80	90249 80	80mm Drilling Jig
INDR110	90249 110	110mm Drilling Jig
INDR110-2	90249 110-2	Drilling Jig suitable for 110mm - up to 2”
INDR168-3/4-1	90249 168-3/4-1	Drilling Jig suitable for 168mm 3/4” - 1”
INDR168-11/2-2	90249 168-11/2-2	Drilling Jig suitable for 168mm 1 1/2” - 2”

TECHNICAL SPECS

D	D1	F	L1	L2	L3	CH
80	24.5	50	110.5	59.5	141.5	6
110	24.5	50	135.5	64.5	189.5	8
110 2"	41.5	71	147	77	189.5	8
168 3/4 - 168 1"	24.5	52	201.5	102.5	248.5	8
168 1"1/2 - 168 2"	41.5	74	204.5	105.5	248.5	8

80-110mm 135° Elbow

CODE	ALT CODE	DESCRIPTION
INEC80	90140 80	Elbow 135° 80mm
INEC110	90140 110	Elbow 135° 110mm

TECHNICAL SPECS

D	B	C	E	L	CH
80	91	22.5	145	114	6
110	125.5	31	200	156.5	8

168mm 135° Tube

CODE	ALT CODE	DESCRIPTION
INECTT168	90140 168	Elbow 135° Tube-Tube 168mm

TECHNICAL SPECS

D	B	L
168	194	330

NOTES

CUSTOM DROPPER PACKAGES

Custom compressed air dropper packages designed specifically for your requirements.

From basic dropper assemblies to fully integrated systems with filters, regulators, and retractable hoses, we'll help you build the ideal setup for your workflow.

Custom Dropper Packages

Tailored Solutions for Your Application

Every workspace is different—and so are your compressed air needs. That's why we offer custom compressed air dropper packages designed specifically for your requirements. Whether you're outfitting a single station or an entire facility, we can create a solution that balances performance, efficiency, and safety.

From basic dropper assemblies to fully integrated systems with filters, regulators, and retractable hoses, we'll help you build the ideal setup for your space, tools, and workflow.

What we offer:

- ➔ Custom configurations based on your layout
- ➔ Wide range of compatible components
- ➔ Optional filtration, regulation, and quick-connect fittings
- ➔ Solutions for both light-duty and industrial-grade environments

We've included some dropper package examples on the following pages to showcase the flexibility and variety of solutions available. Each of these is shown in 25mm sizing in a straightforward configuration, but we have a range of piping sizes, elbows, and tee's to meet your needs. Use these as a starting point—or let us help you build your own from the **ground up.**

Example 1: Basic Assembly for Small Workshop

Client: Automotive repair shop

Application: Occasional use for pneumatic tools and tyre inflation

Dropper Package Components:

QTY	DESCRIPTION	CODE(25MM)
1	Pipe 6m	IN25X6M
1	Reducing Tee	INRT3225
1	Female Tee	INTF25-1/2
1	Hose Reel	HR1318
1	2-Way Manifold	INM25-1/2
2	Quick Connect Coupling 1/2"	INNSC-40SM
2	Clips	PCC-25

Why It Works

A simple, cost-effective setup for a compact space. The quick-connect coupling and retractable hose reel offer flexibility without cluttering the workspace.

Example 2: Heavy-Duty Assembly for Manufacturing Line

Client: Industrial fabrication plant

Application: Continuous operation of pneumatic drills and riveters

Dropper Package Components:

QTY	DESCRIPTION	CODE(25MM)
1	Pipe 6m	IN25X6M
1	Reducing Tee	INRT3225
1	2 Way Manifold	INM2-3/4
1	Male Adaptor 25mm - 3/4"	INMA2520
2	Nipple 1/2"	2000 1/2
1	Mini OFR Filter Regulator 1/2"	IN-FR3000-1/2
1	Mini OL Lubricator 1/2"	IN-L3000-1/2
1	Quick Connect Coupling 1/2"	INNSC-40SM
2	Clips	PCC-25

Why It Works

Engineered for durability and maximum airflow under heavy load. The FRL unit protects tools and ensures optimal performance. Dual outlets allow multiple operators to work simultaneously.

Example 3: Multi-Drop Setup for Woodworking Shop

Client: Cabinet manufacturing facility

Application: Supplying air to multiple stations for sanders, brad nailers, and sprayers

Dropper Package Components:

QTY	DESCRIPTION	CODE(25MM)
1	Pipe 6m	IN25X6M
1	Reducing tee	INRT3225
1	Male Ball Valve 25mm - 3/4"	INBV25-3/4
1	4 Way Manifold	INM4-3/4
4	Quick Connect Coupling 1/2"	INNSC-40SM
2	Clips	PCC-25

Why It Works

Consistent pressure and cleanliness across several workstations, with easy shut-off when not in use. Rotating fittings reduce hose strain and improve ergonomics.

NOTES

FILTERS, REGULATORS & LUBRICATORS

Infinity filters remove solid particles and condensate produced by the compressor. The range includes standard filters, regulators and lubricators for points of use.

OFR Filter Regulator

The Infinity OFR combines a filter and a regulator in a single unit. It works to both clean the compressed air of fluid, oil, condensation and dirt particles, and to maintain constant operating pressure despite fluctuation in line pressure and the amount of air consumed.

Its 16 bar pressure rating makes the OFR filter regulator a perfect compliment to the Infinity aluminium pipe.

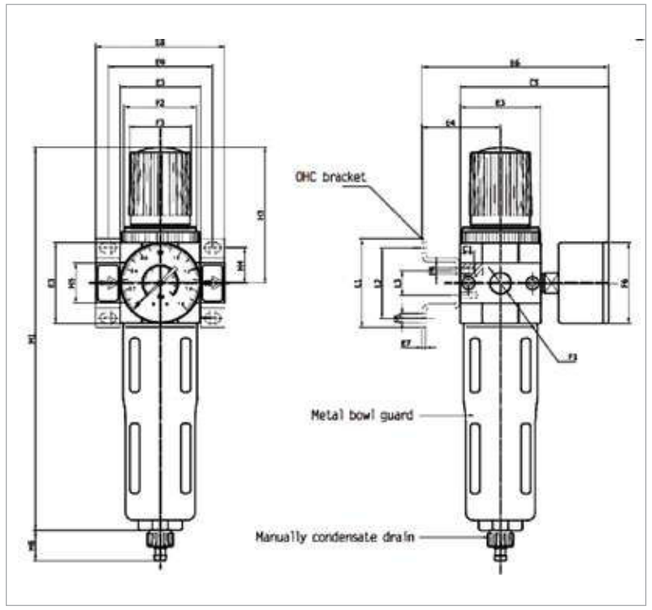
Features

- **Pipe mounting or foot mounting**
- **Complete with gauge and bracket**
- **Grade of filtration: 40µm**

Specs

CODE	SIZE	DESCRIPTION	RATED FLOW (L/MIN)	PORT SIZE	MAX PRESSURE PSI	MAX CONDENSATE CAPACITY	MAX TEMP
IN-FR2000-1/4	MINI	OFR Filter Reg Mini 1/4”	1400	1/4	16 bar	22ml	0 - 60°C
IN-FR3000-1/4	MIDI	OFR Filter Reg Midi 1/4”	3000	1/4		43ml	
IN-FR3000-1/2		OFR Filter Reg 1/2”	3400	1/2			
IN-FR5000-3/4	MAXI	OFR Filter Reg 3/4”	9000	3/4		80ml	
IN-FR5000-1		OFR Filter Reg 1”	10000	1			

Dimensional Drawings

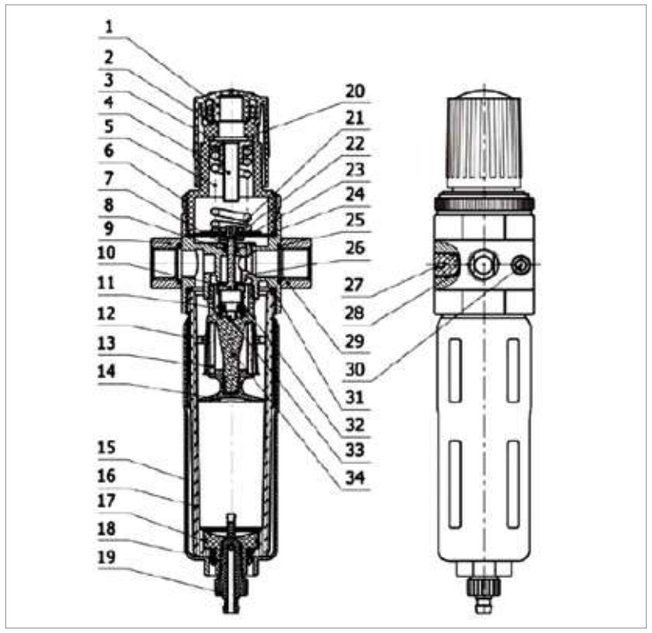


SIZE	E3	E4	E5	E6	E8	E9	F1
MINI	40	39	76	95	64	52	1/4”
MIDI	55	47	93	112	85	70	1/4”, 1/2”
MAXI	66	53	104	124	96.1	80.9	3/4”, 1”

SIZE	F2	F3	F4	F5	F6	L1	L2
MINI	M36*1.5	31	M4	4.5	40	44	35
MIDI	M52*1.5	50	M5	5.5	52	71	60
MAXI	M36*1.5	31	M5	5.5	63	71	60

SIZE	L3	H1	H3	H4	H5	H6
MINI	11	194	69	17.5	20	15
MIDI	22	250	98	24.5	32	15
MAXI	22	252	80	24.5	32.4	15

Structural Diagram - Main Parts



NO.	DENOMINATION	MATERIAL
1	Pressure knob	POM
2	Regulator cap	POM
3	Regulator nut	S35C
4	Adjusting spindle	S35C
5	Pressure spring	SWC
6	Fixed ring	6061-T6
7	One part of membrane	PA6+G15
8, 11, 17, 25, 28, 31	O-ring	NBR
9	Flange IN	Zinc alloy
10	Spool	Brass
12	Whirlwind impeller	POM
13	Filter element	PE
14	Manger	POM
15	Metal bowl guard	Aluminium alloy
16	Filter bowl	PC
18	Inner joint	POM
19	Condensate drain	POM
20	Wearing sheet	Insulation sheet
21	OR sheet	NBR
22	Overflow base	6061-T6
23	One part of diaphragm	SPCC
24	Diaphragm	NBR
26	OR body	Zinc alloy
27	Plug	POM
29	Flange OUT	Zinc alloy
30	Allen screw	S35C
32	Spring	SWPB
33	Fasteners	Brass
34	Filter element base	POM

OR Regulator

In all pneumatic systems, the pressure of the air can fluctuate. This is normally caused by air being exhausted from the compressor tank into the system, or when the tank is replenished by the compressor.

The OR regulator maintains constant operating pressure in the system, despite fluctuation in line pressure and air consumption, and offers various range settings allowing the pressure to be adjusted to the required level.

The Infinity OR regulator offers a 16 bar maximum pressure rating, making it a perfect compliment to the Infinity aluminium pipe, and is available in a tamper proof option. It features a diaphragm type structure and pipe or bracket mounting, and is best used in conjunction with the Infinity OF filter.

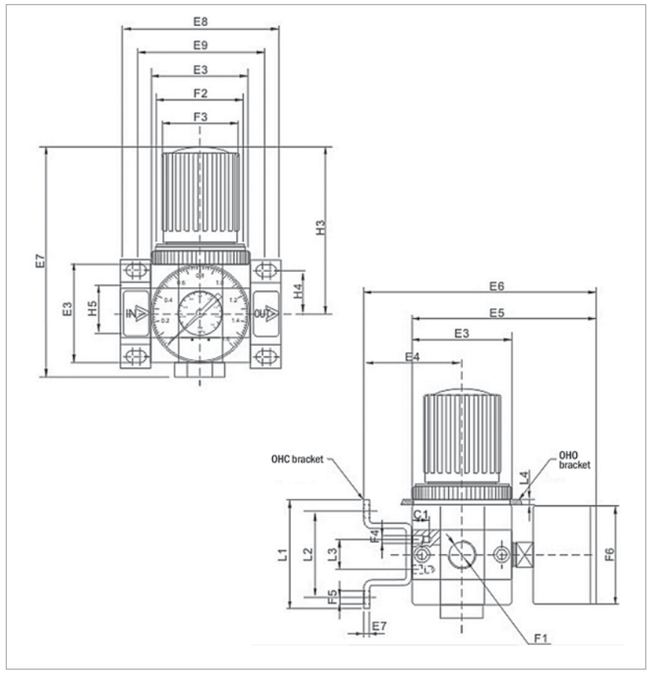
Features

- Pipe mounting or foot mounting
- Complete with gauge and bracket

Specs

CODE	SIZE	DESCRIPTION	RATED FLOW (L/MIN)	PORT SIZE	MAX PRESSURE PSI	MAX TEMP
IN-R2000-1/4	MINI	OR Regulator Mini 1/4”	1500	1/4	16 bar	0 - 60°C
IN-R3000-1/4	MIDI	OR Regulator Midi 1/4”	3000	1/4		
IN-R3000-1/2		OR Regulator Midi 1/2”	3500	1/2		
IN-R5000-3/4	MAXI	OR Regulator Maxi 3/4”	11000	3/4		
IN-R5000-1		OR Regulator Maxi 1”	11500	1		

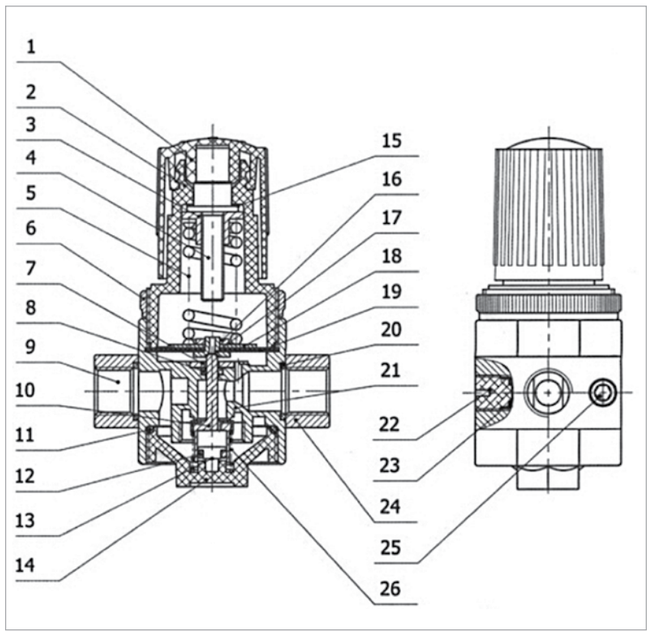
Dimensional Drawings



SIZE	E3	E4	E5	E6	E8	E9	F1	F2	F3
MINI	40	39	76	95	64	52	1/4”	M36*1.5	31
MIDI	55	47	93	112	85	70	1/4”, 1/2”	M52*1.5	50
MAXI	66	53	104	124	96.12	80.91	3/4”, 1”	M36*1.5	31

SIZE	F4	F5	F6	L1	L2	L3	L4	H3	H4	H7
MINI	M4	4.5	40	44	35	11	Max.3	69	17.5	96
MIDI	M5	5.5	52	71	60	22	Max.5	98	24.5	96
MAXI	M5	5.5	63	71	60	22	Max.4	80	24.5	96

Structural Diagram - Main Parts



NO.	DENOMINATION	MATERIAL
1	Pressure knob	POM
2	Regulator cap	POM
3	Regulator nut	S35C
4	Adjusting spindle	S35C
5	Pressure spring	SWC
6	Fixed ring	6061-T6
7	One part of membrane	NBR
8	O-ring	NBR
9	Flange IN	Zinc alloy
10	Spool	BRass
11	O-ring	NBR
12	O-ring	NBR
13	Fasteners	Brass
14	Locker cover	Zinc alloy
15	Wearing sheet	Insulation sheet
16	OR Sheet	NBR
17	Overflow base	6061-T6
18	One part of diaphragm	SPCC
19	Diaphragm	NBR
20	O-ring	NBR
21	OR body	Zinc alloy
22	Plug	POM
23	O-ring	NBR
24	Flange OUT	Zinc alloy
25	Allen screw	S35C
26	Spring	SWPB

OF Filter

Almost any pneumatic system will function better and for a longer period with properly conditioned air. In fact, many system components, such as air cylinders and motors, may be vulnerable to significant damage from dirty or un-lubricated air.

