

COMPRESSED AIR PIPING, FIXINGS & ACCESSORIES

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

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Telephone

1300 663 113

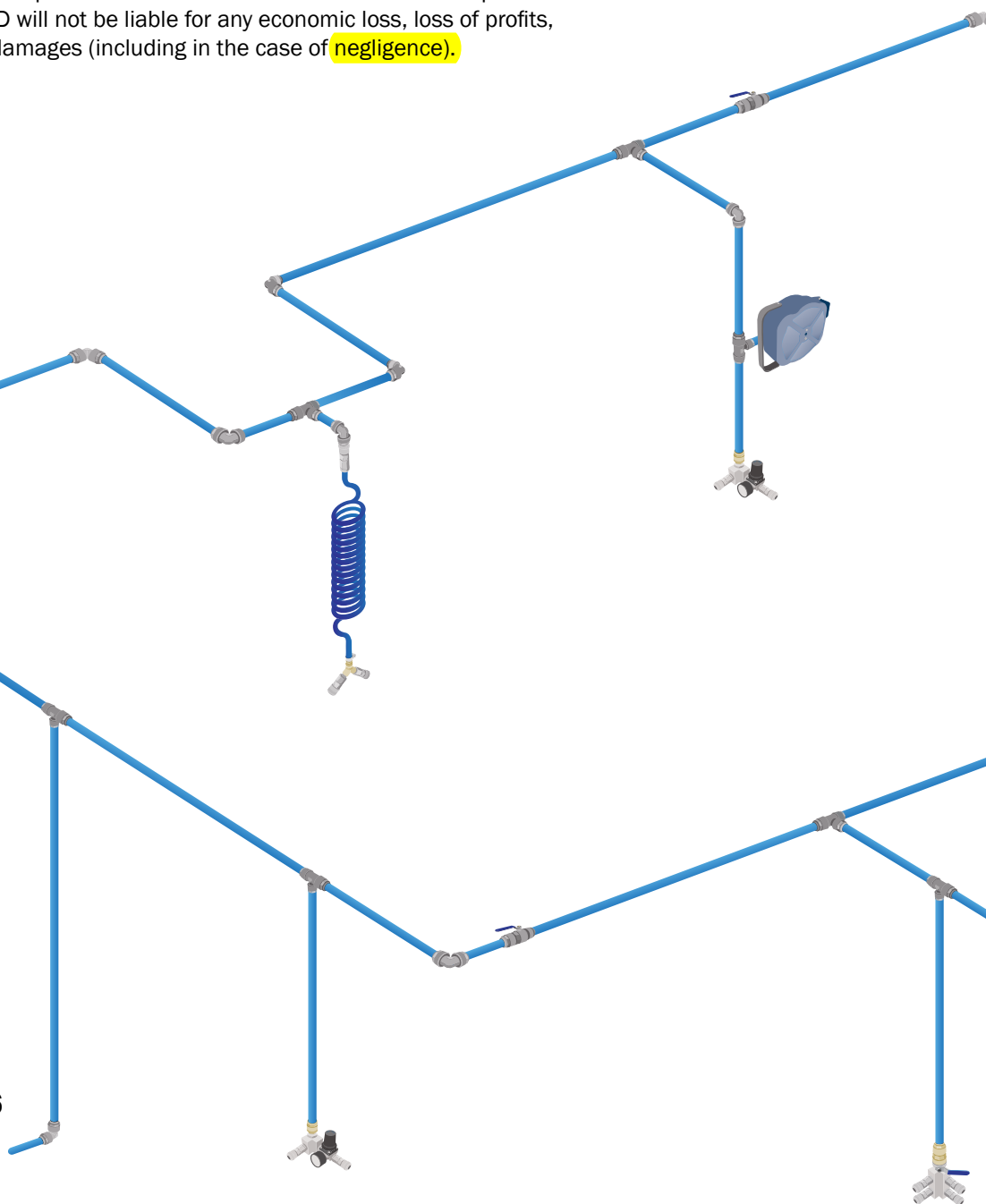
Email

steve@catair.com.au

Head Office

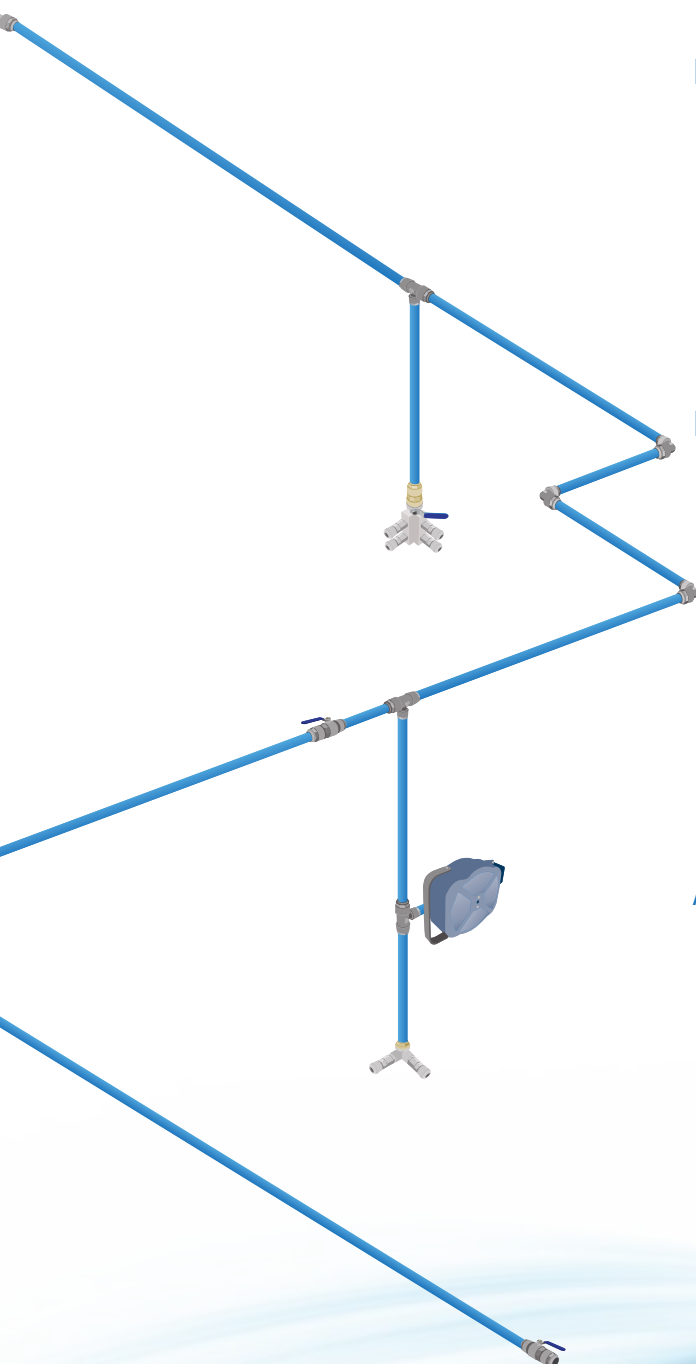
Unit 4, 2-6 Chaplin Drive

Lane Cove West NSW 2066



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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.





INFINITY PIPE AND FITTINGS

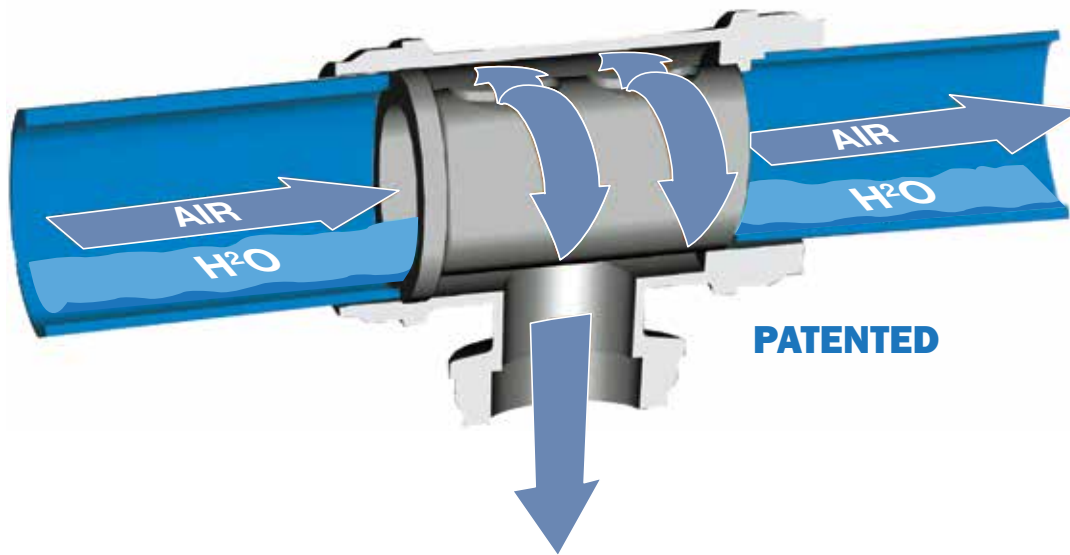
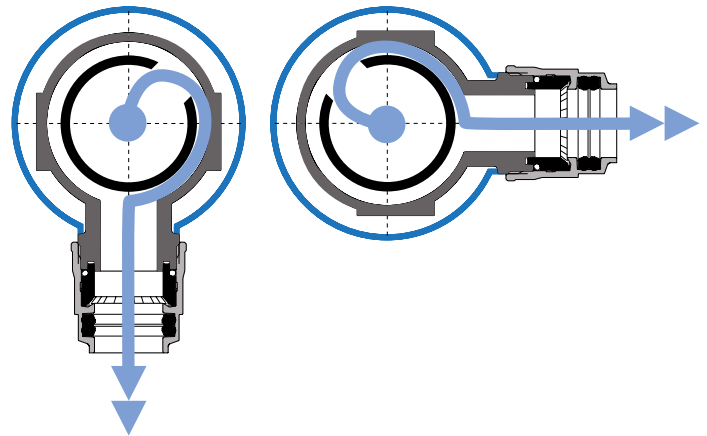
High performance aluminium pipe and fittings, compatible with air, nitrogen and vacuum.

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.



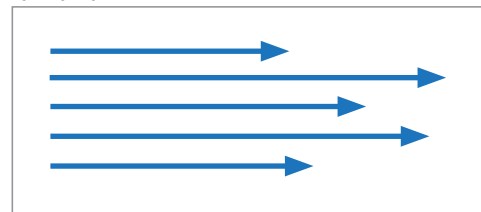
The most overlooked area in piping layout and design is the velocity of the compressed fluid. Under-sizing the internal diameter of the pipe relevant to the flow required will increase the velocity.

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.

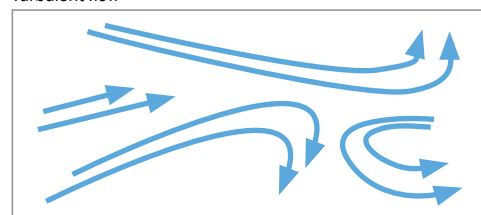
High velocity (under sizing the pipe system) can be a significant cause of:

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

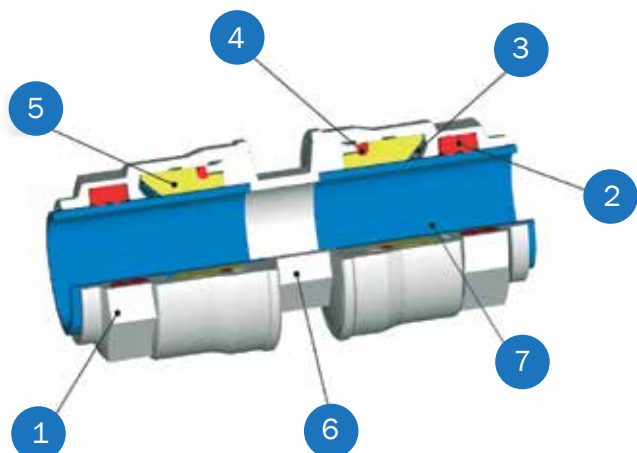
Laminar flow



Turbulent flow



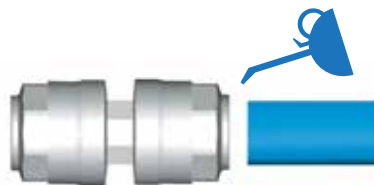
PUSH-IN 20 - 25 - 32 - 40 - 50 - 63



- 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	15 bar (1.5 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.