The Infinity OF filter, complete with water separator, removes fluid, oil, condensation and dirt particles from the air stream to protect downstream equipment from contamination.

As air enters the filter, internal baffles create a swirling motion in the air so that dirt and liquids are thrown against the sides of the filter bowl.

While other filters on the market normally consist of a piston style system, the OF filter features a diaphragm, resulting in a larger internal area and more control.

A market leading product, the OF filter offers a 16 bar maximum pressure rating, making it a perfect compliment to the Infinity aluminium pipe.

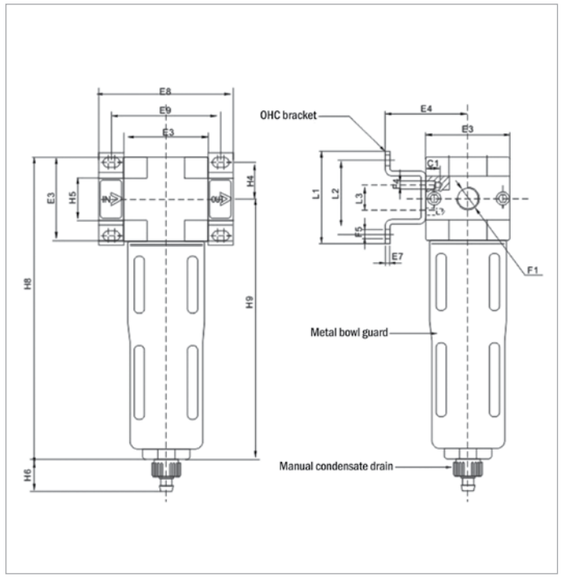
Features

- Sintered filter with water separator
- Pipe mounting or foot mounting
- Comes with bracket
- Grade of filtration: 40µm

Specs

CODE	SIZE	DESCRIPTION	RATED FLOW (L/MIN)	PORT SIZE	MAX PRESSURE PSI	MAX. CONDENSATE CAPACITY	MAX TEMP
IN-F2000-1/4	MINI	OF Filter Mini 1/4”	1200	1/4	16 bar	22ml	0-60˚C
IN-F3000-1/4	MIDI	OF Filter Midi 1/4”	2500	1/4		43ml	
IN-F3000-1/2		OF Filter Midi 1/2”	3000	1/2			
IN-F5000-3/4	MAXI	OF Filter Maxi 3/4”	5000	3/4		80ml	
IN-F5000-1		OF Filter Maxi 1”	5300	1			

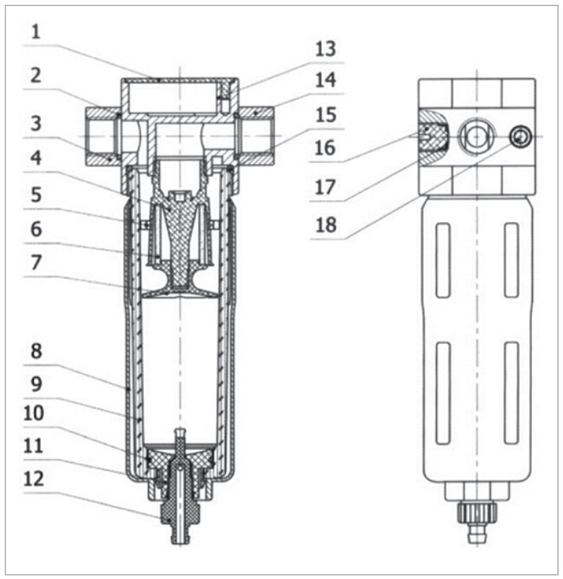
Dimensional Drawings



SIZE	E3	E4	E7	E8	E9	F1	F4	F5
MINI	40	39	2	64	52	1/4”	M4	4.5
MIDI	55	47	3	85	70	1/4”, 1/2”	M5	5.5
MAXI	66	53	3	96.116	80.91	3/4”, 1”	M5	5.5

SIZE	L1	L2	L3	H4	H5	H6	H8	H9
MINI	44	35	11	17.5	20	15	144	129
MIDI	71	60	22	24.5	32	15	179	156
MAXI	71	60	22	24.5	32.40	15	203	175

Structural Diagram - Main Parts



NO.	DENOMINATION	MATERIAL
1	Ornament cover (round)	POM
2	O-ring	NBR
3	Flange - IN	Zinc alloy
4	Filter element base	POM
5	Whirlwind impeller	POM
6	Filter element	PE
7	Manger	POM
8	Metal bowl guard	Aluminium alloy
9	Filter bowl	PC
10	O-ring	NBR
11	Inner joint	POM
12	Condensate drain	POM
13	OF body	Zinc alloy
14	Flange - OUT	Zinc alloy
15	O-ring	NBR
16	Plug	POM
17	O-ring	NBR
18	Allen screw	S35C

OL Lubricator

Many components in a pneumatic system must be lubricated, especially ones with moving parts.

The Infinity OL lubricator is a direct constant-density lubricator that adds regulated quality oil to the compressed air, using a valve to keep oil mist content proportional to the compressed air flow. The oil drip rate is controlled by means of the regulating screw, for which 1 to 12 drops/1000L air is usually sufficient.

The OL lubricator offers a 16 bar maximum pressure rating, making it a perfect compliment to the Infinity aluminium pipe, and is best used in conjunction with the Infinity OF filter and OR regulator.

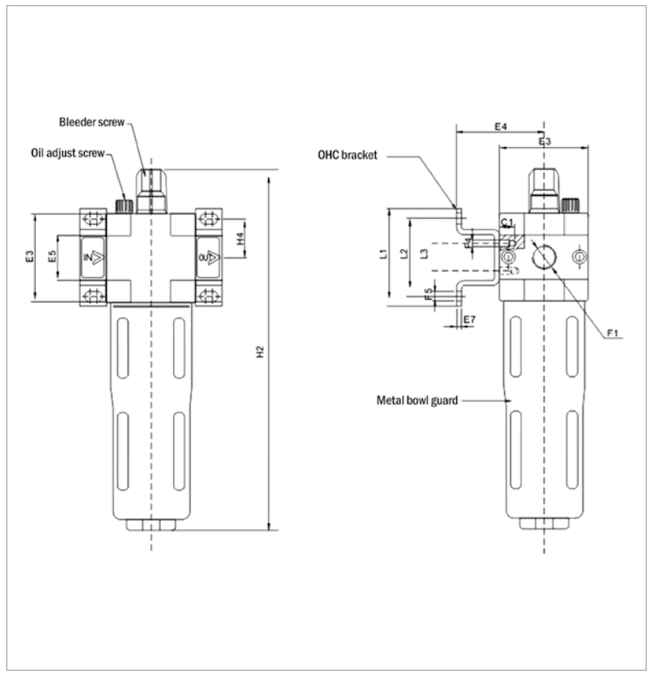
Features

- Pipe mounting or foot mounting
- Complete with bracket

Specs

CODE	SIZE	DESCRIPTION	RATED FLOW (L/MIN)	PORT SIZE	MAX PRESSURE PSI	MAX CONDENSATE CAPACITY	MAX TEMP
IN-L2000-1/4	MINI	OL Lubricator Mini 1/4”	2300	1/4	16 bar	22ml	0 - 60°C
IN-L3000-1/4	MIDI	OL Lubricator Midi 1/4”	5000	1/4		43ml	
IN-L3000-1/2		OL Lubricator Midi 1/2”	6100	1/2			
IN-L5000-3/4	MAXI	OR Lubricator Maxi 3/4”	8400	3/4		80ml	
IN-L5000-1		OR Lubricator Maxi 1”	9000	1			

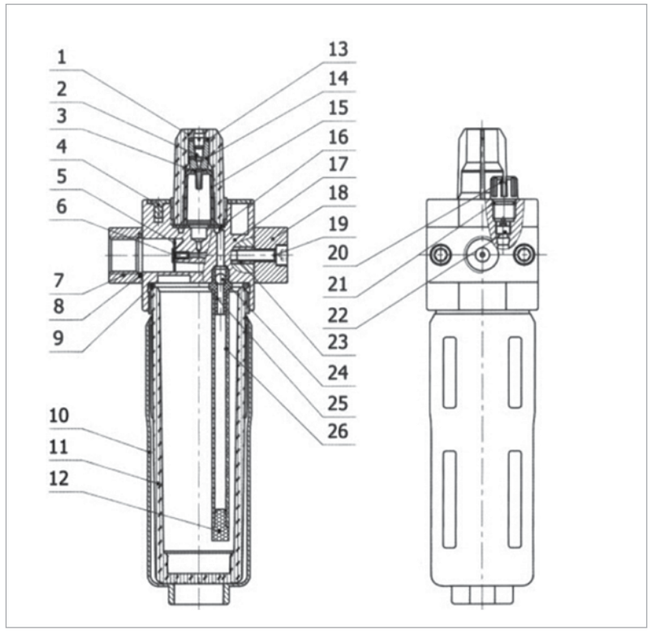
Dimensional Drawings



SIZE	E3	E4	E7	F1	F4	F5
MINI	40	39	2	1/4”	M4	4.5
MIDI	55	47	3	1/4”, 1/2”	M5	5.5
MAXI	66	53	3	3/4”, 1”	M5	5.5

SIZE	L1	L2	L3	H4	H5
MINI	44	35	11	17.5	20
MIDI	71	60	22	24.5	32
MAXI	71	60	22	24.5	32.40

Structural Diagram - Main Parts



NO.	DENOMINATION	MATERIAL
1	Upper glass	PC
2	Adjust screw	Brass
3	O-ring	NBR
4	Ornament cover (circular)	PO
5	Windshield chip	NBR
6	Windshield base	Brass
7	Flange - IN	Zinc alloy
8	O-ring	NBR
9	O-ring	NBR
10	Metal bowl guard	Aluminium alloy
11	Lubricator bowl	PC
12	Oil-filter plug	Brass powder sintered
13	O-ring	NBR
14	Screw base	Brass
15	Oil dropping	PC
16	Seal piece	NBR
17	OL Body	Zinc alloy
18	Flange OUT	Zinc alloy
19	Allen screw	S35C
20	Bleeder screw	POM
21	O-ring	NBR
22	Valve pin	Brass
23	Double-end bolt	SUS
24	Steel ball	SUS304
25	Oil tube connection	POM
26	Oil tube	PU

OU Filter Regulator Lubricator

The Infinity OU consists of an OFR filter regulator and an OL lubricator, making it the perfect all in one package for a compressed air system.

The OF filter with water separator cleans the compressed air of fluid, oil, condensation and dirt particles, while the OR regulator maintains constant operating pressure despite fluctuation in line pressure and the amount of air consumed. Meanwhile, the OL lubricator works to add regulated quality oil to the filtered air.

It's 16 bar pressure rating makes the OU filter regulator lubricator a perfect compliment to the Infinity aluminium pipe.

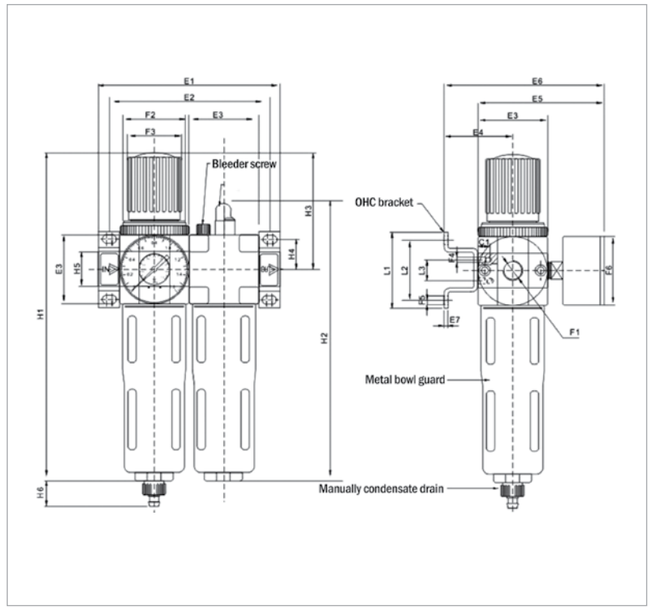
Features

- Pipe mounting or foot mounting
- Complete with gauge and bracket
- Grade of filtration: 40μm

Specs

CODE	SIZE	DESCRIPTION	PORT SIZE	GRADE OF FILTRATION	PRESSURE REGULATION RANGE
IN-FLR2000-1/4	MINI	OU Filter Reg Lubricator 1/4"	1/4"	40μm	0.5...12bar

Dimensional Drawings

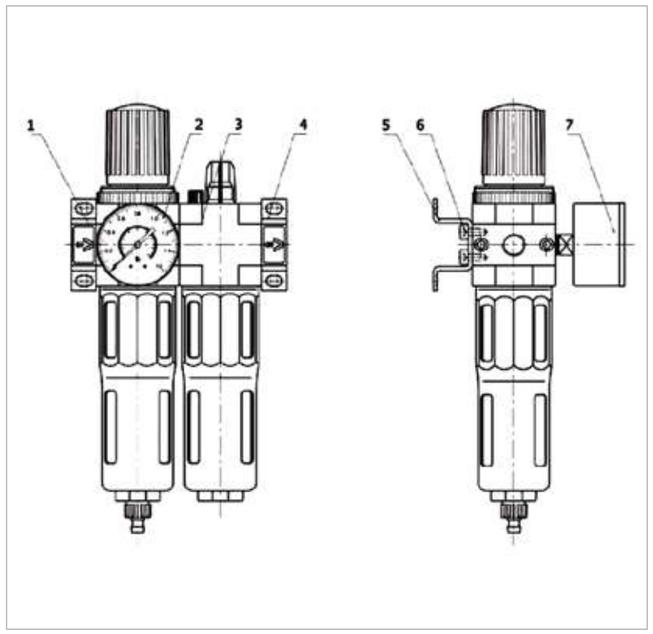


SIZE	E1	E2	E3	E4	E5	E6	E7
MINI	104	92	40	39	76	95	2

SIZE	F1	F2	F3	F4	F5	F6	L1
MINI	1/4"	M36*1.5	31	M4	4.5	40	44

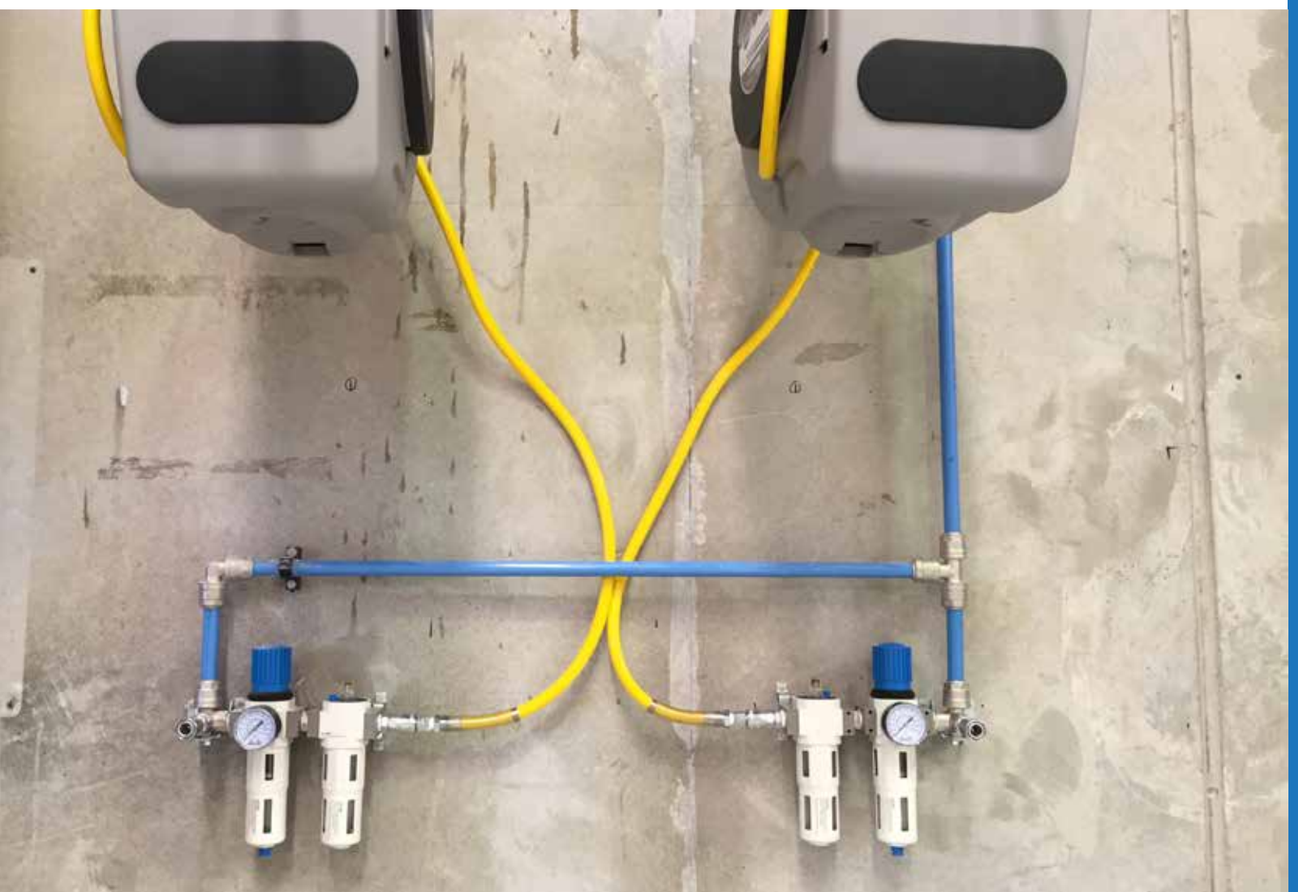
SIZE	L2	L3	H1	H2	H3	H4	H5	H6
MINI	35	11	194	169	69	17.5	20	15

Structural Diagram - Main Parts



NO.	DENOMINATION	MATERIAL
1	Flange IN	Zinc alloy
2	Filter + Regulator	-
3	Lubricator	-
4	Flange OUT	Zinc alloy
5	Bracket	SPCC
6	Allen screw	S35C
7	Pressure gauge	-

NOTES



INDUSTRIAL FILTRATION

Infinity industrial filters remove solid particles, condensate and odours produced by the compressor. The range includes industrial filter housings and elements for main line applications.

Industrial Pre-Filter

The Infinity industrial pre-filter is made of high quality aluminium alloy and carbon steel.

Featuring a compact design to reduce space for maintenance, its surface is coated with epoxy resin powders so as to improve its durability and resistance to corrosion.

The pre-filter features a high quality industrial float drain with ball valve for easy condensate removal and a threaded connection is used as both an inlet and outlet.
The filter housing is marked with direction of air flow for ease of use, and the auto drain is serviceable without shutting off the air supply.

Features

- **Filtration rating: 5µm**
- **Oil content: 5ppm**
- **Maximum pressure: 232 psi**

Specs

CODE	DESCRIPTION	MICRONS	FLOW RATE CFM	MAX PRESSURE PSI	MAX TEMP	CONNECTION SIZE
IN-F15P-320	Industrial Pre-Filters 1/2"	5	35	232	65°C	1/2”
IN-F20P-320	Industrial Pre-Filters 3/4"	5	70	232	65°C	3/4”
IN-F25P-320	Industrial Pre-Filters 1"	5	105	232	65°C	1”
IN-F40P-320	Industrial Pre-Filters 1 1/2"	5	210	232	65°C	1 1/2”
IN-F50P-320	Industrial Pre-Filters 2”	5	630	232	65°C	2”
IN-F63P-320	Industrial Pre-Filters 2 1/2”	5	840	232	65°C	2 1/2”

INDUSTRIAL FILTRATION
INDUSTRIAL PRE-FILTER

Functionality

The function of a pre-filter (or particulate filter) is to remove solid particles such as dust, pollen, mold and bacteria from the air.

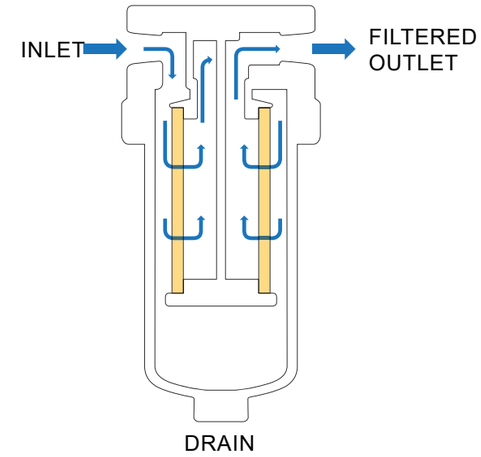
Particles are removed from the air using a two port filter housing and pre-filter element, specifically designed for this purpose. The ultra fine fibres of the pre-filter element capture microscopic particles up to 50 times smaller than the eye can see through a combination of diffusion, interception and inertial impaction.

With smaller particles, diffusion occurs when the random motion of the particles causes them to collide with fibres. Interception occurs when larger particles directly collide with a fibre. When a particle’s inertia leads to its collision with a fibre, this is known as inertial impaction.

To select the correct size of filter for a particular application, choose on the basis of air flow and system pressure, rather than pipe size. Select a filter large enough to ensure that the air exits the filter at a low velocity.

Pre-filters are ideal for general purpose air tools and building sites, and used as the first stage before an Infinity coalescing and absorption filter. It is also recommended that they be used to filter the air before it reaches the air dryer.

The diagram below shows the pre-filter process. Compressed air flows from the compressor, entering the filter housing via the inlet. As the air flows through the filter element from inside to out, dust particles and condensate are removed and collected at the bottom of the bowl where they are ejected automatically by the auto drain system.



Technical Characteristics

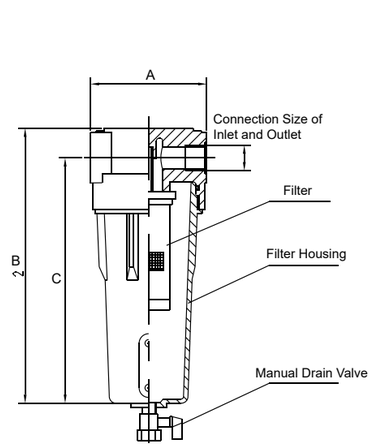


Fig. 1

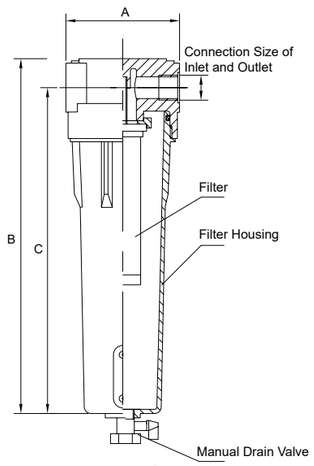


Fig. 2

Industrial Pre-Filters

CODE	FIG.	A	B	C	CONNECTION SIZE
IN-F15P-320	1	104 +/-0.8	243 +/-1.2	217 +/-1.2	1/2”
IN-F20P-320		104 +/-0.8	313 +/-1.2	287 +/-1.2	3/4”
IN-F25P-320		104 +/-0.8	313 +/-1.2	287 +/-1.2	1”
IN-F40P-320	2	138 +/-0.8	624 +/-1.2	624 +/-1.2	1 1/2”
IN-F50P-320		148 +/-0.8	685 +/-1.2	639 +/-1.2	2”
IN-F63P-320		150 +/-0.8	850 +/-1.2	800 +/-1.2	2 1/2”

Industrial Coalescing Filter

The Infinity industrial coalescing filter is made of high quality aluminium alloy and carbon steel.

Featuring a compact design to reduce space for maintenance, its surface is coated with epoxy resin powders so as to improve its durability and resistance to corrosion.

The coalescing filter features a high quality industrial float drain with ball valve for easy condensate removal, and a threaded connection is used as both an inlet
and outlet.

The filter housing is marked with direction of air flow for ease of use, and the auto drain is serviceable without shutting off the air supply.

Features

- **Filtration rating: 0.01µm**
- **Oil content: 1ppm**
- **Maximum pressure: 232 psi**

Specs

CODE	DESCRIPTION	MICRONS	FLOW RATE CFM	MAX PRESSURE PSI	MAX TEMP	CONNECTION SIZE
IN-F15C-130	Coalescing Filters 1/2"	0.01	35	232	65°C	1/2”
IN-F20C-130	Coalescing Filters 3/4"	0.01	70	232	65°C	3/4”
IN-F25C-130	Coalescing Filters 1"	0.01	105	232	65°C	1”
IN-F40C-130	Coalescing Filters 1 1/2"	0.01	210	232	65°C	1 1/2”
IN-F50C-130	Coalescing Filters 2”	0.01	630	232	65°C	2”
IN-F63C-130	Coalescing Filters 2 1/2”	0.01	840	232	65°C	2 1/2”

Functionality

The main function of the coalescing filter is to trap and subsequently remove liquid, oil and water from a compressed air stream.

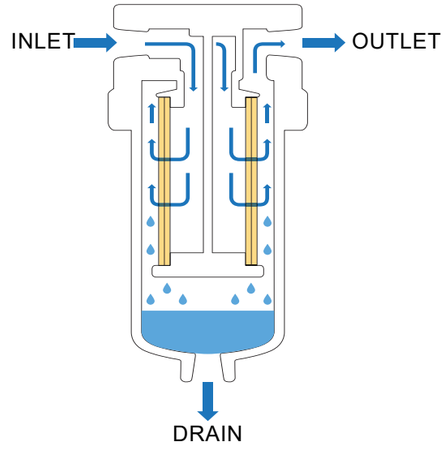
The separation of aerosol and solid contaminants from air is primarily dictated by gravity. Larger contaminants settle out of the air stream fairly quickly, however extremely small aerosol particles remain suspended, particularly in flowing air. The coalescing filter combines these aerosols into even larger droplets as they pass through the filter element’s fibre matrix, eventually becoming large enough to be susceptible to the force of gravity and be drained away.

The coalescing filter can be seen as a multifunctional filtration solution, due to its ability to filter particulates just as effectively as it can coalesce aerosols and droplets. If you have an application that requires both types of filtration, a coalescing filter is ideal.

To select the correct size of filter for a particular application, choose on the basis of air flow and system pressure, rather than pipe size. Select a filter large enough to ensure that the air exits the filter at a low velocity and does not carry over coalesced liquid.

Coalescing filters are ideal for use after air has flowed through the compressed air dryer, acting as an excellent condensate removal. They are best used with an Infinity pre-filter.

The diagram below shows the coalescing process.
Air enters the housing and flows through the filter media, passing from the inside element surface to the outside. Coalesced liquid collects in the bowl where it is drained and clean air exits the housing through the outlet port.



Technical Characteristics

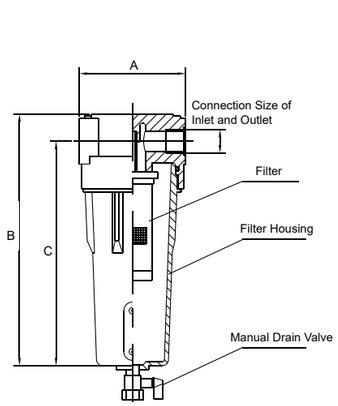


Fig. 1

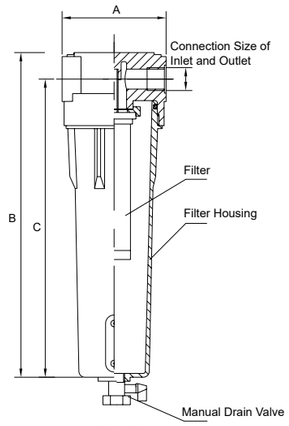


Fig. 2

Industrial Coalescing Filters

CODE	FIG.	A	B	C	CONNECTION SIZE
IN-F15C-130	1	104 +/-0.8	243 +/-1.2	217 +/-1.2	1/2”
IN-F20C-130		104 +/-0.8	313 +/-1.2	287 +/-1.2	3/4”
IN-F25C-130		104 +/-0.8	313 +/-1.2	287 +/-1.2	1”
IN-F40C-130	2	138 +/-0.8	624 +/-1.2	624 +/-1.2	1 1/2”
IN-F50C-130		148 +/-0.8	685 +/-1.2	639 +/-1.2	2”
IN-F63C-130		150 +/-0.8	850 +/-1.2	800 +/-1.2	2 1/2”

Industrial Absorption Filter

Activated absorption filters offer the final stage of filtration. The activated carbon removes smells and odors from the system, particularly important in breathing air systems. Combined with an Infinity pre-filter and coalescing filter, this filter set will offer air to a quality of 0.003ppm.