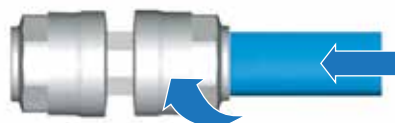
DIAMETER	TORQUE
20	300 cN.m
25	300 cN.m
32	400 cN.m
40	650 cN.m

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

INSTALLATION 50 - 63

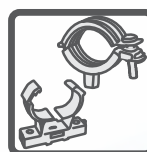


- 1 Fittings of 50 - 63 are pre-assembled with nut untwisted to help tube connection. Tubes of 6m are pre-coated, calibrated and deburred.



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

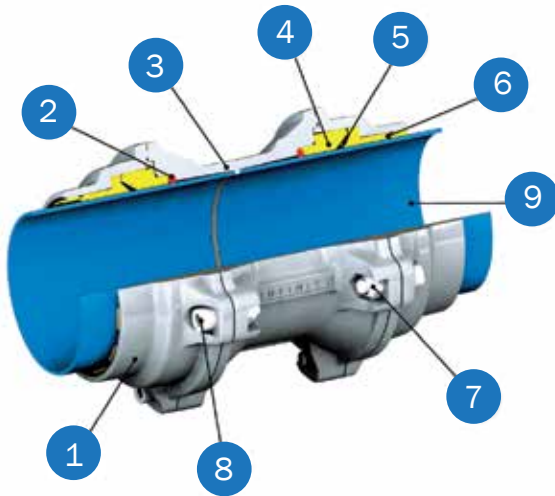


Install system
floating to
ground

INFINITY PIPE & FITTINGS

TECHNICAL CHARACTERISTICS

PUSH-IN 80-110



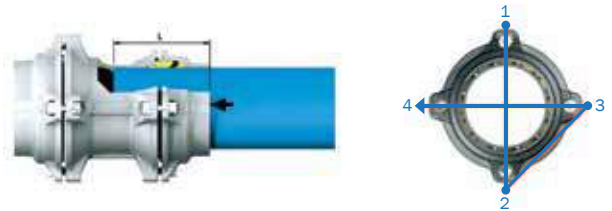
- 1 Nut made in aluminium with proper surface treatment
- 2 O-RING Seal made in NBR
- 3 Body made in aluminium with proper surface treatment
- 4 Safety ring made in technopolymeric
- 5 Clamping washer made in compliance with AISI 301
- 6 Tube-guide ring made in technopolymeric
- 7 Selflocking nut in 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	15 bar (1.5 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



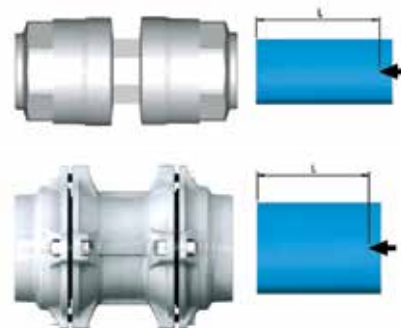
- 1 Fittings of 80-110 are pre-assembled with four screws untwisted to help tube connection. Tubes of 6m are pre-coated, calibrated and deburred.



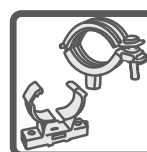
- 2 Push tube into the fitting for automatic connection and screw up in the suggested sequence. Tightening torque 30Nm.

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.

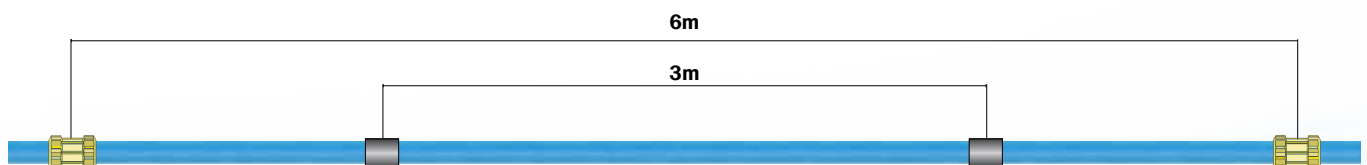
1. Choose the flow rate of compressor in the red column.
2. Choose the distance between compressor and the most distant using point in the blue column.
3. Cross the lines of flow rate and blue column of distance to choose the diameter.

FLOW RATE			Distance from compressor to furthest outlet										
NI/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



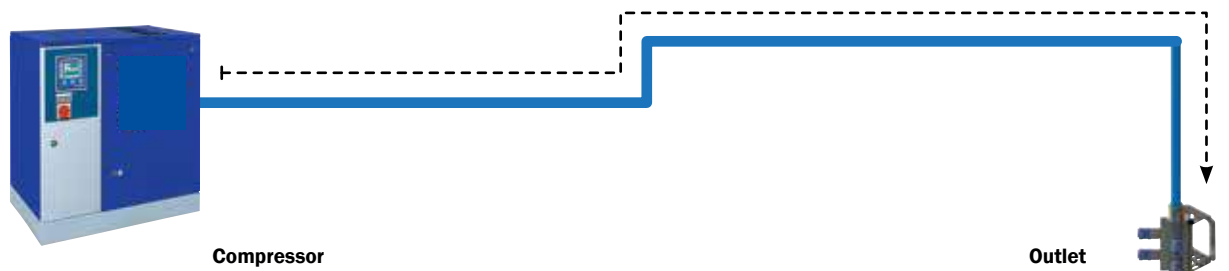
Distance From Compressor To Furthest Outlet

Distance between the compressor
and the furthest outlet

Ring Main System



Linear System



Air Consumption Values

INDICATIVE FLOW RATES			
K.W.	HP	M ³ /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

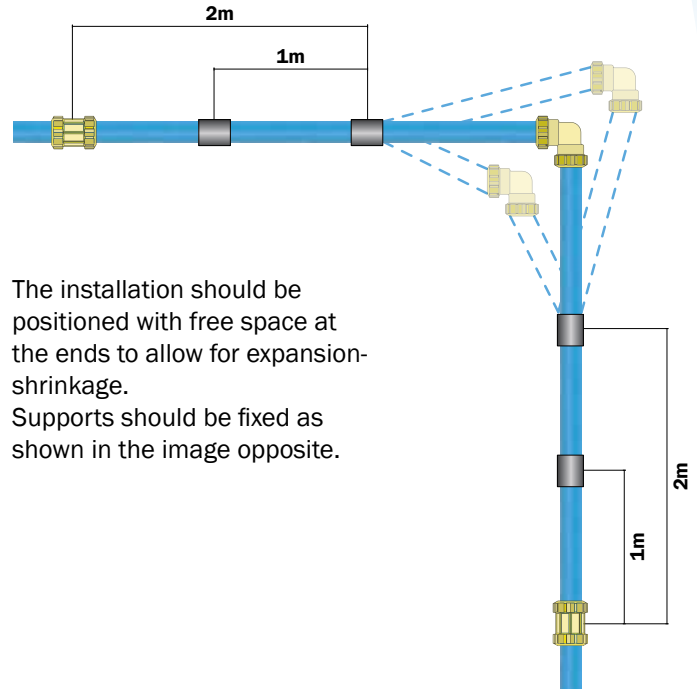
TOOLS	TYPICAL CONSUMPTION AT AN OPERATING PRESSURE OF 6 BAR (CFM)
Small process controls, instrumentation, pneumatic logic units	= 4 CFM
Paint spray gun, small impact wrench, light/medium drill, blowgun	= 9 CFM
Polisher, screwdriver	= 25 CFM
Sheet metal cutter, large impact wrench, automatic plane	= 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:

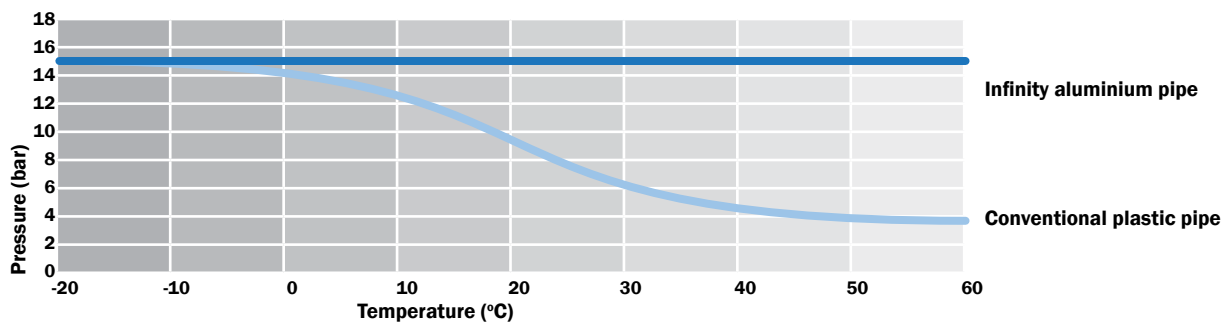
$$\Delta L = \Delta T \times L \times \alpha$$

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



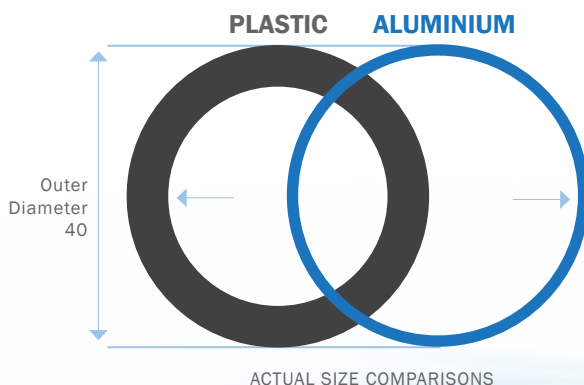
The installation should be positioned with free space at the ends to allow for expansion-shrinkage. Supports should be fixed as shown in the image opposite.

Maximum Working Pressure Versus Operating Temperature



Size For Size There Is No Comparison

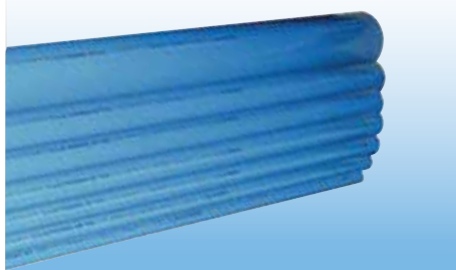
Infinity Pipe Systems when compared with traditional poly systems can often be installed 1 size smaller in diameter due to the thin cross section of the wall whilst maintaining full rigidity and strength.