The absorption filter features a high quality industrial float drain with ball valve for easy condensate removal, and a threaded connection is used as both an inlet
and outlet.

The filter housing is marked with direction of air flow for ease of use, and the auto drain is serviceable without shutting off the air supply.

Features

- **Filtration rating: 0.01µm**
- **Oil content: 0.003ppm**
- **Maximum pressure: 232 psi**

Specs

CODE	DESCRIPTION	MICRONS	FLOW RATE CFM	MAX PRESSURE PSI	MAX TEMP	CONNECTION SIZE
IN-F15A-150	Absorption Filters 1/2"	0.01	35	232	65°C	1/2”
IN-F20A-150	Absorption Filters 3/4"	0.01	70	232	65°C	3/4”
IN-F25A-150	Absorption Filters 1"	0.01	105	232	65°C	1”
IN-F40A-150	Absorption Filters 1 1/2"	0.01	210	232	65°C	1 1/2”
IN-F50A-150	Absorption Filters 2”	0.01	630	232	65°C	2”
IN-F63A-150	Absorption Filters 2 1/2”	0.01	840	232	65°C	2 1/2”

Functionality

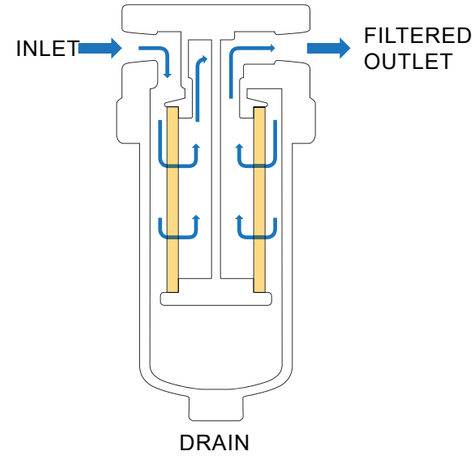
The main function of the absorption filter is to absorb smells, odors and taste from compressed air, making it suitable and comfortable for breathing.

This degree of filtration also offers other benefits including virtually oil free air, making it extremely appropriate for applications such as high quality painting, glass manufacturing and laser cutting, when used with the correct air drying process.

For breathing air, the absorption filter must be used in conjunction with other specified equipment, including the Infinity pre-filter, coalescing filter and dryers. This will ensure that air is at the correct quality and highest of standards.
It is also recommended that all breathing air systems are regularly tested.

To select the correct size of filter for a particular application, choose on the basis of air flow and system pressure, rather than pipe size. Select a filter large enough to ensure that the air exits the filter at a low velocity.

The diagram below shows the absorption filtration process. As air enters the housing, it flows through the filter element from outside to in, during which the activated carbon in the element absorbs smells and odors from the compressed air. The air then exits the housing through the outlet port.



Technical Characteristics

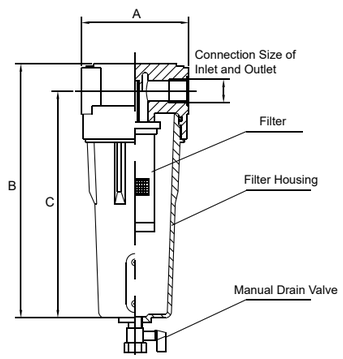


Fig. 1

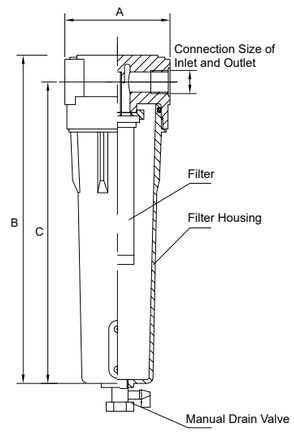


Fig. 2

Industrial Absorption Filters

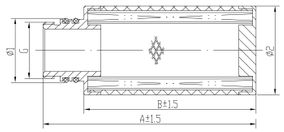
CODE	FIG.	A	B	C	CONNECTION SIZE
IN-F15A-150	1	104 +/-0.8	243 +/-1.2	217 +/-1.2	1/2”
IN-F20A-150		104 +/-0.8	313 +/-1.2	287 +/-1.2	3/4”
IN-F25A-150		104 +/-0.8	313 +/-1.2	287 +/-1.2	1”
IN-F40A-150	2	138 +/-0.8	624 +/-1.2	624 +/-1.2	1 1/2”
IN-F50A-150		148 +/-0.8	685 +/-1.2	639 +/-1.2	2”
IN-F63A-150		150 +/-0.8	850 +/-1.2	800 +/-1.2	2 1/2”

Industrial Pre-Filter Element

Pre-filter elements are composed of fibrous materials which capture and remove fine, solid particles such as dust, pollen, mold and bacteria from the air. As the air flows through the filter element from inside to out, dust particles and condensate are removed and collected at the bottom of the bowl where they are ejected automatically by the auto drain system.

Features

- **Filtration rating: 5µm**
- **Maximum temperature: 65˚C**
- **Maximum pressure: 232 psi**



CODE	DESCRIPTION	FLOW RATE
IN-E15P-320	Pre-Filter Elements 1/2"	35 cfm
IN-E20P-320	Pre-Filter Elements 3/4"	70 cfm
IN-E25P-320	Pre-Filter Elements 1"	105 cfm
IN-E40P-320	Pre-Filter Elements 1 1/2"	210 cfm
IN-E50P-320	Pre-Filter Elements 2"	630 cfm
IN-E63P-320	Pre-Filter Elements 2 1/2"	840 cfm

TECHNICAL SPECS

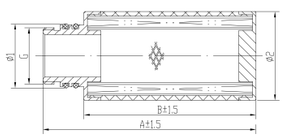
DESCRIPTION	G	ϕ1	ϕ2	A	B	O-RING
Industrial Filter Element 1/2"	G 3/4"	31	42	94	76	25.8 x 2.65
Industrial Filter Element 3/4"	G 1"	38.5	52	128	104	30 x 3.55
Industrial Filter Element 1"	G 1"	38.5	52	152	128	30 x 3.55
Industrial Filter Element 1 1/2"	G 1"	38.5	62	204	180	30 x 3.55
Industrial Filter Element 2"	-	-	86	397	381	54.5 x 3.55
Industrial Filter Element 2 1/2"	-	-	86	524	508	54.5 x 3.55

Industrial Coalescing Element

The coalescing filter element comprises of two parts, an inner and outer layer. The inner layer consists of a high-efficiency coalescing stage, while the outer layer is a coarser stage used for drainage. Any liquid aerosols or droplets are caught within the fine fibres of the inner layer, eventually accumulating to the extent that they are forced to the outer layer of the filter element and into the 'bowl' of the housing.

Features

- **Filtration rating: 0.01µm**
- **Maximum temperature: 65˚C**
- **Maximum pressure: 232 psi**



CODE	DESCRIPTION	FLOW RATE CFM
IN-E15C-130	Coalescing Elements 1/2"	35
IN-E20C-130	Coalescing Elements 3/4"	70
IN-E25C-130	Coalescing Elements 1"	105
IN-E40C-130	Coalescing Elements 1 1/2"	210
IN-E50C-130	Coalescing Elements 2"	630
IN-E63C-130	Coalescing Elements 2 1/2"	840

TECHNICAL SPECS

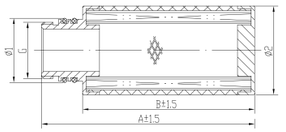
DESCRIPTION	G	ϕ1	ϕ2	A	B	O-RING
Industrial Filter Element 1/2"	G 3/4"	31	42	94	76	25.8 x 2.65
Industrial Filter Element 3/4"	G 1"	38.5	52	128	104	30 x 3.55
Industrial Filter Element 1"	G 1"	38.5	52	152	128	30 x 3.55
Industrial Filter Element 1 1/2"	G 1"	38.5	62	204	180	30 x 3.55
Industrial Filter Element 2"	-	-	86	397	381	54.5 x 3.55
Industrial Filter Element 2 1/2"	-	-	86	524	508	54.5 x 3.55

Industrial Absorption Element

Industrial absorption elements offer the final stage of filtration. As the air flows through the element from outside to in, the activated carbon in the element absorbs smells and odors from the compressed air system, making it suitable and comfortable for breathing.

Features

- **Filtration rating: 5µm**
- **Maximum temperature: 65˚C**
- **Maximum pressure: 232 psi**



CODE	DESCRIPTION	FLOW RATE CFM
IN-E15A-150	Absorption Elements 1/2"	35
IN-E20A-150	Absorption Elements 3/4"	70
IN-E25A-150	Absorption Elements 1"	105
IN-E40A-150	Absorption Elements 1 1/2"	210
IN-E50A-150	Absorption Elements 2"	630
IN-E63A-150	Absorption Elements 2 1/2"	840

TECHNICAL SPECS

DESCRIPTION	G	ϕ1	ϕ2	A	B	O-RING
Industrial Filter Element 1/2"	G 3/4"	31	42	94	76	25.8 x 2.65
Industrial Filter Element 3/4"	G 1"	38.5	52	128	104	30 x 3.55
Industrial Filter Element 1"	G 1"	38.5	52	152	128	30 x 3.55
Industrial Filter Element 1 1/2"	G 1"	38.5	62	204	180	30 x 3.55
Industrial Filter Element 2"	-	-	86	397	381	54.5 x 3.55
Industrial Filter Element 2 1/2"	-	-	86	524	508	54.5 x 3.55

INDUSTRIAL FILTRATION ACCESSORIES

Super Trap

CODE	DESCRIPTION
ST-200	Super Trap Auto Drain 220V

Auto Drain

CODE	DESCRIPTION
AD299-02	Auto Drain 1/2"

Electronic Timer Drain

CODE	DESCRIPTION
EZI1 AUTO DRAIN	Timed electronic auto drain 1/2” 230V

infinity
pipe systems

INFINITY ACCESSORIES

Infinity is pleased to offer a vast range of hoses, tubing, reels, couplings, plugs, adaptors and fixings, suitable to a wide variety of jobs and industries.

Why Use Infinity Hose Reels?

Infinity hose reels offer an economical and quality solution that will improve your safety record, increase efficiency and productivity, as well as reduce costly downtime.

The compact nature of Infinity hose reels allows for better hose management, resulting in a more organised and efficient workspace.

The increasing demand for hose reels is also being driven globally by workplace safety regulations and requirements.

The design, functionality and innovative features of Infinity hose reels provide a more effective means of handling hoses in the workspace, as well as increasing safety and minimising damage.

Infinity is pleased to offer a range of reels, hose and tubing, suitable to a wide variety of jobs and industries.

PRODUCT ADVANTAGES

- EFFICIENCY
  A clean workspace is proven to be more efficient. Infinity reels help to avoid hose entanglements, resulting in a more organised workplace.
- SAFETY
  Slips, trips and accidental falls are the leading cause of work stoppage loses in the industry. Infinity hose reels reduce the risk of workplace trips and related insurance expenses.
- LONGER LIFE TIME
  The use of Infinity reels will reduce damage to your hose, increasing the product lifetime.
- STOP LEAKAGES
  The use of Infinity hose reels can reduce the threat of expensive air leakage.
- PRODUCTIVITY
  Easily locating hoses where and when you need them increases productivity. Infinity reels improve hose management, due to automatic wind-up and length control.
- COMFORT
  Adjustable length and automatic wind-up features results in a more comfortable usage with Infinity hose reels.
- COST SAVING
  Reduced hose replacement, as a result of damaged hoses, means more cost saving.

Air Hose Reel 13mm x 18m

CODE	DESCRIPTION
HR1318	Infinity 13mm Retractable Air Hose Reel 18 meters

Air Hose Reel 10mm x 25m

CODE	DESCRIPTION
HR1025	Infinity 10mm Retractable Air Hose Reel 25 meters

Auto Hose Guide

Enables the hose to wind smoothly and easily

Stop Ball

Stops the hose from rewinding into the case completely

Wall Mount

Mount reel to wall or ceiling with 180° swivel

Hose Ends

Two hose ends with male connectors

FEATURES

- Air hose reel equipped with automatic level rewind system
- 180° Swivel bracket
- The air hose reel can be mounted to the wall or ceiling
- Durable construction; made from high quality impact resistant polypropylene
- Positive latching mechanism-automatically locks hose at desired length

SPECIFICATIONS

Case Material:	PP	PP
Hose Material:	Braided PVC	Braided PVC
Output Hose Length:	18M	25M
Input Hose Length:	2M	2M
Hose Diameter:	13mm	10mm
Working Pressure:	12bar	12bar
Hose Connection:	½ BSPT Male	¼ BSPT Male
Stock Code:	HR1318	HR1025

‘Stop Anywhere’ Air Hose Reel (Tear drop)

CODE	DESCRIPTION	W.P 23°C	B.P 23°C
HR0812	Infinity 8mm Retractable "Stop Anywhere' Air Hose Reel 15m	215 PSI	870 PSI

TECHNICAL SPECS

ØD	HOSE INTERNAL DIAMETER	MAX PRESSURE	H	L
13.5	8mm	12bar	430	600

Stop Anywhere Function

Pull out the hose to lock, pull again to release.

Stop Ball

Stops the hose from rewinding into the case completely.

Mounting Bracket

Easily mount and remove from wall or ceiling.

Safety Button

Ensures the reel wont slip off the bracket.

FEATURES

- Air hose reel equipped with automatic rewind system
- 180° Swivel bracket
- The air hose reel can be mounted to the wall or ceiling
- Durable construction; made from high quality impact resistant polypropylene
- Positive latching mechanism-automatically locks hose at desired length

SPECIFICATIONS

Case Material: PP

Hose Material: PU mesh

Output Hose Length: 15m

Input Hose Length: 1m

Hose Diameter: 8mm

Working Pressure: 12bar (174psi)

Working Temperature: 0°- 60°

Stock Code: HR0812

Hose Connection: ¼ BSPT Male

INFINITY ACCESSORIES

HOSES, REELS & TUBING

Polyurethane Recoil Hose

The polyurethane recoil hose is the ideal choice for tough and challenging air tool hose requirements.

With exceptional wear and kink resistance, this heavy duty hose has a recoil that lasts and lasts. While it is tough, it is also light and flexible, making it easier to use.

Fittings replacement is made easy with brass fittings that let you make changes on the spot. All swivel fittings come with factory applied thread sealant, resulting in a dependable, leak tight seal which is resistant to vibration loosening.

FEATURES AND BENEFITS

TOUGH FROM THE INSIDE OUT

Polyurethane is an extremely tough plastic, used everywhere from skate board wheels to auto bumpers. Our polyurethane retractable hoses are the ideal choice for tough and challenging air tool hose requirements.

EXCEPTIONAL WEAR AND KINK RESISTANT

While you can cut a coil hose with a sharp knife, it is at least 10 times more tear resistant than other hoses. Most oils and fuels will not affect the coil, and it is almost impossible to permanently kink. The recoil hose resists everyday abuse without leaving a dent, and spring guards are not required.

RECOIL THAT LASTS AND LASTS

Put our coil to the test – stretch it out to full length, give it a further strong pull, and then release. Watch the hose recoil right back, regaining it’s memory immediately. The coil has a memory that can be depended on.

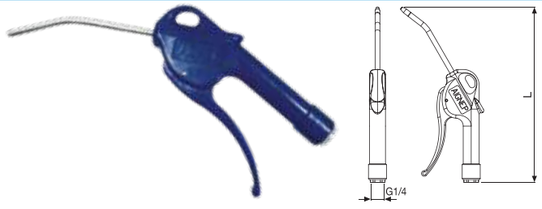
Infinity Polyurethane Recoil Hose

CODE	DESCRIPTION	W.P 23°C	B.P 23°C
PURC1/4X6M	1/4" ID Recoil Hose 6m	145 PSI	450 PSI
PURC1/4X10M	1/4" ID Recoil Hose 10m	145 PSI	450 PSI

Safety Blow Gun - Female Connection

CODE	DESCRIPTION	L	L1
322-90	90mm Safety Blow Gun	90	157
322-200	200mm Safety Blow Gun	200	267
322-290	290mm Safety Blow Gun	290	357

Blow Gun Standard - Brass Bush



CODE	DESCRIPTION	L
BLOWGUN	Standard Blow Gun	217

Polyurethane Hose

The Infinity polyurethane hose features open mesh polyester braid reinforcement, integrated into an extremely flexible wall. This ensures a far longer service life and greater pressure capability than un-reinforced hose products.

Unlike some other hoses, this product contains no plasticizers, which can migrate and cause flow contamination and tube hardening.

Resistant to attack from moisture and fungi, UV rays, weathering and exposure, the Infinity polyurethane braided hose is suitable for outside use, and is extremely durable in rugged, demanding environments.

APPLICATION

- Transfer of air and fluids under severe conditions
- Feed and return lines
- Abrasive slurry transfer
- Granular transfer lines
- Small engine fuel lines
- Robotics control lines
- Insulating sleeves
- Lubrication lines
- Metering pumps

FEATURES AND BENEFITS

- OPEN MESH POLYESTER BRAIDING
  integrated in flexible wall
- GREATER PRESSURE CAPABILITY
  than non-reinforced polyurethane hose
- ULTRA LIGHTWEIGHT AND EASY TO HANDLE
- SUPERIOR ABRASION RESISTANCE
- RESISTANCE
  to weathering, tearing, impacts, oils, greases & fuels.
- GREAT FLEXIBILITY AND USER FRIENDLINESS
  even in subzero temperatures.

Infinity Polyurethane Hose

CODE	DESCRIPTION	W.P 23°C	B.P 23°C
PUB1/2X25M	1/2" (ID) Braided Air Hose 25m	200 PSI	800 PSI
PUB1/2X50M	1/2" (ID) Braided Air Hose 50m	200 PSI	800 PSI
PUB1/4X20M	1/4" (ID) Braided Air Hose 20m	200 PSI	800 PSI
PUB3/8X25M	3/8" (ID) Braided Air Hose 25m	200 PSI	800 PSI
Lightweight, abrasive resistant, high flow, greater flexibility, high resistant to UV, oils greases & fuels.			

INFINITY ACCESSORIES

HOSES, REELS & TUBING

Polyurethane Tubing

Polyurethane tubing is usually the best choice for applications that require extensive flexing, a small bend radius or where kinking can be a problem.

Infinity polyurethane tubing uses Ether base raw material because it will not break down or be affected in any way by moisture.

Offering Ether base components means products are less expensive and generally stronger. However, applications should be limited to areas of consistent low temperatures and where high and continued flexibility is essential.

APPLICATION

- Transfer of air and fluids under severe conditions
- Feed and return lines
- Abrasive slurry transfer
- Granular transfer lines
- Small engine fuel lines
- Robotics control lines
- Insulating sleeves
- Lubrication lines
- Metering pumps

FEATURES AND BENEFITS

- EXTREMELY FLEXIBLE
  A small bend radius for routing into tight places
- ULTRA KINK RESISTANT
  Withstands abuse that would damage other plastic tubing
- EXCELLENT MEMORY
  Tolerates repeated flexing
- VERY ABRASION RESISTANT
  Outlasts other tubing, suitable for conveying abrasives
- LOW GAS PERMEABILITY
  Reduces leak and contamination problems

Infinity Polyurethane Tubing

CODE	DESCRIPTION	W.P 23°C	B.P 23°C
PU4X100M	4mm (OD) x 2mm Tube 100m	260 PSI	780 PSI
PU6X200M	6mm (OD) x 4mm Tube 200m	160 PSI	460 PSI
PU8X100M	8mm (OD) x 5mm Tube 100m	188 PSI	550 PSI
PU10X100M	10mm (OD) x 6.5mm Tube 100m	160 PSI	490 PSI
PU12X100M	12mm (OD) x 8mm Tube 100m	145 PSI	435 PSI

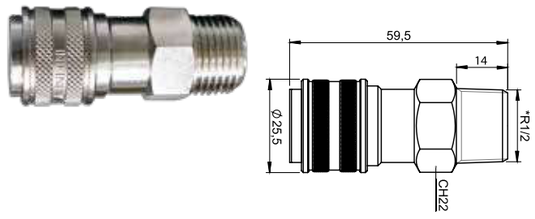
NOTES

COUPLINGS

Infinity Couplings

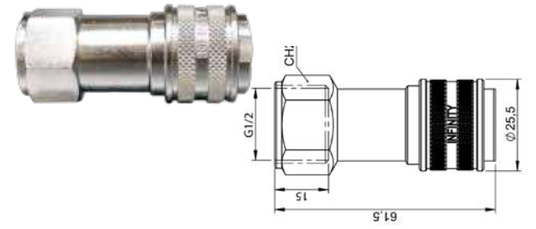
Infinity couplings boast superior workmanship, ensuring longer service life, excellent durability and versatility, and a high level of corrosion resistance.

→ Quick Release Coupling Male



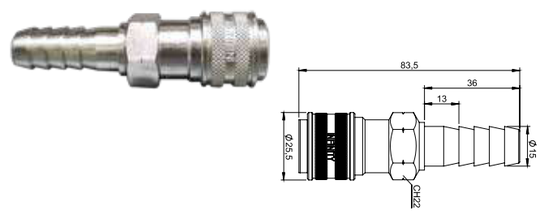
CODE	DESCRIPTION
INNSC-20SM	1/4” Male Coupling
INNSC-30SM	3/8” Male Coupling
INNSC-40SM	1/2” Male Coupling

→ Quick Release Coupling Female



CODE	DESCRIPTION
INNSC-20SF	1/4” Female Coupling
INNSC-30SF	3/8” Female Coupling
INNSC-40SF	1/2” Female Coupling

→ Quick Release Coupling Barbed



CODE	DESCRIPTION
INNSC-20SH	1/4” Barbed Coupling
INNSC-30SH	3/8” Barbed Coupling
INNSC-40SH	1/2” Barbed Coupling

→ Safety Coupling Male

CODE	DESCRIPTION
INSSC-40SM	1/2” Male Safety Coupling

PLUGS

Infinity Plugs

Infinity Adaptors are a precision CNC machined steel plug complete with nickel plating. Designed for industrial use, this plug is ideally used with the Infinity Couplings.

→ Infinity Male Plug

CODE	DESCRIPTION
NP 20M	Male Plug (NP) 1/4"
NP 30M	Male Plug (NP) 3/8"
NP 40M	Male Plug (NP) 1/2"

→ Hose Plug

CODE	DESCRIPTION
NP 20H	Hose Plug (NP) 1/4"
NP 30H	Hose Plug (NP) 3/8"
NP 40H	Hose Plug (NP) 1/2"

→ Infinity Female Plug

CODE	DESCRIPTION
NP 20F	Female Plug (NP) 1/4"
NP 30F	Female Plug (NP) 3/8"
NP 40F	Female Plug (NP) 1/2"

BRASS COUPLINGS

Infinity Brass Couplings

The Infinity coupling is suitable for all air applications that require a quick disconnect coupling. Made from brass, with stainless steel internals, these couplings offer simple disassembly, strong shock and corrosion resistance, and are able to maintain stability under the extreme pressure of air flow.

The single release button feature prevents accidental disconnection and Adaptor blowout under pressure, making the Infinity brass coupling a reliable and quality product, and a modern alternative to the minsup or claw coupling.

Technical Characteristics

MAX WORKING PRESSURE	1050 kPa
AIR FLOW	30 c.f.m @ 100 psi
FLOW	850 L/min @ 690 kPa

→ Brass Female Coupling

CODE	DESCRIPTION
310F4	Brass Female Coupling 1/4"
310F6	Brass Female Coupling 3/8"

TECHNICAL SPECS

L	A	T
45	11	1/4PT
52.2	12.5	3/8PT

→ Brass Male Coupling

CODE	DESCRIPTION
310M4	Brass Male Coupling 1/4"
310M6	Brass Male Coupling 3/8"
310M8	Brass Male Coupling 1/2"

TECHNICAL SPECS

L	H (HEX)	A	T	B
49.7	19	11	1/4PT	8
51.2	19	12.5	3/8PT	11
52.8	21	14	1/2PT	11.5

BRASS PLUGS

Brass Male Plug

CODE	DESCRIPTION
31M4	Brass Male Plug 1/4"
31M6	Brass Male Plug 3/8"

TECHNICAL SPECS

L	H (HEX)	A	T	B
39.5	14	11	1/4PT	8
41	17	12.5	3/8PT	11

Brass Female Plug

CODE	DESCRIPTION
31F4	Brass Female Plug 1/4"
31F6	Brass Female Plug 3/8"

TECHNICAL SPECS

L	H (HEX)	A	T
41	5/8	11	1/4PT
41	19	12.5	3/8PT

Brass Hose Plug

CODE	DESCRIPTION
31T4	Brass Hose Plug 1/4"
31T6	Brass Hose Plug 3/8"
31T8	Brass Hose Plug 1/2"

TECHNICAL SPECS

ØT	ØB
7.5	4
9.3	5.7
10.9	7

PUSH-IN FITTINGS

Why Use Infinity Push-In Fittings?

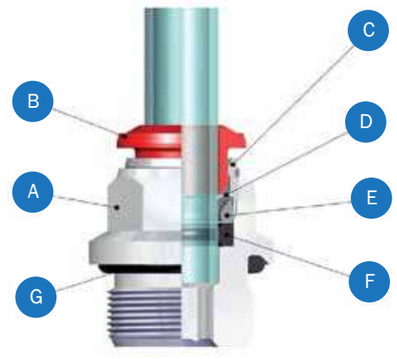
Infinity push-in fittings, made from nickle plated brass, are compatible with air, vacuum, water and steam. When compared to other products, Infinity Push-In Fittings boast an impressive list of advantages.

The stainless steel washer ensures the perfect tube clamping on all types of metals, without damage to the surface.

The connection between the tube and fitting, and the particular geometric shape of the seal, ensures a total tightness for all applications, even in severe conditions such as impact and vibrations.

The ‘short’ taper thread has been designed to offer a reduced overall length and smaller hex dimensions compared to parallel threads, and tightening parts allow the direct assembly of the fittings, keeping installation time to a minimum.

Component Parts And Materials



- A Nickle-plated brass body
- B Acetallic resin collet
- C Nickle-plated brass capsule
- D Steel aisi 301 clamping washer
- E Technopolymeric safety ring
- F NBR lip seal
- G NBR thread packaging

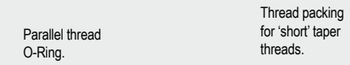
Technical Characteristics

MIN WORKING PRESSURE	-0.99 bar
MAX WORKING PRESSURE	15 bar
MIN TEMPERATURE	-20°C
MAX TEMPERATURE	80°C
COMPATIBLE FLUIDS	Air, vacuum, water & steam
TAPERED GAS	In conformity with ISO7.1, BS 21, DIN 2999
PARALLEL GAS	In conformity with ISO 228 Class A

PRODUCT ADVANTAGES

The short taper thread has been designed to reduce overall length and allow assembly with different female threads (both taper as well as parallel).

All threads are equipped with tightening parts, which allow direct assembly of the fittings, reducing installation time.



All straight fittings with ‘short’ and parallel threads can be assembled with an Allen wrench, and are able to be used in reduced spaces.