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



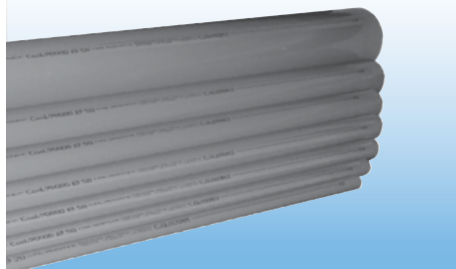
CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
IN20X6M	900006 20	Aluminium Pipe 20mm x 6m	62
IN25X6M	900006 25	Aluminium Pipe 25mm x 6m	124
IN32X6M	900006 32	Aluminium Pipe 32mm x 6m	247
IN40X6M	900006 40	Aluminium Pipe 40mm x 6m	424
IN50X6M	900006 50	Aluminium Pipe 50mm x 6m	742
IN63X6M	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

→ Aluminium Nitrogen Pipe



CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
IN20X6G	900006 20 G	Aluminium Pipe 20mm x 6m	62
IN25X6G	900006 25 G	Aluminium Pipe 25mm x 6m	124
IN32X6G	900006 32 G	Aluminium Pipe 32mm x 6m	247
IN40X6G	900006 40 G	Aluminium Pipe 40mm x 6m	424
IN50X6G	900006 50 G	Aluminium Pipe 50mm x 6m	742
IN63X6G	900006 63 G	Aluminium Pipe 63mm x 6m	1554
IN80X6M	900006 80	Aluminium Pipe 80mm X 6m	2931
IN110X6M	900006 110	Aluminium Pipe 110mm X 6m	3531

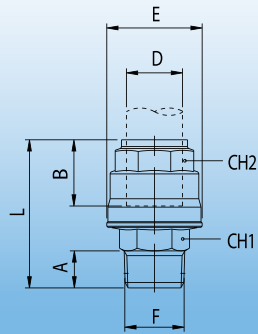
→ Aluminium Vacuum Pipe



CODE	ALT CODE	DESCRIPTION	MAX FLOW RATE (CFM) (25M, @7BAR)
INV20X6M	900006GR 20	Aluminium Pipe 20mm x 6m	62
INV25X6M	900006GR 25	Aluminium Pipe 25mm x 6m	124
INV32X6M	900006GR 32	Aluminium Pipe 32mm x 6m	247
INV40X6M	900006GR 40	Aluminium Pipe 40mm x 6m	424
INV50X6M	900006GR 50	Aluminium Pipe 50mm x 6m	742
INV63X6M	900006GR 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

MAX PRESSURE	15 Bar
WORKING TEMPERATURE RANGE	-20 °C to 80 °C (Fire tested in accordance with UNI EN 13501-1:2005)
UV EFFECT	NONE
EXTRUDED ALUMINIUM	UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2
CHEMICAL COMPOSITION	Si: 0.3 ÷ 0.6 - Mg: 0.35 ÷ 0.6 - Fe: 0.10 ÷ 0.30
DESIGNATIONS UNI EN 573 - 3	EN AW 6060
HEAT TREATMENT / MELTING POINT	DRAINED "16" / 600 °C
SURFACE TREATMENT	Electrostatic painting
SPECIFIC WEIGHT / RESISTANCE	2.70 Kg/dm³ / 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/mm²
COEFFICIENT OF ELASTICITY	66000 N/mm²
PROPORTIONALITY DEVIATION LOAD	165 N/mm²
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 Adapter

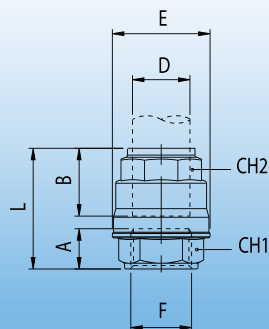


CODE	ALT CODE	DESCRIPTION
INMA2012	90010 20-1/2	Straight Male Adapter 20mm x 1/2"
INMA2520	90010 25-3/4	Straight Male Adapter 25mm x 3/4"
INMA3225	90010 32-1	Straight Male Adapter 32mm x 1"
INMA4032	90010 40-1 1/4	Straight Male Adapter 40mm x 1 1/4"
INMA5040	90010 50-1 1/2	Straight Male Adapter 50mm x 1 1/2"
INMA6350	90010 63-2	Straight Male Adapter 63mm x 2"

TECHNICAL SPECS

D	F	A	B	E	L	CH1	CH2
20	1/2	14	31.5	34.5	56	22	30
25	3/4	16.5	38.5	42.5	66	27	35
32	1	19	46	52	76.5	34	45
40	1 1/4	21.5	52	63	89.5	45	55
50	1 1/2	21.5	63.5	73	92	50	65
63	2	24	75.5	92	105	65	70

→ Straight Female Adapter

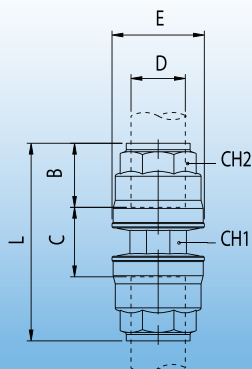


CODE	ALT CODE	DESCRIPTION
INF2012	90030 20-1/2	Straight Female Adapter 20mm x 1/2"
INF2520	90030 25-3/4	Straight Female Adapter 25mm 3/4"
INF3225	90030 32-1	Straight Female Adapter 32mm 1"
INF4032	90030 40-1 1/4	Straight Female Adapter 40mm 1 1/4"
INF5040	90030 50-1 1/2	Straight Female Adapter 50mm 1 1/2"
INF6350	90030 63-2	Straight Female Adapter 63mm 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
50	1 1/2	22	63.5	73	85.5	55	65
63	2	22	75.5	92	99.5	65	70

→ Straight Coupling

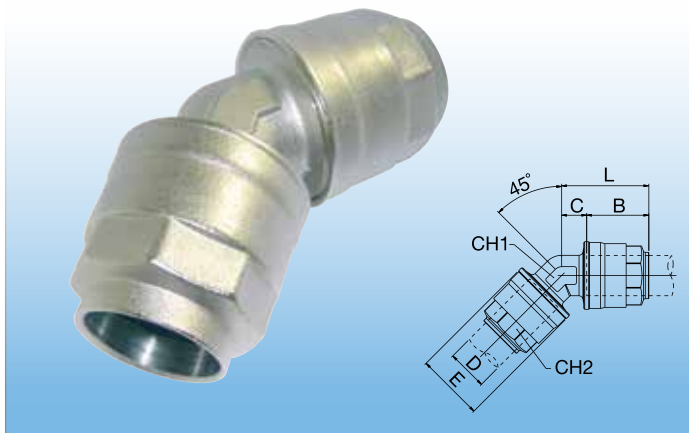


CODE	ALT CODE	DESCRIPTION
INC20	90040 20	Straight Coupling 20mm
INC25	90040 25	Straight Coupling 25mm
INC32	90040 32	Straight Coupling 32mm
INC40	90040 40	Straight Coupling 40mm
INC50	90040 50	Straight Coupling 50mm
INC63	90400 63	Straight Coupling 63mm

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
50	63.5	21.5	73	148.5	50	65
63	75.5	25	92	176.5	65	70

→ 135° Connector

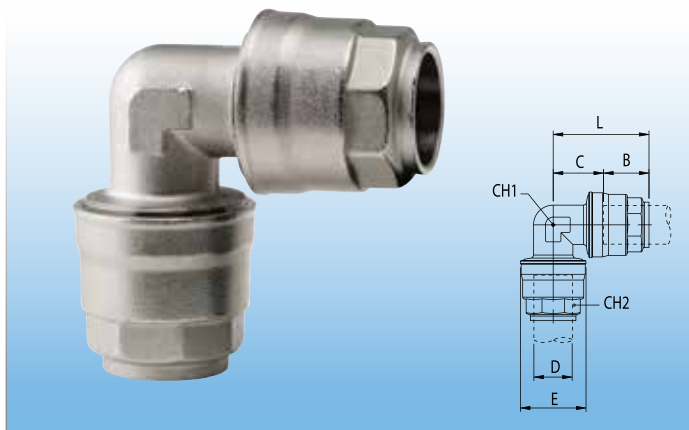


CODE	ALT CODE	DESCRIPTION
INEC20	90140 20	135° Connector 20mm
INEC25	90140 25	135° Connector 25mm
INEC32	90140 32	135° Connector 32mm
INEC40	90140 40	135° Connector 40mm
INEC50	90140 50	135° Connector 50mm
INEC63	90140 63	135° Connector 63mm

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
63	75.5	24	92	99.5	65	70

→ Elbow Connector

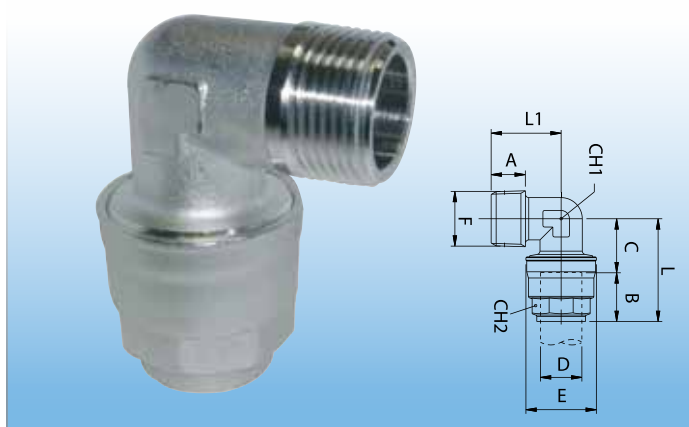


CODE	ALT CODE	DESCRIPTION
INE20	90130 20	Elbow Connector 20mm
INE25	90130 25	Elbow Connector 25mm
INE32	90130 32	Elbow Connector 32mm
INE40	90130 40	Elbow Connector 40mm
INE50	90130 50	Elbow Connector 50mm
INE63	90130 63	Elbow Connector 63mm

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

→ Male Elbow Connector

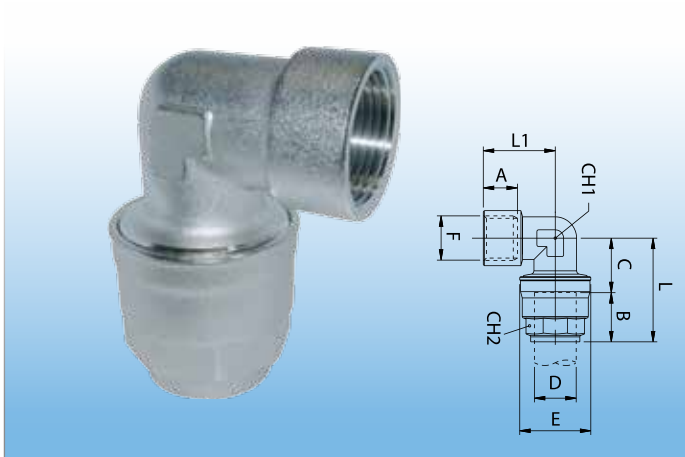


CODE	ALT CODE	DESCRIPTION
INEM20	90150 20-1/2	Male Elbow Connector 20mm
INEM25	90150 25-3/4	Male Elbow Connector 25mm
INEM32	90150 32-1	Male Elbow Connector 32mm
INEM40	90150 40-1 1/4	Male Elbow Connector 40mm
INEM50	90150 50-1 1/2	Male Elbow Connector 50mm
INEM63	90150 63-2	Male Elbow Connector 63mm

TECHNICAL SPECS

D	F	A	B	C	E	L	L1	CH1	CH2
20	1/2	13	31.5	19	34.5	51	32	21	30
25	3/4	14.5	38.5	23	42.5	61.5	37	26	35
32	1	16.5	46	28	52	74.5	49	34	45
40	1 1/4	20	52	34	63	86.5	54	41	55
50	1 1/2	22	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