Swivel Elbow

CODE	DESCRIPTION
50110 4-1/8	Swivel Elbow 4mm x 1/8"
50110 4-1/4	Swivel Elbow 4mm x 1/4"
50110 6-1/8	Swivel Elbow 6mm x 1/8"
50110 6-1/4	Swivel Elbow 6mm x 1/4"
50110 8-1/8	Swivel Elbow 8mm x 1/8"
50110 8-1/4	Swivel Elbow 8mm x 1/4"
50110 8-3/8	Swivel Elbow 8mm x 3/8"
50110 8-1/2	Swivel Elbow 8mm x 1/2"
50110 10-1/4	Swivel Elbow 10mm x 1/4"
50110 10-3/8	Swivel Elbow 10mm x 3/8"
50110 10-1/2	Swivel Elbow 10mm x 1/2"
50110 12-3/8	Swivel Elbow 12mm x 3/8"
50110 12-1/2	Swivel Elbow 12mm x 1/2"
50111 14-3/8	Swivel Elbow 14mm x 3/8"
50111 14-1/2	Swivel Elbow 14mm x 1/2"
50111 16-3/8	Swivel Elbow 16mm x 3/8"
50111 16-1/2	Swivel Elbow 16mm x 1/2"

Swivel Tee

CODE	DESCRIPTION
50210 4-1/4	Swivel Tee 4mm x 1/4"
50210 4-1/8	Swivel Tee 4mm x 1/8"
50210 6-1/8	Swivel Tee 6mm x 1/8"
50210 6-1/4	Swivel Tee 6mm x 1/4"
50210 8-1/8	Swivel Tee 8mm x 1/8"
50210 8-1/4	Swivel Tee 8mm x 1/4"
50210 8-3/8	Swivel Tee 8mm x 3/8"
50210 8-1/2	Swivel Tee 8mm x 1/2"
50210 10-1/4	Swivel Tee 10mm x 1/4"
50210 10-3/8	Swivel Tee 10mm x 3/8"
50210 10-1/2	Swivel Tee 10mm x 1/2"
50210 12-3/8	Swivel Tee 12mm x 3/8"
50210 12-1/2	Swivel Tee 12mm x 1/2"
50211 14-3/8	Swivel Tee 14mm x 3/8"
50211 14-1/2	Swivel Tee 14mm x 1/2"
50211 16-3/8	Swivel Tee 16mm x 3/8"
50211 16-1/2	Swivel Tee 16mm x 1/2"

Swivel Male Elbow

CODE	DESCRIPTION
50116 4-M5	Swivel Male Elbow 4mm x 1/8"
50116 4-1/8	Swivel Male Elbow 4mm x 1/8"
50116 4-1/8	Swivel Male Elbow 4mm x 1/8"
50116 6-M5	Swivel Male Elbow 6mm x M5
50116 6-1/8	Swivel Male Elbow 6mm x 1/8"
50116 6-1/4	Swivel Male Elbow 6mm x 1/4"
50116 6-3/8	Swivel Male Elbow 6mm x 3/8"
50116 8-1/8	Swivel Male Elbow 8mm x 1/8"
50116 8-1/4	Swivel Male Elbow 8mm x 1/4"
50116 8-3/8	Swivel Male Elbow 8mm x 3/8"
50116 8-1/2	Swivel Male Elbow 8mm x 1/2"
50116 10-1/4	Swivel Male Elbow 10mm x 1/4"
50116 10-3/8	Swivel Male Elbow 10mm x 3/8"
50116 12-1/4	Swivel Male Elbow 12mm x 1/4"
50116 12-3/8	Swivel Male Elbow 12mm x 3/8"
50116 12-1/2	Swivel Male Elbow 12mm x 1/2"
50116 14-3/8	Swivel Male Elbow 14mm x 3/8"
50116 14-1/2	Swivel Male Elbow 14mm x 1/2"
50116 16-3/8	Swivel Male Elbow 16mm x 3/8"
50116 16-1/2	Swivel Male Elbow 16mm x 1/2"

Tee Connector

CODE	DESCRIPTION
50230 4	Tee Connector 4mm
50230 6	Tee Connector 6mm
50230 8	Tee Connector 8mm
50230 10	Tee Connector 10mm
50230 12	Tee Connector 12mm

Male Centre Tee

CODE	DESCRIPTION
50200 4-M5	Male Centre Tee 4mm x M5
50200 4-1/8	Male Centre Tee 4mm x 1/8"
50200 6-1/8	Male Centre Tee 6mm x 1/8"
50200 8-1/8	Male Centre Tee 8mm x 1/8"
50200 8-1/4	Male Centre Tee 8mm x 1/4"
50200 10-1/4	Male Centre Tee 10mm x 1/4"
50200 10-3/8	Male Centre Tee 10mm x 3/8"
50200 12-1/4	Male Centre Tee 12mm x 1/4"
50200 12-3/8	Male Centre Tee 12mm x 3/8"

Male Elbow Adaptor

CODE	DESCRIPTION
50100 4-M5	Male Elbow Adaptor 4mm x M5
50100 4-1/8	Male Elbow Adaptor 4mm x 1/8”
50100 6-1/8	Male Elbow Adaptor 6mm x 1/8”
50100 6-1/4	Male Elbow Adaptor 6mm x 1/4”
50100 8-1/8	Male Elbow Adaptor 8mm x 1/8"
50100 8-1/4	Male Elbow Adaptor 8mm x 1/4"
50100 10-1/4	Male Elbow Adaptor 10mm x 1/4"
50100 10-3/8	Male Elbow Adaptor 10mm x 3/8"
50100 12-1/4	Male Elbow Adaptor 12mm x 1/4”
50100 12-3/8	Male Elbow Adaptor 12mm x 3/8”

Elbow

CODE	DESCRIPTION
50130 4	Elbow Connector 4mm
50130 6	Elbow Connector 6mm
50130 8	Elbow Connector 8mm
50130 10	Elbow Connector 10mm
50130 12	Elbow Connector 12mm

PUSH-IN FITTINGS

INFINITY ACCESSORIES

→ Straight Male Adaptor (Short)

CODE	DESCRIPTION
50010 4-M5	Straight Male Adaptor 4mm x M5
50010 4-1/8	Straight Male Adaptor 4mm x 1/8"
50010 6-M5	Straight Male Adaptor 6mm x M5
50010 6-1/8	Straight Male Adaptor 6mm x 1/8"
50010 6-1/4	Straight Male Adaptor 6mm x 1/4"
50010 8-1/8	Straight Male Adaptor 8mm x 1/8"
50010 8-1/4	Straight Male Adaptor 8mm x 1/4"

→ Straight Male Adaptor

CODE	DESCRIPTION
50000 4-1/8	Male Adaptor 4mm x 1/8"
50000 6-1/8	Male Adaptor 6mm x 1/8"
50000 6-1/4	Male Adaptor 6mm x 1/4"
50000 8-1/8	Male Adaptor 8mm x 1/8"
50000 8-1/4	Male Adaptor 8mm x 1/4"
50000 8-3/8	Male Adaptor 8mm x 3/8"
50000 10-1/4	Male Adaptor 10mm x 1/4"
50000 10-3/8	Male Adaptor 10mm x 3/8"
50000 10-1/2	Male Adaptor 10mm x 1/2"
50000 12-1/4	Male Adaptor 12mm x 1/4"
50000 12-3/8	Male Adaptor 12mm x 3/8"

→ Male Adaptor

CODE	DESCRIPTION
50600 4-1/8	Male Adaptor 4mm x 1/8"
50600 4-M5	Male Adaptor 4mm x M5
50600 6-M5	Male Adaptor 6mm x M5
50600 6-1/8	Male Adaptor 6mm x 1/8"
50600 6-1/4	Male Adaptor 6mm x 1/4"
50600 8-1/8	Male Adaptor 8mm x 1/8"
50600 8-1/4	Male Adaptor 8mm x 1/4"
50600 8-3/8	Male Adaptor 8mm x 3/8"
50600 10-1/8	Male Adaptor 10mm x 1/8"
50600 10-1/4	Male Adaptor 10mm x 1/4"
50600 10-3/8	Male Adaptor 10mm x 3/8"
50600 10-1/2	Male Adaptor 10mm x 1/2"
50600 12-1/4	Male Adaptor 12mm x 1/4"
50600 12-3/8	Male Adaptor 12mm x 3/8"

→ Straight Female Adaptor

CODE	DESCRIPTION
50030 4-M5	Straight Female Adaptor 4mm x M5
50030 4-1/8	Straight Female Adaptor 4mm x 1/8”
50030 4-1/4	Straight Female Adaptor 4mm x 1/4”
50030 6-1/8	Straight Female Adaptor 6mm x 1/8”
50030 6-1/4	Straight Female Adaptor 6mm x 1/4”
50030 8-1/8	Straight Female Adaptor 8mm x 1/8”
50030 8 -1/4	Straight Female Adaptor 8mm x 1/4”
50030 10-1/4	Straight Female Adaptor 10mm x 1/4”
50030 10-3/8	Straight Female Adaptor 10mm x 3/8”
50030 10-1/2	Straight Female Adaptor 10mm x 1/2”
50030 12-3/8	Straight Female Adaptor 12mm x 3/8”
50030 12-1/2	Straight Female Adaptor 12mm x 1/2”

→ Bulkhead Connector

CODE	DESCRIPTION
50050 4	Bulkhead Connector 4mm
50050 6	Bulkhead Connector 6mm
50050 8-6	Bulkhead Connector 8mm - 6mm
50050 8	Bulkhead Connector 8mm
50050 10-6	Bulkhead Connector 10mm - 6mm
50050 10-8	Bulkhead Connector 10mm - 8mm
50050 10	Bulkhead Connector 10mm
50050 12	Bulkhead Connector 12mm

→ Straight Connector

CODE	DESCRIPTION
50040 4	Straight Connector 4mm
50040 6-4	Straight Connector 6mm - 4mm
50040 6	Straight Connector 6mm
50040 8-6	Straight Connector 8mm - 6mm
50040 8	Straight Connector 8mm
50040 10-8	Straight Connector 10mm - 8mm
50040 10	Straight Connector 10mm
50040 12-10	Straight Connector 12mm - 10mm
50040 12	Straight Connector 12mm

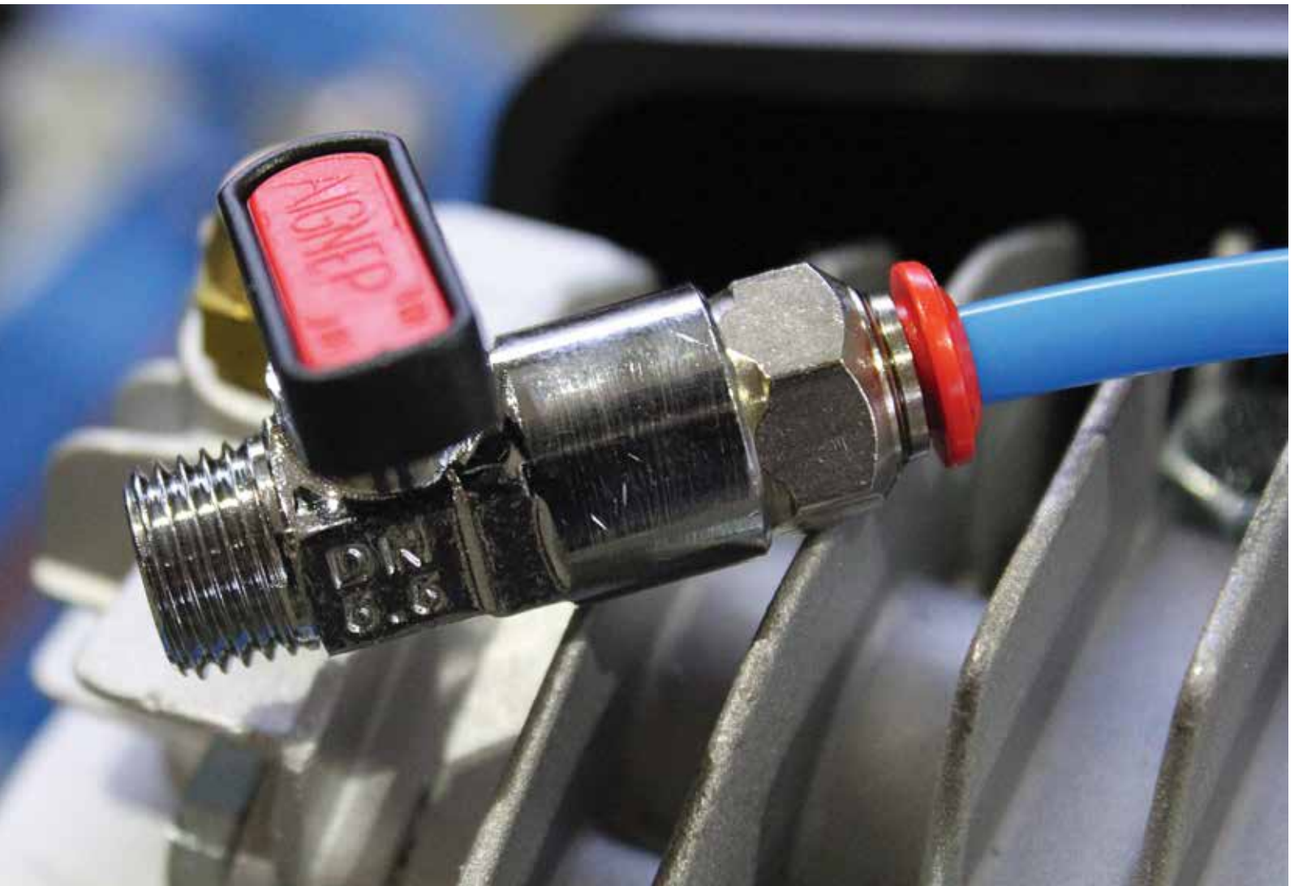
→ Y Connector

CODE	DESCRIPTION
50310 4	Y Connector 4mm
50310 6	Y Connector 6mm
50310 8	Y Connector 8mm
50310 10	Y Connector 10mm

→ Reducer

CODE	DESCRIPTION
50700 4-3	Reducer 4mm x 3mm
50700 6-4	Reducer 6mm x 4mm
50700 6-5	Reducer 6mm x 5mm
50700 8-4	Reducer 8mm x 4mm
50700 8-6	Reducer 8mm x 6mm
50700 10-4	Reducer 10mm x 4mm
50700 10-6	Reducer 10mm x 6mm
50700 10-8	Reducer 10mm x 8mm
50700 12-8	Reducer 12mm x 8mm
50700 12-10	Reducer 12mm x 10mm

NOTES



ADAPTORS

→ Male Y Piece

CODE	DESCRIPTION
6000 1/4	Male Y 1/4"
6000 1/2	Male Y 1/2"

→ Female Y Piece

CODE	DESCRIPTION
6010 1/4	Female Y 1/4"
6010 1/2	Female Y 1/2"

→ Female Elbow

CODE	DESCRIPTION
5010 1/4	Female Elbow 1/4"
5010 1/2	Female Elbow 1/2"
5010 3/4	Female Elbow 3/4"

→ Male/Female Elbow

CODE	DESCRIPTION
5020 1/4	Male/Female Elbows 1/4"
5020 1/2	Male/Female Elbows 1/2"
5020 3/4	Male/Female Elbows 3/4"

→ Plug

CODE	DESCRIPTION
3020 1/8	Plug 1/8"
3020 1/4	Plug 1/4"
3020 3/8	Plug 3/8"
3020 1/2	Plug 1/2"
3020 3/4	Plug 3/4"
3020 1	Plug 1"

→ Nipple

CODE	DESCRIPTION
2000 1/8	Nipple 1/8"
2000 1/4	Nipple 1/4"
2000 3/8	Nipple 3/8"
2000 1/2	Nipple 1/2"
2000 3/4	Nipple 3/4"
2000 1	Nipple 1"

Orienting Nipple

CODE	DESCRIPTION
2110 1/4	Orienting Nipple

Male/Female Cross

CODE	DESCRIPTION
6025 1/2	Male/Female Cross 1/2"

Female Tee

CODE	DESCRIPTION
4000 1/4	Tee Female 1/4"
4000 3/8	Tee Female 3/8"
4000 1/2	Tee Female 1/2"
4000 3/4	Tee Female 3/4"
4000 1	Tee Female 1"

Socket

CODE	DESCRIPTION
3000 1/8	Socket 1/8"
3000 1/4	Socket 1/4"
3000 3/8	Socket 3/8"
3000 1/2	Socket 1/2"
3000 3/4	Socket 3/4"

Male Tee

ALT CODE	DESCRIPTION
4040 1/4	Male Centre Tee 1/4"
4040 1/2	Male Centre Tee 1/2"

Reducing Nipple

CODE	DESCRIPTION
2020 1/8-1/4	Reducing Nipple 1/4" X 1/8"
2020 1/8-3/8	Reducing Nipple 3/8" X 1/8"
2020 1/4-3/8	Reducing Nipple 3/8" X 1/4"
2020 1/4-1/2	Reducing Nipple 1/2" X 1/4"
2020 3/8-1/2	Reducing Nipple 1/2" X 3/8"
2020 1/2-3/4	Reducing Nipple 3/4" X 1/2"
2020 3/4-1	Reducing Nipple 1" X 3/4"

ADAPTORS

INFINITY ACCESSORIES

Bush

CODE	DESCRIPTION
2080 1/4-1/8	Reducing Bush 1/4" X 1/8"
2080 3/8-1/8	Reducing Bush 3/8" X 1/8"
2080 3/8-1/4	Reducing Bush 3/8" X 1/4"
2080 1/2-1/4	Reducing Bush 1/2" X 1/4"
2080 1/2-3/8	Reducing Bush 1/2" X 3/8"
2080 3/4-3/8	Reducing Bush 3/4" X 3/8"
2080 3/4-1/2	Reducing Bush 3/4" X 1/2"
2080 1-1/2	Reducing Bush 1" X 1/2"
2080 1-3/4	Reducing Bush 1" X 3/4"
2080 1 1/4-3/4	Reducing Bush 1 1/4" X 3/4"
2080 1 1/2-1	Reducing Bush 1 1/2" X 1"
2080 2X1	Reducing Bush 2" X 1"

Male Hose

CODE	DESCRIPTION
P3 1/4X1/4	Hose Adaptor Male 1/4" X 1/4"
P3 1/4X3/8	Hose Adaptor Male 1/4" X 3/8"
P3 3/8X1/4	Hose Adaptor Male 3/8" X 1/4"
P3 3/8X3/8	Hose Adaptor Male 3/8" X 3/8"
P3 3/8X1/2	Hose Adaptor Male 3/8" X 1/2"
P3 1/2X1/4	Hose Adaptor Male 1/2" X 1/4"
P3 1/2X3/8	Hose Adaptor Male 1/2" X 3/8"
P3 1/2X1/2	Hose Adaptor Male 1/2" X 1/2"
P3 3/8X1/2	Hose Adaptor Male 3/8" X 1/2"
P3 3/4X3/4	Hose Adaptor Male 3/4" X 3/4"
P3 1X3/4	Hose Adaptor Male 1" X 3/4"
P3 1X1	Hose Adaptor Male 1" X 1"

Hose Adaptor Female

CODE	DESCRIPTION
P10 1/4X1/4	Hose Adaptor Female 1/4" X 1/4"
P10 3/8X1/4	Hose Adaptor Female 3/8" X 1/4"
P10 1/2X1/2	Hose Adaptor Female 1/2" X 1/2"

Female Mini Ball Valve

CODE	DESCRIPTION
6400 1/8	Female Mini Ball Valve 1/8"
6400 1/4	Female Mini Ball Valve 1/4"
6400 3/8	Female Mini Ball Valve 3/8"
6400 1/2	Female Mini Ball Valve 1/2"
6400 3/4	Female Mini Ball Valve 3/4"

ADAPTORS

Male/Female Mini Ball Valve

CODE	DESCRIPTION
6410 1/8	Male/Female Ball Valve 1/8"
6410 1/4	Male/Female Ball Valve 1/4"
6410 3/8	Male/Female Ball Valve 3/8"
6410 1/2	Male/Female Ball Valve 1/2"
6410 3/4	Male/Female Ball Valve 3/4"

Standard Full Flow Ball Valve

CODE	DESCRIPTION
1/2BV	Full Flow Ball Valve 1/2"
3/4BV	Full Flow Ball Valve 3/4"
1BV	Full Flow Ball Valve 1"
1 1/4BV	Full Flow Ball Valve 1 1/4"
1 1/2BV	Full Flow Ball Valve 1 1/2"
2BV	Full Flow Ball Valve 2"

Lockable SS Ball Valve

CODE	DESCRIPTION
INBVL1/2	Lockable SS ball valve 1/2"
INBVL3/4	Lockable SS ball valve 3/4"
INBVL1	Lockable SS ball valve 1"
INBVL1 1/4	Lockable SS ball valve 1 1/4"
INBVL1 1/2	Lockable SS ball valve 1 1/2"
INBVL2	Lockable SS ball valve 2"
INBVL2 1/2	Lockable SS ball valve 2 1/2"

TECHNICAL SPECS

D	L	H	S
15	58.2	48.2	99.5
20	65.5	61.7	126.5
25	76.5	69.3	126.5
32	90	80.7	153
38	98.3	87.2	153
50.8	121.7	95.4	192
65	145.2	119.5	248

Lockout Isolation Valve

CODE	DESCRIPTION
HVHS2000-01-X1	Lock Isolation Valve G 1/8
HVHS2000-02-X1	Lock Isolation Valve G 1/4
HVHS3000-02-X1	Lock Isolation Valve G 1/4
HVHS3000-03-X1	Lock Isolation Valve G 3/8
HVHS4000-04-X1	Lock Isolation Valve G 1/2
HVHS4000-05-X1	Lock Isolation Valve G 1

TECHNICAL SPECS

A	B	C	D	E	F	H	I	J
40	59	39	28	22	40	32	41	6
40	59	39	28	22	40	32	41	6
53	78	49	30	28	45	41.5	53	7.5
53	78	49	30	28	45	41.5	53	7.5
70	84	52	36	36	45	41.5	53	7.5
90	136	72	54	48	68	77	90	8.5

FIXINGS

H-Clamp Cable Tie M10

CODE	DESCRIPTION	BOX QTY
175000	H-Clamp 3-7mm Beam Clamp (M10)	100
175010	H-Clamp 8-13mm Beam Clamp (M10)	100
175020	H-Clamp 14-20mm Beam Clamp (M10)	100

H-Clamp Cable Tie

CODE	DESCRIPTION	BOX QTY
170020	H-Clamp 3-7mm Beam Clamp	100
170030	H-Clamp 8-13mm Beam Clamp	100
170040	H-Clamp 14-20mm Beam Clamp	100

Collar

CODE	ALT CODE	DESCRIPTION
INCO20	90820 20	Collars 20mm
INCO25	90820 25	Collars 25mm
INCO32	90820 32	Collars 32mm
INCO40	90820 40	Collars 40mm
INCO50	90820 50	Collars 50mm
INCO63	90820 63	Collars 63mm
INCO80	90820 80	Collars 80mm
INCO110	90820 110	Collars 110mm
INCO168	90820 168	Collars 168mm

Clip

CODE	ALT CODE	DESCRIPTION
INCL20	PCC-20	Clips 20mm
INCL25	PCC-25	Clips 25mm
INCL32	PCC-32	Clips 32mm
INCL40	PCC-40	Clips 40mm
INCL50	PCC-50	Clips 50mm
INCL63	PCC-63	Clips 63mm

→ Universal Beam Clamp

CODE	DESCRIPTION
386820	Beam Clamp 10mm

→ Threaded Rod

CODE	DESCRIPTION
3TFZ10	Threaded Rod 3m x M10

→ Side Hanger For Steel

CODE	DESCRIPTION	BOX QTY
28100	Side Hanger 25mm M10 x 1/4 with Nut	100

→ Vertical Hanger For Steel

CODE	DESCRIPTION	BOX QTY
28008	Vertical Hanger 25mm M10 x 1/4 with Nut	100

→ Socket Driver (Concrete Hanger)

CODE	DESCRIPTION	BOX QTY
7197	Socket Driver M10 Concrete	5

→ Socket Driver (Steel Hanger)

CODE	DESCRIPTION	BOX QTY
7187	Socket Driver M10 Steel	5

→ Male Mounting Plate

CODE	DESCRIPTION	BOX QTY
CMPM10	CMPM Male Mounting Plate	100

→ Female Mounting Plate

CODE	DESCRIPTION	BOX QTY
CMP10	CMP Mounting Plate	100

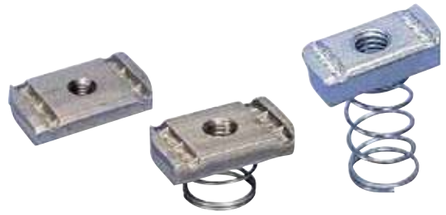
→ Cable Snap Clip

CODE	DESCRIPTION
187390	LB3C Cable Snap Clip

→ Vertical Hanger For Concrete

CODE	DESCRIPTION	BOX QTY
28084	Vertical Hanger 38mm M10 x 6.5 with Nut	100

→ Strut Nut With Spring



CODE	DESCRIPTION
315105	M10 Strut Nut with Spring

EXTRAS

WORKSHEET

→ Threaded Tape

CODE	DESCRIPTION
RED409	Plumbers Thread Tape 7m Length Roll

→ Wonder Juice

CODE	DESCRIPTION
RED408	Wonder Juice 50ml Tube

→ Pipe Cutter

CODE	SIZE
90870 20-63	20 - 63mm
90870 50-110	50 - 110mm
90870 110-168	110 - 168mm

→ Deburring Tool

CODE	DESCRIPTION
90880	Pipe Deburrer suitable for 20mm,25mm,32mm and 40mm.

APPENDIX

SAFETY CERTIFICATIONS

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

- ➔ Aluminium 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 AISA 304
- ➔ Pressure directive – 97/23/CE ART3.3 -0.99 to +15 BAR /-29.6+220 PSI
- ➔ Temperature directive – 97/23/CE ART3.3 -20C +80C
- ➔ Saltwater spraying - Conducted to Standard ASTM B117-03
- ➔ Resistance to:
  - Ultraviolet rays
  - Mineral and synthetic compressor lubricants
  - Environmental weather conditions
  - Mechanical shocks

ISTITUTO GIORDANO s.p.a.

SPECIALISTI IN RICERCA E CERTIFICAZIONE DAL 1959

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Registro Imprese Rimini n. 00549540409
Cap. Soc. € 816.000,00 i.v.

RICONOSCIMENTI UFFICIALI:

PARTECIPAZIONI ASSOCIATIVE:

CLAUSOLE

ABRIDGED TEST REPORT No. 189470

(Refers to test report No. 189076 issued by this Institute on 26/10/2004)

Place and date of issue: Bellaria, 08/11/2004
Customer: AIGNEP S.p.A. - Via Industriale n. 1 - 25070 BIONE (BS)
Date test requested: 13/09/2004
Order number and date: 26665, 14/09/2004
Date specimen received: 13/09/2004
Date test effected: from 11/10/2004 to 15/10/2004
Purpose of test: Testing copper-alloy quick-action couplings for use with aluminium tubes
Test site: Istituto Giordano S.p.A. - Blocco 1 - Via Rossini, 2 - 47814 Bellaria (RN)
Specimen origin: supplied by Customer
Identification of specimen received: No. 2004/1522

Description of specimen

The test specimens are known as "Raccordi ad innesto rapido per tubazioni in alluminio Serie 90.000".

Result of test

The tests listed below, agreed with the Customer and, in the absence of specific standards, conducted in accordance with standard UNI EN 1254-2: 2000, gave the following results:

- Leaktightness under internal pneumatic pressure: No visible signs of leakage;
- bursting strength test: DN 20: 115 bar, DN 25: 75 bar, DN 32: 78 bar, DN 40: 75 bar, DN 50: 58 bar and DN 63: 62 bar;
- resistance to pull-out: maximum axial movement 0,9 mm and no visible leakage in the subsequent pneumatic pressure test;
- leaktightness under internal pneumatic pressure whilst subjected to bending: no visible signs of leakage or damage.

As regards the description of the specimen, normative references, test methods, test equipment, test results and everything else necessary for the identification of the work carried out, please see Test Report No. 189076 issued by this Institute on 26/10/2004.

Test Technician
(Per. Ind. Walter Piratti)

Manager, Applied Physics * Laboratory
Dott. Ing. Vincenzo Iommi

Chairman or Managing Director
Dott. Ing. Vincenzo Iommi

Comp. AV
Revis.

This abridged report consists of 1 sheets
This document is the English translation of the abridged test report No. 189470 of 08/11/2004 issued in Italian
Date of translation: 29/11/2004

Sheet 1 of 1

ISTITUTO GIORDANO
Qualità al Plurale.

Istituto Giordano S.p.A.
Cod. Fis./P. Iva 00 549 540 409 - Cap. Soc. € 880.000 i.v.
R.E.A. c/o C.C.I.A.A. (RN) 156766
Registro imprese di Rimini n. 00 549 540 409
Organismo Europeo notificato n. 0407
Accreditamenti: SINCERT (057A e 082B) - SINAL (0021) - SIT (multisede 20)

LABORATORIO REAZIONE AL FUOCO
Via Verga, 10 - 47043 Gatteo (FC) Italy
Tel. +39 0541 818582 - Fax +39 0541 818074 - reazionealfuoco@giordano.it

TELEFAX

Data / Date: 08/07/2008 — Ns. rif. / Our ref.: Commessa n. 41194

Alla Società / To company: AIGNEP

Attenzione / For the attention of: ***ing. Massimo Salvinelli***

N. Telefono / Tel. n.: 0365 896626 — N. telefax / Fax n.: 0365 896561

Da / From: ***Reaction to Fire Laboratory*** — N. telefonico interno / Internal: 0541 818582 102

Oggetto / Subject: ***Reaction to Fire Classification***

N. pagine: / N. of pages: 1

Messaggio / Message:

Subject

Fire classification of construction products and building elements, based on the results of reaction to fire testing in accordance with UNI EN 13501-1:2005.

Description of the product (according to information supplied by The Customer)

Painted aluminium pipe SERIES 90.000.

Classification was determined by analysis of the paint's gross heat of combustion, coupled with test results as specified in UNI EN ISO 13823 on equivalent flat sheets, having the same thickness of aluminium and paint as the pipe.

Test Results

The product under test has been awarded Reaction to Fire Class A1, in accordance with test results obtained.

The official report will follow, kind regards

The Manager of Reaction to Fire Laboratory
Dott. Gian Luigi Baffoni

Sede centrale
Via Rossini, 2 - 47814 Bellaria (RN) Italy - Tel. +39 0541 343030 - Fax +39 0541 345540 - istitutogiordano@giordano.it - **www.giordano.it**

SAFETY CERTIFICATIONS

CISQ is a member of IQNET
The International Certification Network
www.iqnet-certification.com

ICIM

CERTIFICATO N. *CERTIFICATE No.* **ICIM-9001-000055-11**

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

AIGNEP S.P.A.