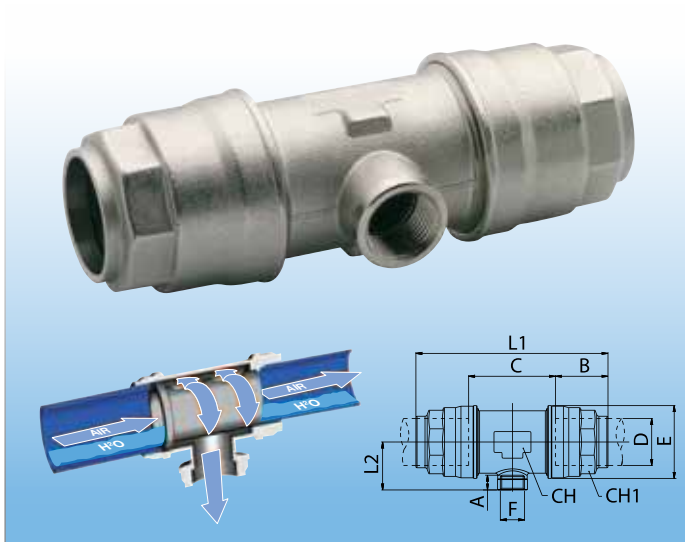


CODE	ALT CODE	DESCRIPTION
INEF20	90160 20-1/2	Female Elbow Connector 20mm
INEF25	90160 25-3/4	Female Elbow Connector 25mm
INEF32	90160 32-1	Female Elbow Connector 32mm
INEF40	90160 40-1 1/4	Female Elbow Connector 40mm
INEF50	90160 50-1 1/2	Female Elbow Connector 50mm
INEF63	90160 63-2	Female Elbow Connector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

TECHNICAL SPECS

D	F	A	B	C	E	L	L1	CH1	CH2
20	1/2	13	31.5	19	34.5	51	32	21	30
25	3/4	14.5	38.5	23	42.5	61.5	37	26	35
32	1	16.5	46	28	52	74.5	49	34	45
40	1 1/4	20	52	34	63	86.5	54	41	55
50	1 1/2	22	63.5	40.5	73	104	59	50	65
63	2	21.7	75.5	52	92	127.5	71	65	70

→ Female Tee Connector

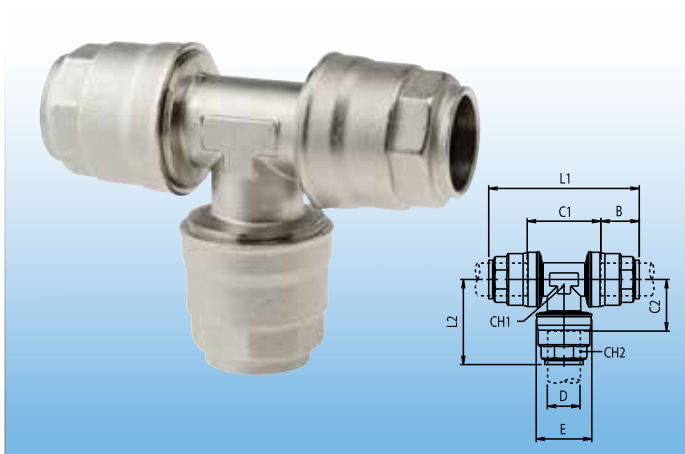


CODE	ALT CODE	DESCRIPTION
INTF20-3/8	90236 20-3/8	Female Tee Connector 20 X 3/8"
INTF20-1/2	90236 20-1/2	Female Tee Connector 20 X 1/2"
INTF25-1/2	90236 25-1/2	Female Tee Connector 25 X 1/2"
INTF25-3/8	90236 25-3/8	Female Tee Connector 25 X 3/8"
INTF32-1/2	90236 32-1/2	Female Tee Connector 32 X 1/2"
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"

TECHNICAL SPECS

D	F	A	B	C	E	L1	L2	CH	CH1
20	3/8	13.5	31.5	48	34.5	109	28	28	30
20	1/2	11	31.5	48	34.5	109	25	28	30
25	1/2	11	38.5	45.5	42.5	121.5	29	35	35
25	3/8	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

→ Tee Connector

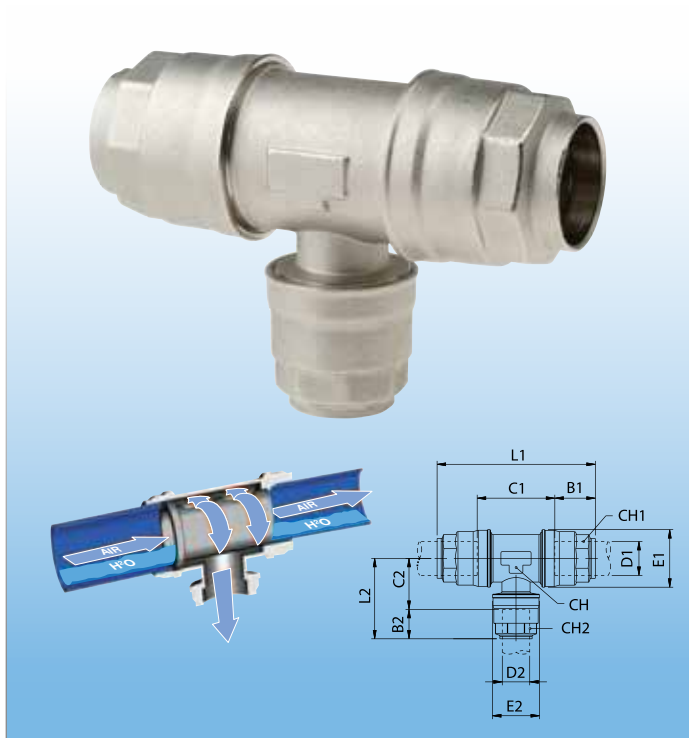


CODE	ALT CODE	DESCRIPTION
INT20	90230 20	Tee Connector 20mm
INT25	90230 25	Tee Connector 25mm
INT32	90230 32	Tee Connector 32mm
INT40	90230 40	Tee Connector 40mm
INT50	90230 50	Tee Connector 50mm
INT63	90230 63	Tee Connector 63mm

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

→ Reducing Tee Connector

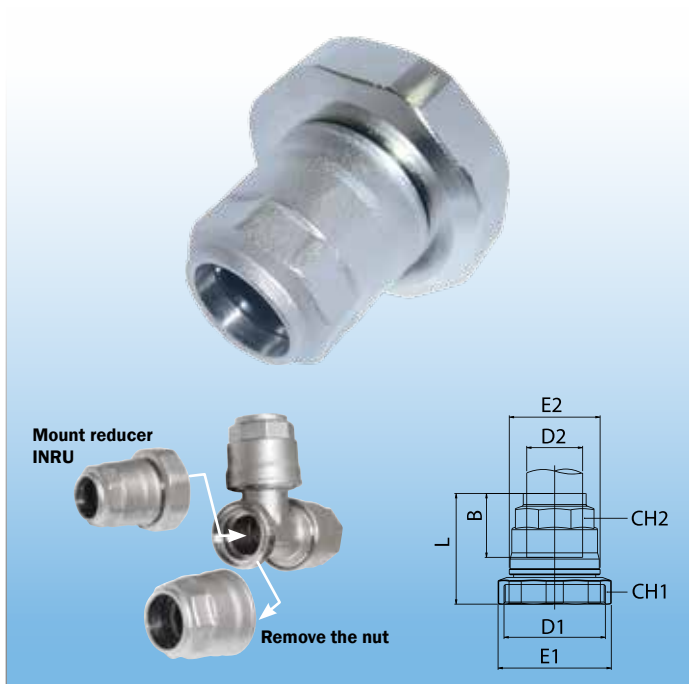


CODE	ALT CODE	DESCRIPTION
INRT2520	90235 25-20	Reducing Tee Connector 25 X 20mm
INRT3220	90235 32-20	Reducing Tee Connector 32 X 20mm
INRT3225	90235 32-25	Reducing Tee Connector 32 X 25mm
INRT4020	90235 40-20	Reducing Tee Connector 40 X 20mm
INRT4025	90235 40-25	Reducing Tee Connector 40 X 25mm
INRT5020	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

TECHNICAL SPECS

D1	D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2
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	87	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

→ Reducing Union

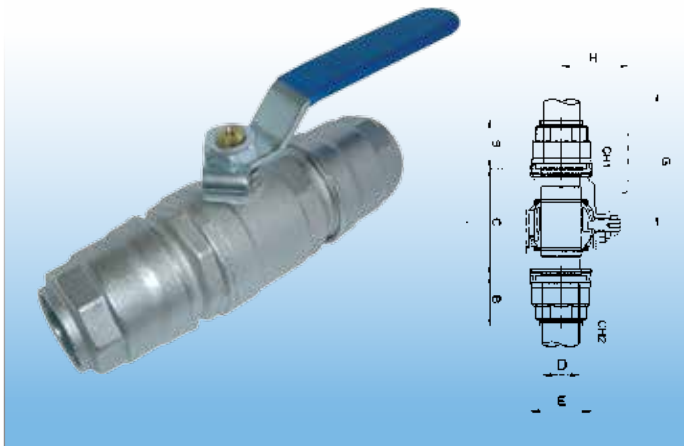


CODE	ALT CODE	DESCRIPTION
INRU2520	90620 25-20	Reducing Union 25 X 20mm
INRU3220	90620 32-20	Reducing Union 32 X 20mm
INRU3225	90620 32-25	Reducing Union 32 X 25mm
INRU4020	90620 40-20	Reducing Union 40 X 20mm
INRU4025	90620 40-25	Reducing Union 40 X 25mm
INRU4032	90620 40-32	Reducing Union 40 X 32mm
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

TECHNICAL SPECS

D1	D2	B	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

→ Ball Valve Coupling

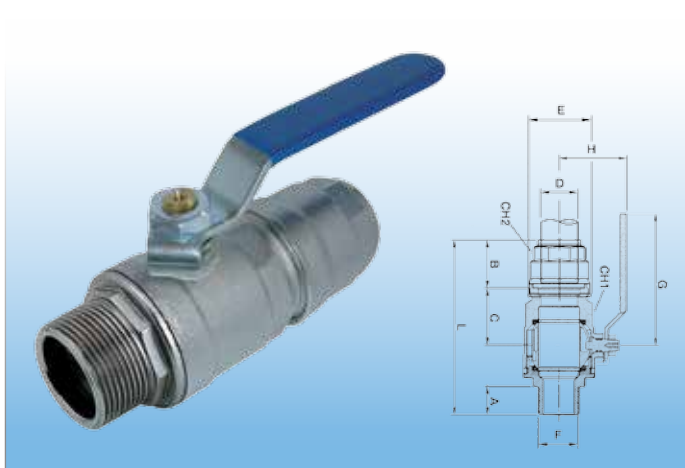


CODE	ALT CODE	DESCRIPTION
INBV20	90700 20	Ball Valve Coupling 20mm
INBV25	90700 25	Ball Valve Coupling 25mm
INBV32	90700 32	Ball Valve Coupling 32mm
INBV40	90700 40	Ball Valve Coupling 40mm
INBV50	90700 50	Ball Valve Coupling 50mm
INBV63	90700 63	Ball Valve Coupling 63mm

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
63	59	77	126	92	280	92	70	240	111.5

→ Ball Valve Tube To Male Thread Bsp

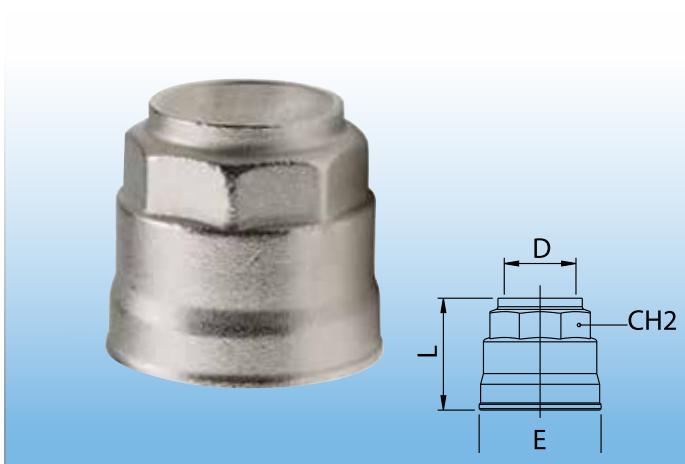


CODE	ALT CODE	DESCRIPTION
INBV20-1/2	90720 20-1/2	Ball Valve 20 X 1/2"
INBV25-3/4	90720 25-3/4	Ball Valve 25 X 3/4"

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

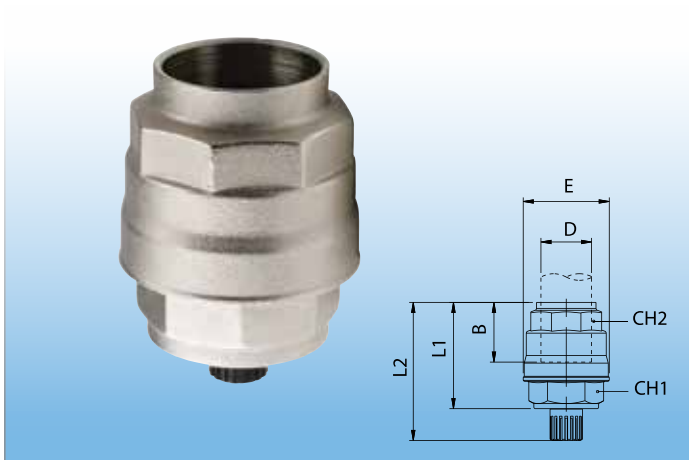


CODE	ALT CODE	DESCRIPTION
INP20	90610 20	Plug 20mm
INP25	90610 25	Plug 25mm
INP32	90610 32	Plug 32mm
INP40	90610 40	Plug 40mm
INP50	90610 50	Plug 50mm
INP63	90610 63	Plug 63mm

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	68	73	65
63	74.5	92	70

→ Drip Leg Drain

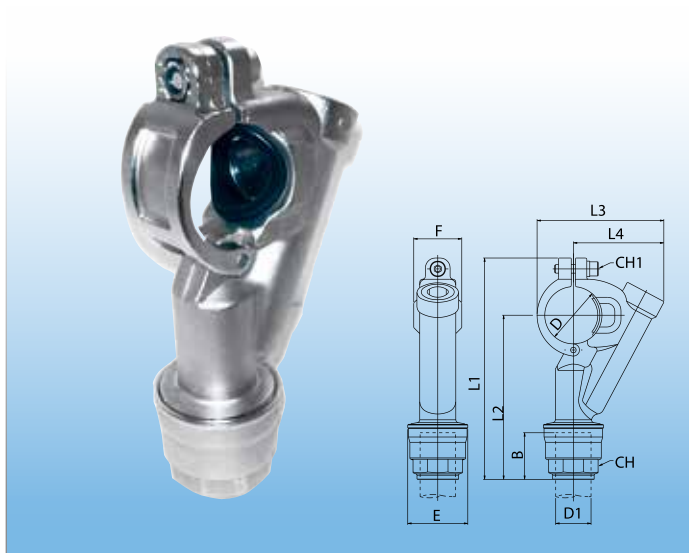


CODE	ALT CODE	DESCRIPTION
INDLD20	90260 20	Drip Leg Drain 20mm
INDLD25	90260 25	Drip Leg Drain 25mm
INDLD32	90260 32	Drip Leg Drain 32mm
INDLD40	90260 40	Drip Leg Drain 40mm
INDLD50	90260 50	Drip Leg Drain 50mm
INDLD63	90260 63	Drip Leg Drain 63mm

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

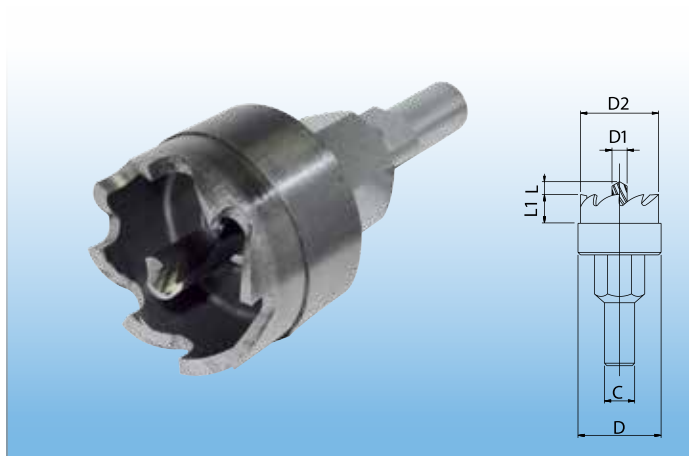


CODE	ALT CODE	DESCRIPTION
INSCC3220	90240 32-20	Saddle Clamp Connector 32 X 20mm
INSCC3225	90240 32-25	Saddle Clamp Connector 32 X 25mm
INSCC4020	90240 40-20	Saddle Clamp Connector 40 X 20mm
INSCC4025	90240 40-25	Saddle Clamp Connector 40 X 25mm
INSCC5020	90240 50-20	Saddle Clamp Connector 50 X 20mm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

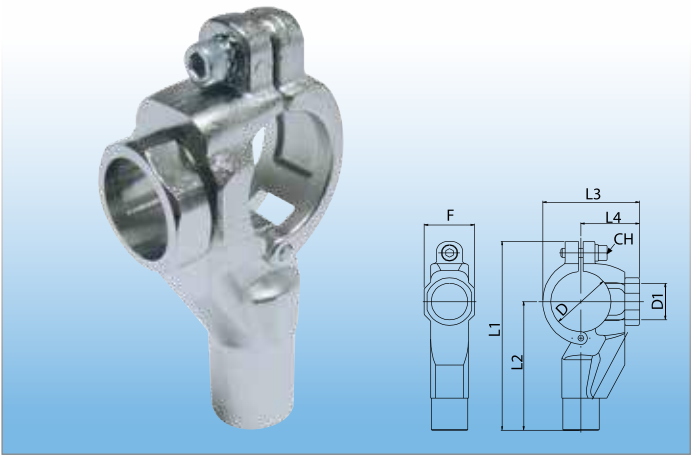


CODE	ALT CODE	DESCRIPTION
INSC32-40	90241 32-40	Tool For Saddle Clamp Connector
INSC50-63	90241 50-63	Tool For Saddle Clamp Connector

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

→ Drilling Rig

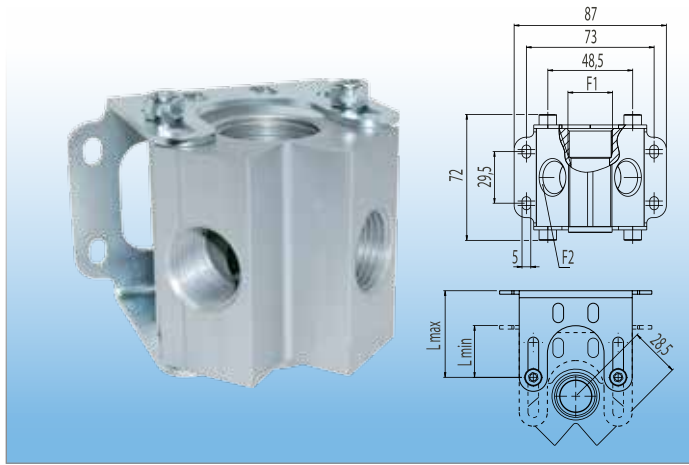


CODE	ALT CODE	DESCRIPTION
INDR32	90242-32	Drilling Rig For 32mm
INDR40	90242-40	Drilling Rig For 40mm
INDR50	90242-50	Drilling Rig For 50mm
INDR63	90242-63	Drilling Rig For 63mm

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

→ Manifold - 2 Way

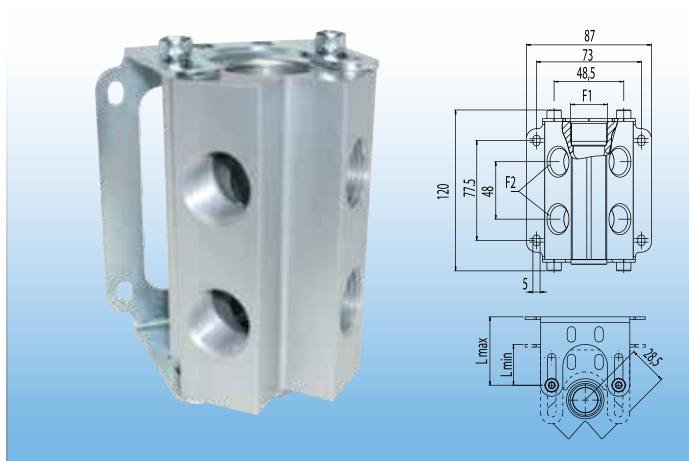


CODE	ALT CODE	DESCRIPTION
INM1/2-1/2	90642 1/2-1/2	2-Way Manifold 1/2 X 1/2"
INM3/4-1/2	90642 3/4-1/2	2-Way Manifold 3/4 X 1/2"

TECHNICAL SPECS

F1	F2	Nº	LMAX	LMIN
1/2	1/2	2	40	22
3/4	1/2	2	40	22

→ Manifold - 4 Way

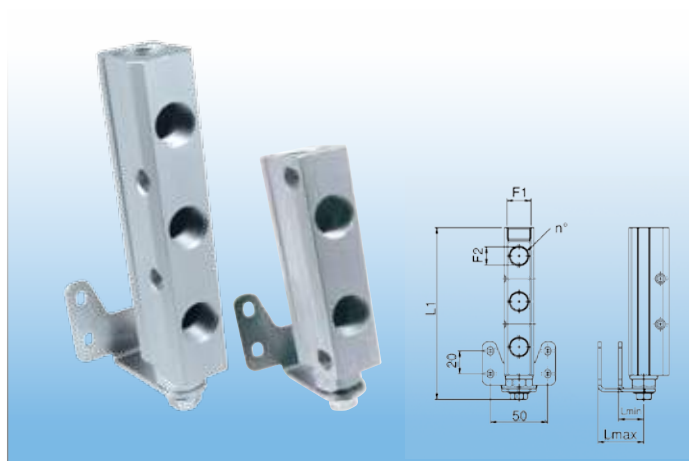


CODE	ALT CODE	DESCRIPTION
INM4-1/2	90644-1/2	4-Way Manifold 1/2"- 1/2"
INM4-3/4	90644-3/4	4-Way Manifold 3/4"- 1/2"

TECHNICAL SPECS

F1	F2	Nº	LMAX	LMIN
1/2	1/2	4	40	22
3/4	1/2	4	40	22

→ Manifold - Parallel Holes

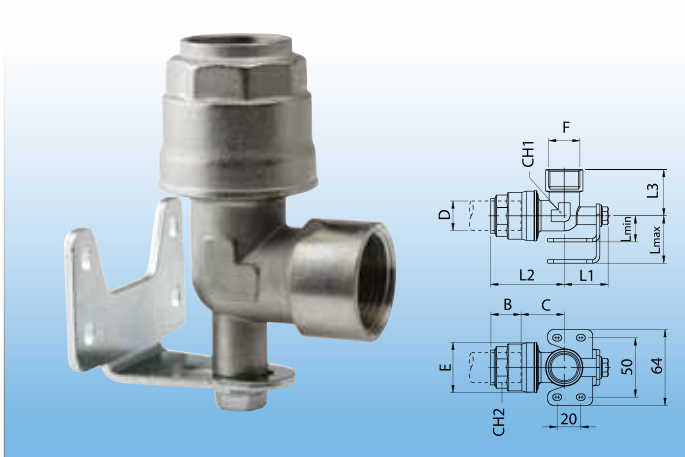


CODE	ALT CODE	DESCRIPTION
INM2	90647 1/2-3/8-2	2 Holes Manifold 1/2" X 3/8"
INM3	90647 1/2-3/8-3	3 Holes Manifold 1/2" X 3/8"