SEDE CENTRALE / *HEADQUARTER*

VIA DON G. BAZZOLI 34 25070 BIONE BS IT - Italia

PER LE UNITÀ OPERATIVE VEDERE L'ALLEGATO
FOR OPERATIVE UNITS SEE ATTACHMENT

È CONFORME ALLA NORMA / *IS IN COMPLIANCE WITH THE STANDARD*

UNI EN ISO 9001:2015

Sistema di Gestione per la Qualità / *Quality Management System*

PER LE SEGUENTI ATTIVITÀ / *FOR THE FOLLOWING ACTIVITIES*

IAF: 17 - 18

Progettazione e fabbricazione di: raccordi; valvole a sfera per l'impiantistica pneumatica, oleodinamica ed idraulica; componenti per il trattamento dell'aria compressa (FRL); cilindri pneumatici; elettrovalvole pneumatiche e per fluidi; sistemi di distribuzione dell'aria compressa.

Design and production of: fittings; ball valves for pneumatic, hydraulic and plumbing applications; components for compressed-air treatment (FRL); pneumatic cylinders; pneumatic and fluid electromagnetic valves; distribution systems for compressed-air.

Riferirsi alla documentazione del Sistema di Gestione per la Qualità aziendale per l'applicabilità dei requisiti della norma di riferimento.
Refer to the documentation of the Quality Management System for details of application to reference standard requirements.
Il presente certificato è soggetto al rispetto del documento ICIM "Regolamento per la certificazione dei sistemi di gestione" e al relativo Schema specifico.
The use and the validity of this certificate shall satisfy the requirements of the ICIM document "Rules for the certification of company management systems" and specific Scheme.
Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nello stato della certificazione di cui al presente certificato, si prega di contattare il n° telefonico +39 02 725341 o indirizzo e-mail info@icim.it.
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DATA EMISSIONE *FIRST ISSUE*	EMISSIONE CORRENTE *CURRENT ISSUE*	DATA DI SCADENZA *EXPIRING DATE*
11/12/1992	31/07/2024	17/09/2026

Vincenzo Delacqua
Rappresentante Direzione / *Management Representative*
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Piazza Don Enrico Mapelli, 75 – 20099 Sesto San Giovanni (MI)
www.icim.it

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MS N° 0004

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0449CM_06_IT

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AIGNEP S.P.A.

VIA DON G. BAZZOLI 34 25070 BIONE BS IT - Italia

For Operative Units see Annex/Annexes

has implemented and maintains a/an

Quality Management System

for the following scope:

Design and production of: fittings; ball valves for pneumatic, hydraulic and plumbing applications; components for compressed-air treatment (FRL); pneumatic cylinders; pneumatic and fluid electromagnetic valves; distribution systems for compressed-air.

which fulfils the requirements of the following standard:

ISO 9001:2015

Issued on: **2024-07-31**
First issued on: **1992-12-11**
Expires on: **2026-09-17**

Registration Number:
IT-3755 ICIM-9001-000055-11

Alex Stoichitoiu
President of IQNET

Mario Romersi
President of CISQ

CISQ

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Registro Imprese di Rimini n. 00 549 540 409
Organismo Europeo notificato n. 0407
Accreditamenti: SINCERT (057A e 082B) - SIT (20)

RICONOSCIMENTI UFFICIALI MINISTERI ITALIANI:

- Legge 1086/71 con D.M. 27/11/83 n. 2281/3 "Prove sui materiali da costruzione".
- D.M. 09/11/90 "Certificazione CE per le unità da diporto".
- D.M. 04/06/94 "Certificazione CEE sulle macchine".
- Norma n. 75/1990 del 15/12/96 "Certificazione CEE per gli apparecchi a gas".
- D.M. 09/07/93 "Certificazione CEE in materia di recipienti semplici a pressione".
- D.M. 05/07/93 "Certificazione CEE concernente la sicurezza dei giocattoli".
- Incarichi di verifica della sicurezza e conformità dei prodotti nell'ambito della sorveglianza sul mercato e tutela dei consumatori.
- D.M. 02/04/98 "Rilascio di attestazioni di conformità delle caratteristiche e prestazioni energetiche dei componenti degli edifici e degli impianti".
- Legge 818/84 e D.M. 26/03/85 con autorizzazione del 21/03/86 "Prove di reazione al fuoco secondo D.M. 26/06/84".
- Legge 818/84 e D.M. 26/03/85 con autorizzazione del 10/07/86 "Prove di resistenza al fuoco secondo Circolare n. 91 del 14/09/61".
- Legge 818/84 e D.M. 26/03/85 con autorizzazione del 03/07/92 "Prove di resistenza al fuoco secondo Circolare n. 7 del 02/04/91 norma CNVVF/UCO UNI 9723".
- Legge 818/84 e D.M. 26/03/85 con autorizzazione del 12/04/88 "Prove su estintori d'incendio portatili secondo D.M. 20/12/82".
- Legge 46/82 con D.M. 09/10/85 "Iscrizione nell'albo dei laboratori autorizzati a svolgere ricerche di carattere applicativo a favore delle piccole e medie industrie".
- Protocollo n. 116 del 27/03/87 "Iscrizione allo Schedario Anagrafe Nazionale delle ricerche con codice N.E0493F99".
- Decreto 04/05/92 "Certificazione CE di rispondenza della conformità delle attrezzature a pressione".
- Decreto 14/02/92 "Certificazione CE di conformità in materia di emissione acustica ambientale per macchine e attrezzature".
- Decreto 05/02/93 "Esecuzione delle procedure di valutazione della conformità dell'equipaggiamento marittimo".
- G.U.R.I. n. 236 del 07/10/94 "Certificazione CE sugli ascensori".
- Notifica per le attività di attestazione della conformità alle norme armonizzate della Direttiva 89/106 sui prodotti da costruzione.

ENTI TERZI:

- SINCERT: Accreditamento n. 057A del 19/12/00 "Organismo di certificazione di sistemi di gestione per la qualità" e n. 082B del 12/04/99 "Organismo di certificazione di prodotto".
- SIT: Centro multilaterale n. 20 (Bellaria - Pomezia) per grandezze termometriche ed elettriche.
- IGM: "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto".
- IMQ: "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto per canne fumarie".
- UNCSAAL: Riconoscimento del 26/03/85 "Laboratorio per le prove di certificazione UNCSAAL su serramenti e facciate continue".
- IMQ-LINI: "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto per termocamini a legna con fluido a circolazione forzata".
- CSI-LINI: "Prove di laboratorio in ambito degli schemi di Certificazione di Prodotto per serramenti esterni".
- KEYMARK per isolanti termici: "Misure di conduttività termica per materiali isolanti".
- ITT: "Prove di laboratorio e sorveglianza in azienda nell'ambito degli schemi di Certificazione di Prodotto per porte, finestre, chiusure oscuranti (antieffrazione) e serramenti".
- ITSG: "Prove di laboratorio su casseforti e altri mezzi di custodia".
- ACNOR: "Valutazione della conformità ai fini della marcatura CE per alcuni prodotti inerenti la direttiva prodotti da costruzione".
- VTT-Finlandia: "Valutazione della conformità ai fini della marcatura CE per alcuni prodotti inerenti la direttiva prodotti da costruzione".
- C.C.I.A.A. Rimini: 28/0104 "Verifica periodica dell'affidabilità metrologica di strumenti metrici in materia di commercio".

PARTECIPAZIONI ASSOCIATIVE:

- AIA: Associazione Italiana di Acustica.
- AiCARR: Associazione Italiana Condizionamento dell'Aria Riscaldamento Refrigerazione.
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TEST REPORT No. 236272

Place and date of issue: Bellaria-Igea Marina - Italy, 07/02/2008

Customer: AIGNEP S.p.A. - Via Industriale, 1 - 25070 BIONE (BS) - Italy

Date test requested: 09/11/2007

Order number and date: 39092, 09/11/2007

Date sample received: 20/11/2007

Date test effected: from 20/12/2007 to 08/01/2008

Purpose of test: Testing aluminium-alloy quick-action couplings for use with aluminium tubes

Test site: Istituto Giordano S.p.A. - Blocco 1 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italy

Sample origin: sampled and supplied by the Customer

Identification of sample received: No. 2007/2505

Sample name*

The test samples are called "Raccordi ad innesto rapido per tubazioni in alluminio Serie 90.000" *("Series 90.000 quick-action couplings for use with aluminium tubes").*

(*) according to that stated by the Customer.

Comp. AV Revis.	This test report consists of 10 sheets This document is the English translation of the test report No. 236272 of 07/02/2008 issued in Italian Date of translation: 07/03/2008	Sheet 1 of 10

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ENTI TERZI:

- SINCERT: Accreditamento n. 057A del 19/12/00 "Organismo di certificazione di sistemi di gestione per la qualità" e n. 082B del 12/04/99 "Organismo di certificazione di prodotto".
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ABRIDGED TEST REPORT No. 238763

(Refers to test report No. 236272 issued by this Institute on 07/02/2008)

Place and date of issue: Bellaria-Igea Marina - Italy, 07/04/2008

Customer: AIGNEP S.p.A. - Via Industriale, 1 - 25070 BIONE (BS) - Italy

Date test requested: 09/11/2007

Order number and date: 39092, 09/11/2007

Date specimen received: 20/11/2007

Date test effected: from 20/12/2007 to 08/01/2008

Purpose of test: Testing copper-alloy quick-action couplings for use with aluminium tubes

Test site: Istituto Giordano S.p.A. - Blocco 1 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italy

Specimen origin: sampled and supplied by Customer

Identification of specimen received: No. 2007/2505

Description of specimen

The test specimens are known as "Raccordi ad innesto rapido per tubazioni in alluminio Serie 90.000" *("Copper-alloy quick-action couplings for use with aluminium tubes Series 90.000")*, DN 110.

Result of test

The tests listed below, agreed with the Customer and, in the absence of specific standards, conducted in accordance with standard UNI EN 1254-2:2000, gave the following results:

- leaktightness under internal pneumatic pressure: No visible signs of leakage;
- bursting strength test: 51 bar;
- resistance to pull-out: maximum axial movement 0,49 mm and no visible leakage in the subsequent pneumatic pressure test;
- leaktightness under internal hydraulic pressure whilst subjected to bending: no visible signs of leakage or damage.

As regards the description of the specimen, normative references, test methods, test equipment, test results and everything else necessary for the identification of the work carried out, please see Test Report No. 236272 issued by this Institute on 07/02/2008.

Test Technician (Per. Ind. Walter Tratti)	Manager, Applied Physics Laboratory (Dott. Ing. Vincenzo Iommi)	Chairman or Managing Director *Dott. Ing. Vincenzo Iom*

Comp. AV Revis.	This abridged report consists of 1 sheet This document is the English translation of the abridged test report No. 238763 of 07/04/2008 issued in Italian. Date of translation: 07/04/2008	Sheet 1 of 1

1.40

Outcome Of Test NR. 189076 & NR. 236272 of Giordano Institute

PRODUCT

Air distribution system consisting of:

➔ Tubes in gauged aluminium

➔ Push-in fittings in brass with clamping washer in steel and technopolymeric parts with seal in NBR

TEST NO.1

Test of pressure 1.5 times higher than the maximum declared

DIAMETER FITTINGS AND TUBE	PNEUMATIC RESISTANCE AT 22.5 BAR (1.5PN) FOR 15 MINS	PNEUMATIC RESISTANCE AT 0.5 BAR FOR 15 MINS
DN 20	*No visible leakage	* No visible leakage
DN 25		
DN 32		
DN 40		
DN 50		
DN 63		
DN 110		

TEST NO.2

Pressure of explosion

DIAMETER FITTINGS AND TUBE	PNEUMATIC RESISTANCE AT 22.5 BAR (1.5PN) FOR 15 MINS
DN 20	Pressure 115 bar - un-threading of a fitting from the tube with leaking
DN 25	Pressure 75 bar - complete un-threading of a tube
DN 32	Pressure 78 bar - un-threading of a tube with wet-seal. Pressure 93 bar - complete un-threading
DN 40	Pressure 75 bar - tube becomes un-threaded while trying to increase the pressure
DN 50	Pressure 58 bar - tube becomes un-threaded
DN 63	Pressure 62 bar - leakage; no possibility to increase pressure
DN 110	Pressure 36 bar - leakage

TEST NO. 3

Constant tensile stress in accordance with Norma UNI-EN 1254-2:2000 punto 5.5

DIAMETER FITTINGS AND TUBE	POWER OF STRESS	UN-THREADING OF TUBES (MM)	RESISTANCE AT 6 BAR
DN 20	1500	0.9	*No visible leakage
DN 25	1500	0.4	
DN 32	2000	0.4	
DN 40	2000	0	
DN 50	2000	0	
DN 60	2500	0	
DN 110	2500	0.49	

TEST NO. 4

Resistance under pneumatic internal pressure and bendin stress at the same time according to Norma UNI-EN 1254-2:2000 punto 5.5

DIAMETER FITTINGS AND TUBE	POWER OF STRESS	UN-THREADING OF TUBES (MM)	RESISTANCE AT 6 BAR
DN 20	1800	10	*No visible leakage
DN 25	1800	10	
DN 32	1800	10	
DN 40	2400	10	
DN 50	2700	10	
DN 60	3000	6	
DN 110	3000	6	

Conformity Of Polyester Powder Painting On Aluminium Tubes

PRE-TREATMENT

It guarantees the anchorage of the painting to the tube and prevents corrosion and oxydation of unpainted parts, according to UNI 9921 - DIN 50939 - ASTM D 1730 - MIL C 5541

PAINTING

Made using powder painting non-toxic certified QUALICOT and GSB according to UNI 993 - BS 6496 - AAMA 603-605. The above mentioned treatments prevents corrosion to external parts. Inside is treated with chrome.

Resistance To Fire

SUBJECT

Fire classification of construction products and building elements, based on the result of reaction to fire testing in accordance with UNI EN 13501 - 1:2005

DESCRIPTION OF THE PRODUCT

Painted aluminium pipe 9000 series

Classification was determined by analysis of the paint's gross heat of combustion, coupled with test result as specified in UNI EN 13823 on equivalent flat sheets, having the same thickness of aluminium and paint as the pipe.

TEST RESULT

The product under test has been awarded reaction to fire Class A2 - d1 - d0, in accordance with test result obtained.

CONVERSIONS

WORKSHEET

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 (L/S)	LITRES PER MINUTE (L/M)	LITRES PER HOUR (L/HR)	CUBIC FEET PER SECOND (CFS)	CUBIC FEET PER MINUTE (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

TERMS	DESCRIPTION
PSI	Pound per square inch
KPA	Kilopascal
KG/CM^2	Kilogram per square centimeter
BAR	100 Kilopascals or 14.7 Pounds per square inch

FLOW

TERMS	DESCRIPTION
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
M^3/H	Cubic metres per hour
M^3/S	Cubic metres per second

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