TECHNICAL SPECS

F1	F2	Nº	L1	LMAX	LMIN
1/2	3/8	2	111.5	40	22
1/2	3/8	3	151.5	40	22

→ Lugged Female Elbow

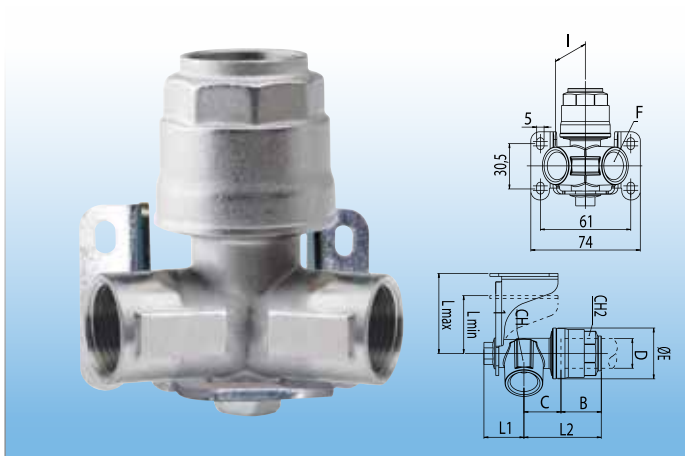


CODE	ALT CODE	DESCRIPTION
INLE2012	90600 20-1/2	Lugged Female Elbow 20mm X 1/2"
INLE2520	90600 25-3/4	Lugged Female Elbow 25mm X 3/4"
INLE3225	90600 32-1	Lugged Female Elbow 32mm X 1"

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

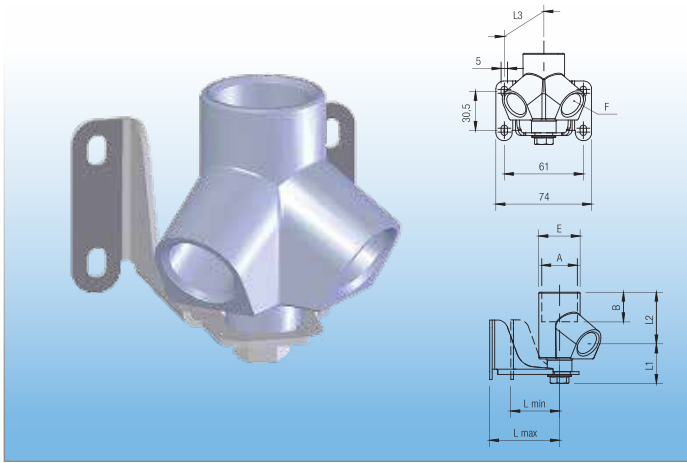


CODE	ALT CODE	DESCRIPTION
INM20-1/2	90602 20-1/2	2 Way Manifold 20-1/2"
INM25-1/2	90602 25-1/2	2 Way Manifold 25-1/2"

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

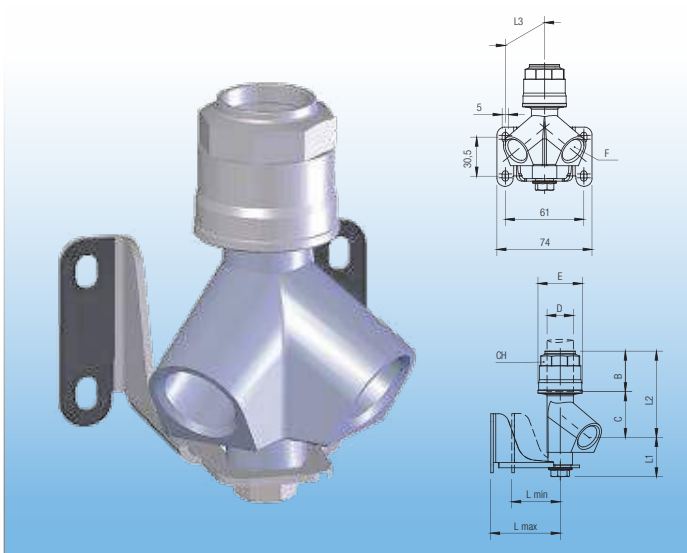


CODE	ALT CODE	DESCRIPTION
INMF1/2-1/2	90662 1/2 - 1/2	2-Way Manifold Female 1/2 X 1/2
INMF1/2-3/4	90662 1/2 - 3/4	2-Way Manifold Female 1/2 X 3/4

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

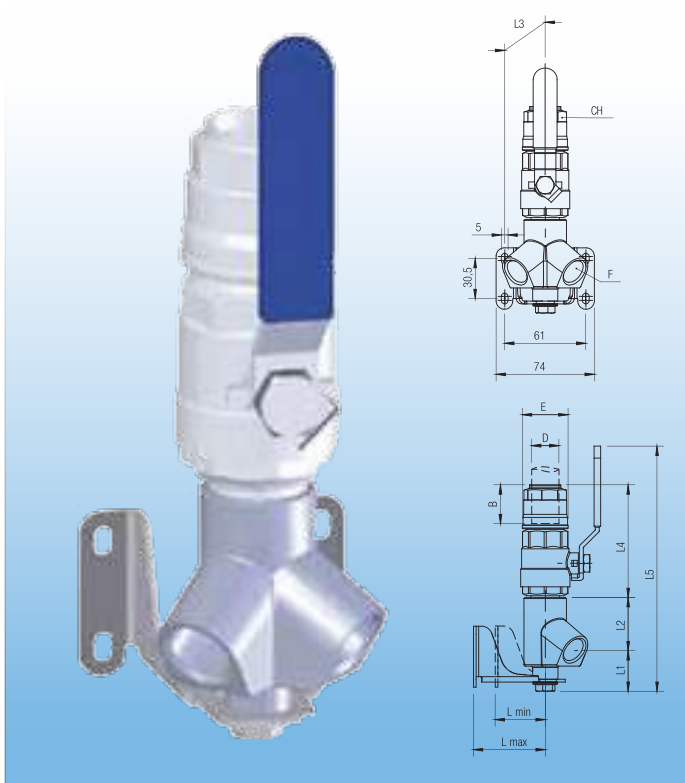


CODE	ALT CODE	DESCRIPTION
INMF2012	90660 20 - 1/2	2-Way Manifold Female 20-1/2
INMF2512	90660 25 - 1/2	2-Way Manifold Female 25-1/2

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

80-110MM PIPING SYSTEMS & FITTINGS

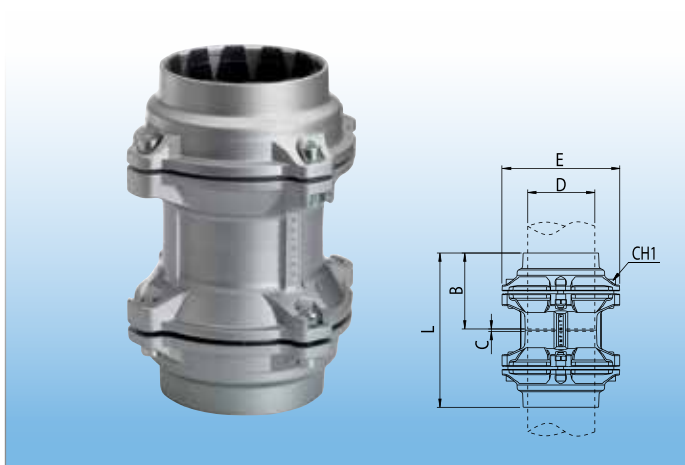
The 80-110mm diameter Infinity pipe and fittings are especially designed for heavy industrial uses. The range offers a high quality and durable piping system.

→ **80-110mm Aluminium Air Pipe**



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

→ **80-110mm Coupling**

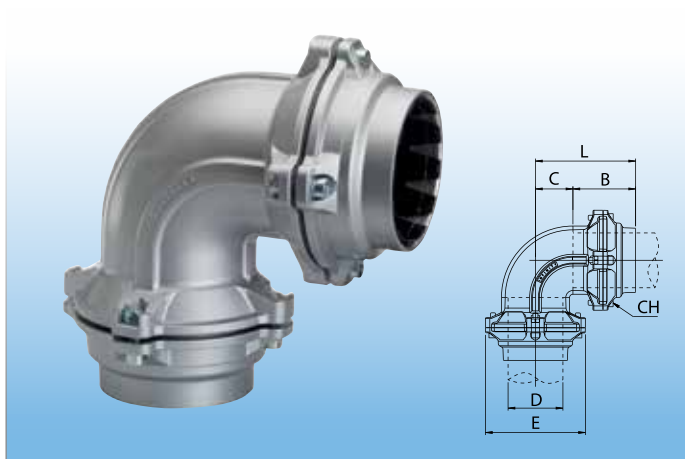


CODE	ALT CODE	DESCRIPTION
INC80	90040 80	Coupling 80mm
INC110	90040 110	Coupling 110mm

TECHNICAL SPECS

D	B	C	E	L	CH1
80	91	3,5	145	186	6
110	125.5	4	200	255	8

→ **80-110mm Elbow**

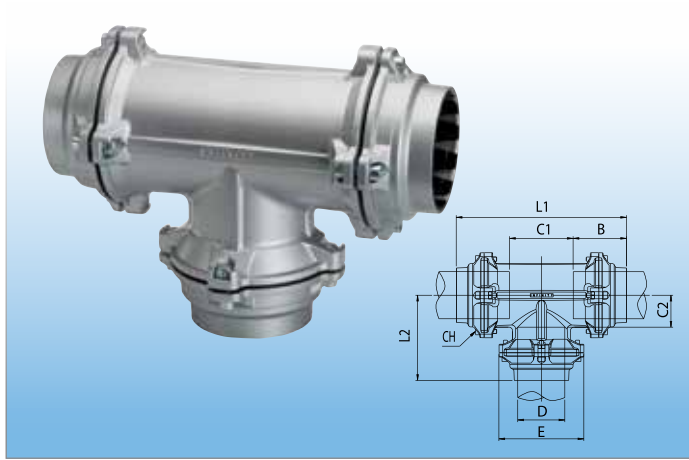


CODE	ALT CODE	DESCRIPTION
INE80	90130 80	Elbow 80mm
INE110	90130 110	Elbow 110mm

TECHNICAL SPECS

D	B	C	E	L	CH
80	91	54,5	145	146	6
110	125.5	75	200	200.5	8

→ **80-110mm Tee**

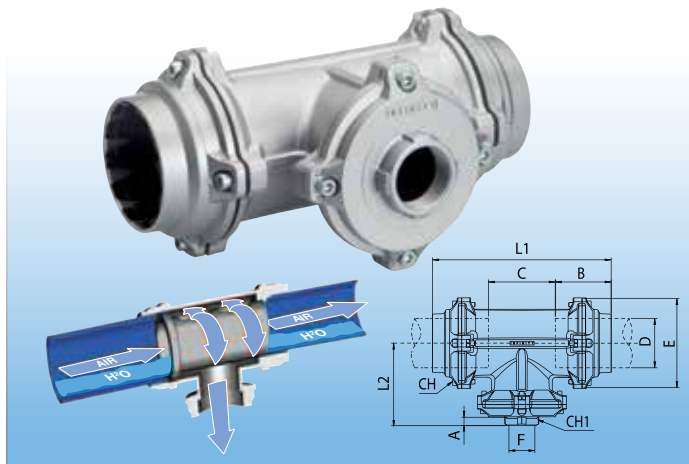


CODE	ALT CODE	DESCRIPTION
INT80	90230 80	Tee 80mm
INT110	90230 110	Tee 110mm

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

→ **80-110mm Female Tee** (Zero Condensate)

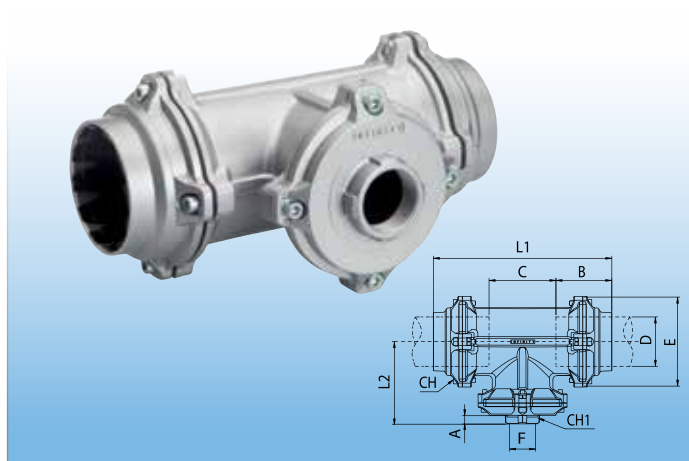


CODE	ALT CODE	DESCRIPTION
INTF80-3/4	90250 80-3/4	Zero Condensate Female Tee 80 X 3/4"
INTF110-3/4	90250 110-3/4	Zero Condensate Female Tee 110 X 3/4"

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

→ **80-110mm Female Tee**

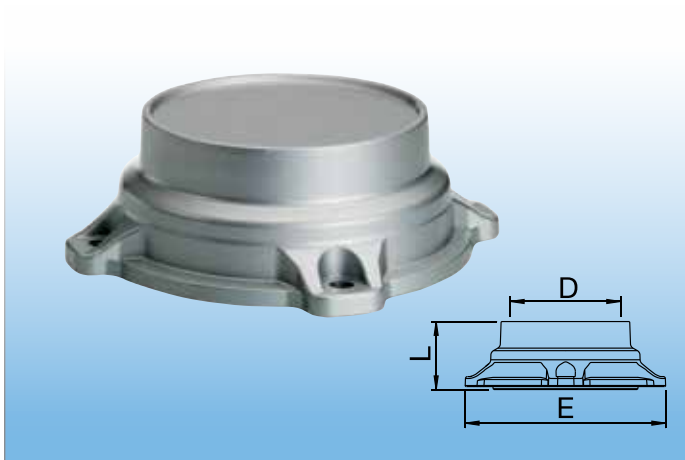


CODE	ALT CODE	DESCRIPTION
INTF80-3/4	90236 80-3/4	Female Tee 80 X 3/4"
INTF80-1	90236 80-1	Female Tee 80 X 1"
INTF80-1 1/2	90236 80-11/2	Female Tee 80 X 1 1/2"
INTF80-2	90236 80-2	Female Tee 80 X 2"
INTF110-3/4	90236 110-3/4	Female Tee 110 X 3/4"
INTF110-1	90236 110-1	Female Tee 110 X 1"
INTF110-11/2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

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 1/2"	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 1/2"	20	125.5	150.5	200	401	180	8	66
110	2"	22	125.5	150.5	200	401	180	8	80

→ **80-110mm Plug**

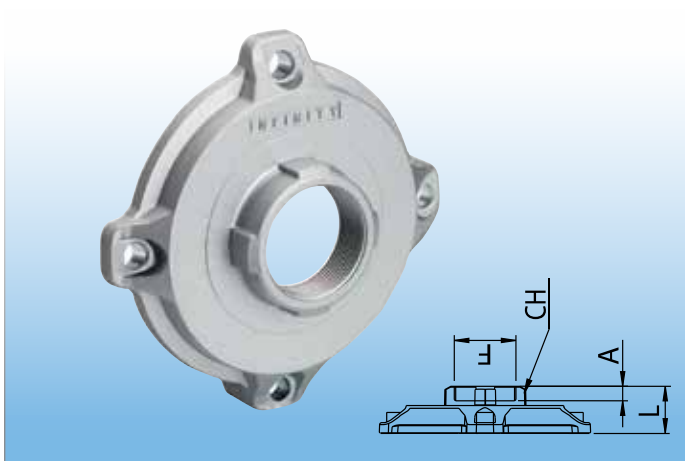


CODE	ALT CODE	DESCRIPTION
INP80	90610 80	Plug 80mm
INP110	90610 110	Plug 110mm

TECHNICAL SPECS

D	L	E
80	49.5	145
110	68	200

→ **80-110mm Female Reducer**



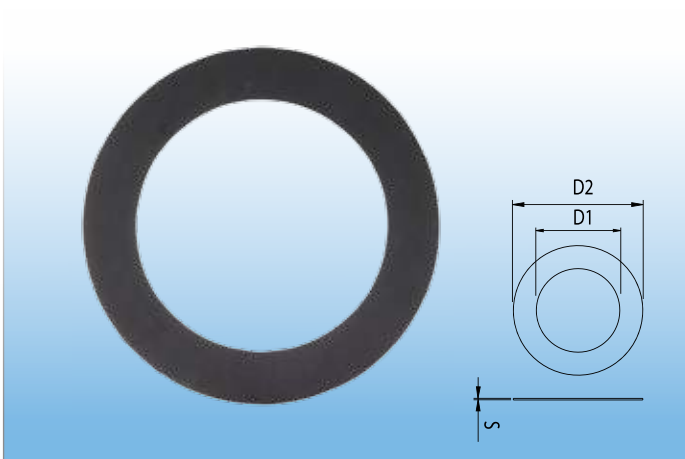
CODE	ALT CODE	DESCRIPTION
INFD80-3/4	90630 80-3/4	Female Reducer 80 X 3/4"
INFD80-1	90630 80-1	Female Reducer 80 X 1"
INFD80-1 1/2	90630 80-1 1/2	Female Reducer 80 X 1 1/2"
INFD80-2	90630 80-2	Female Reducer 80 X 2"
INFD110-3/4	90630 110-3/4	Female Reducer 110 X 3/4"
INFD110-1	90630 110-1	Female Reducer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

TECHNICAL SPECS

D	F	A	L	CH
80*	3/4	14.5	42	42
80*	1"	17	42	49
80*	1 1/2"	20	42	66
80*	2"	22	42	80
110	3/4	14.5	180	42
110	1"	17	180	49
110	1 1/2"	20	180	66
110	2"	22	180	80

*Hook wrench dimensions

→ **80-110mm Flat Gasket**

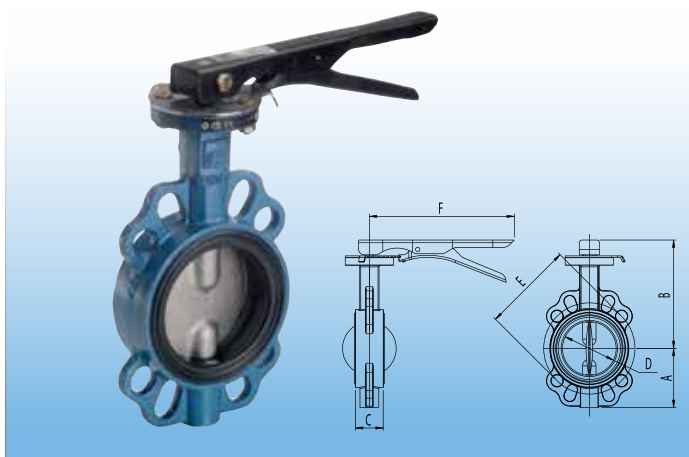


CODE	ALT CODE	DESCRIPTION
INGAS80	90017 80	Flat Gasket 80mm
INGAS110	90017 110	Flat Gasket 110mm

TECHNICAL SPECS

D	D1	D2	S
80	89	131	2
110	105	162	2

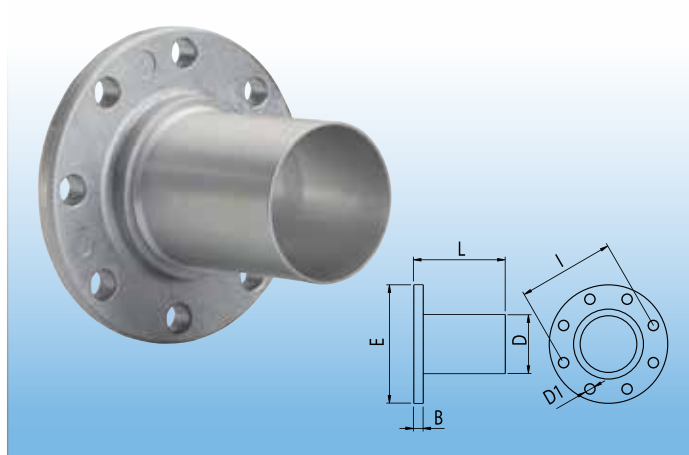
→ 80-110mm Butterfly Valve



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

TECHNICAL SPECS						
D	DN	A	B	C	E	F
80	77	87	216	46	160	210
110	100	106	201	52	180	210

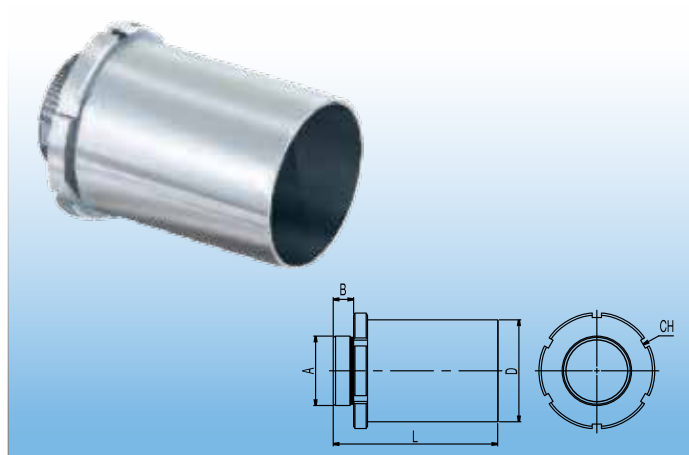
→ 80-110mm Flanged Tube



CODE	ALT CODE	DESCRIPTION
INFT80	90015 80	Flanged Tube 80mm
INFT110	90015 110	Flanged Tube 110mm

TECHNICAL SPECS					
D	B	E	L	D1	I
80	20	200	155	18	160
110	20	120	183	18	180

→ 80-110mm Tube

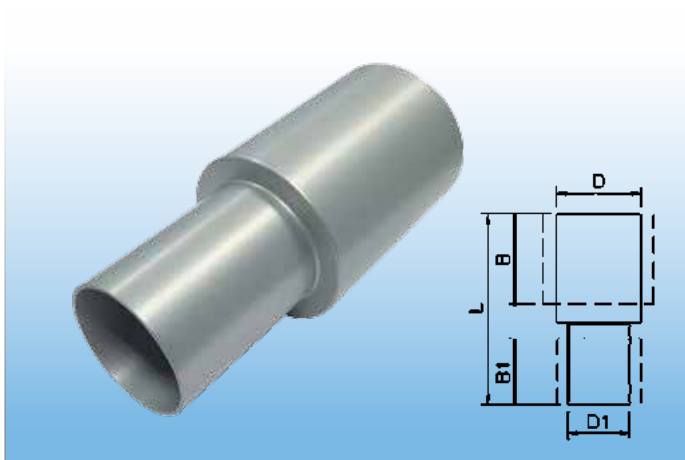


CODE	ALT CODE	DESCRIPTION
INTB80-2 1/2	90020 80-2 1/2	Tube 80mm - 2 1/2"
INTB80-3	90020 80-3	Tube 80mm - 3"
INTB110-2 1/2	90020 110-2 1/2	Tube 110mm - 2 1/2"
INTB110-3	90020 110-3	Tube 100mm - 3"

TECHNICAL SPECS				
D	A	B	L	CH
80	2 1/2"	22	143	*100
80	3"	23	144	*100
110	2 1/2"	22	178	*125
110	3"	23	179	*125

*Hook wrench dimensions

→ 80-110mm Reducing Tube



CODE	ALT CODE	DESCRIPTION
INTR80	90012 80-63	80-63 Reducing Tube
INTR110	90012 110-80	110-80 Reducing Tube

TECHNICAL SPECS

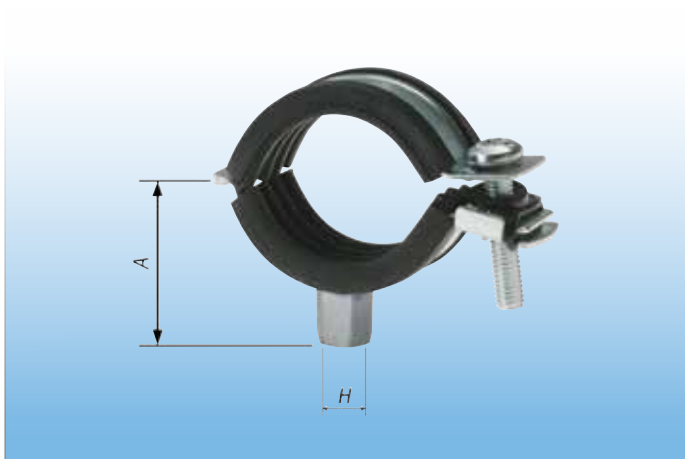
D	D1	B	B1	L
80	63	91	57.5	168
110	80	150.5	91	247

→ 80-110mm Flange Kit



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

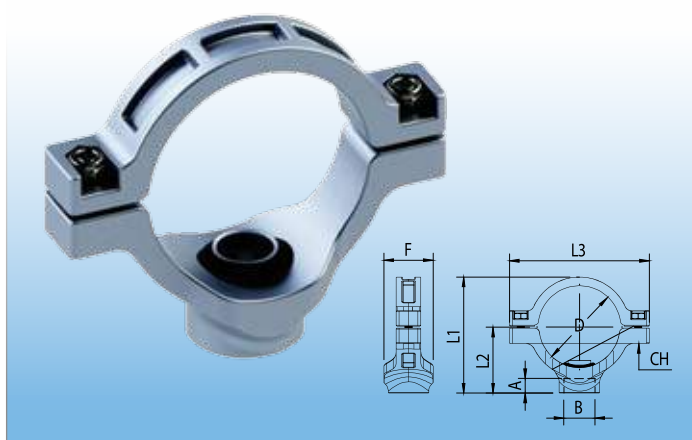
→ 80-110mm Collar



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

H	A
M8/M10	71
M8/M10	81.5

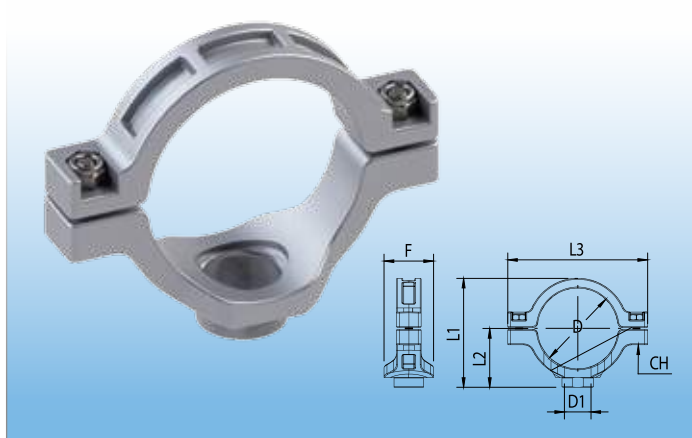
→ 80-110mm Saddle Clamp Connector



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

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

→ 80-110mm Drill Rig



CODE	ALT CODE	DESCRIPTION
INDR80	90249 80	80mm Drilling Rig
INDR110	90249 110	110mm Drilling Rig

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	

→ **M20 / M25**



QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Female tee	INTF20X3/8	INTF20X1/2
1	Recoil hose	PURC1/4X10M	PURC1/4X10M
1	Reducing bush	24 3/8-1/4	24 1/2-1/4
1	Coupling	NSC-20SF	NSC-20SF

→ **N20 / N25**

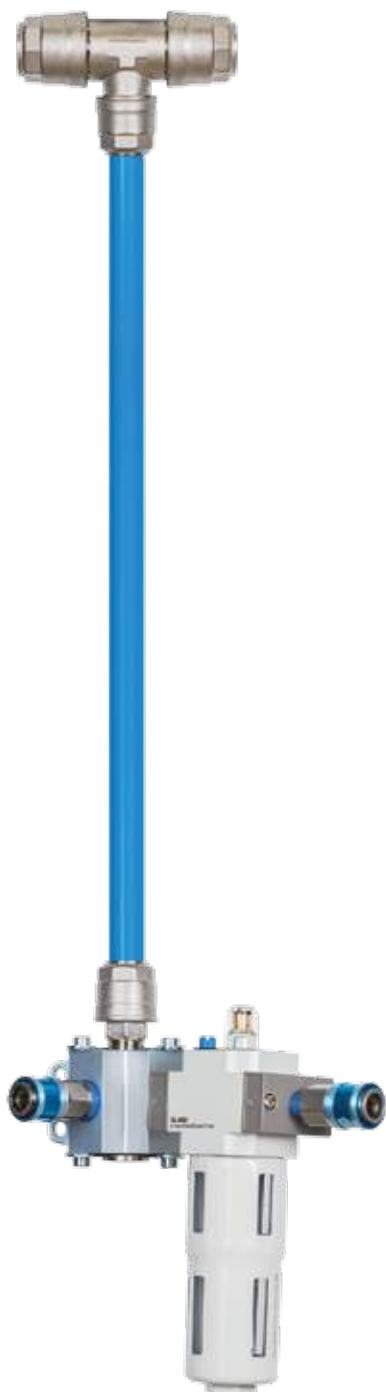


QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing tee	INRT2520	INRT3225
1	Male adapter	INMA2012	INMA2520
1	Ball valve coupling	1/2 BV	3/4 BV
2	Clips	INCL20	INCL25

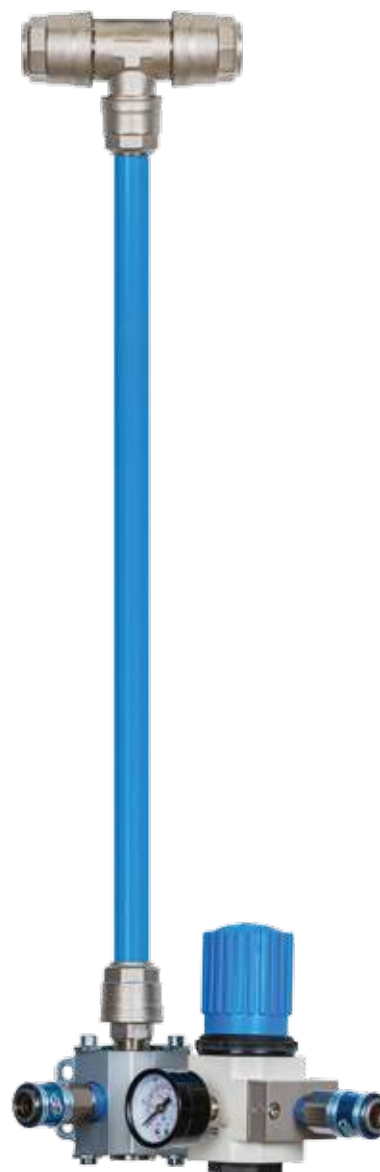
*These pages are used to demonstrate the most popular Infinity outlets. For simplicity, Infinity has standardised the outlets into one simple part number that includes all components. The most common drop legs are 20mm and 25mm as illustrated above. If a larger main line is required then simply substitute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

INFINITY PIPE & FITTINGS DROP LEG PACKAGES

→ A20 / A25



→ B20 / B25



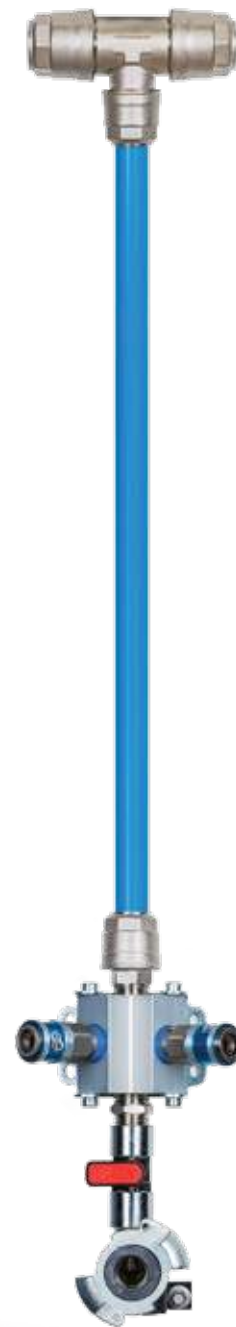
QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing tee	INRT2520	INRT3225
1	Male adapter	INMA2012	INMA2520
1	Manifold	INM1/2-1/2	INM3/4-1/2
1	Coupling	NSC-40SM	NSC-40SM
1	Coupling	NSC-20SM	NSC-20SM
1	Lubricator	IN-L2000-1/4	IN-L2000-1/4
1	Reducing nipple	73 1/2-1/4	73 1/2-1/4
2	Clips	INCL20	INCL25

QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing tee	INRT2520	INRT3225
1	Male adapter	INMA2012	INMA2520
1	Manifold	INM1/2-1/2	INM3/4-1/2
1	Coupling	NSC-40SM	NSC-40SM
1	Coupling	NSC-20SM	NSC-20SM
1	Regulator	IN-R2000-1/4	IN-R2000-1/4
1	Reducing nipple	73 1/2-1/4	73 1/2-1/4
2	Clips	INCL20	INCL25

→ **C20 / C25**



→ **D20 / D25**



QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing tee	INRT2520	INRT3225
1	Female tee	INTF25 3/8	INTF25 1/2
1	Hose reel	HR1/4X15M	HR3/8X10M
1	Bush	24 3/8-1/4	24 1/2-1/4
1	Male adapter	INMA2012	INMA2520
1	Manifold	INM1/2-1/2	INM3/4-1/2
2	Couplings	NSC-40SM	NSC-40SM
2	Clips	INCL20	INCL25

QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing tee	INRT2520	INRT3225
1	Male adapter	INMA2012	INMA2520
1	Manifold	INM1/2-1/2	INM3/4-1/2
2	Couplings	NSC-40SM	NSC-40SM
1	Nipple	27 1/2	27 3/4
1	Ball valve	1/2 B/V	3/4 B/V
1	M&F elbow	25 1/2	25 3/4
1	Minsup coupling	AM012	AM020
2	Clips	INCL20	INCL25

INFINITY PIPE & FITTINGS DROP LEG PACKAGES

→ E20 / E25



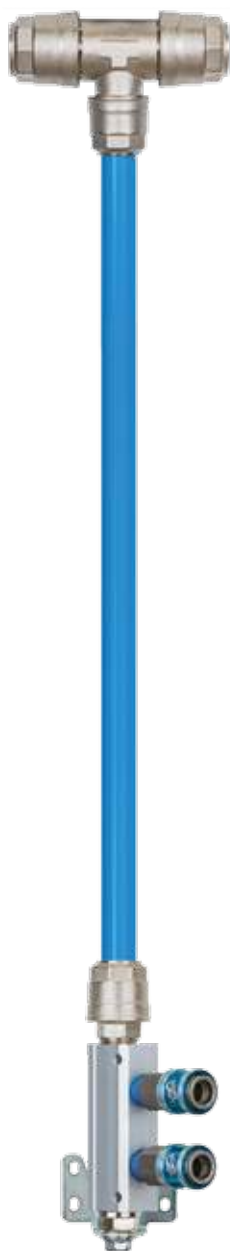
QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6m	IN20x6M	IN25x6M
1	Reducing tee	INRT2520	INRT3225
1	Double outlet	INM20-1/2	INM25-1/2
2	Couplings	NSC-40SM	NSC-40SM
2	Clips	INCL20	INCL25

→ F20 / F25

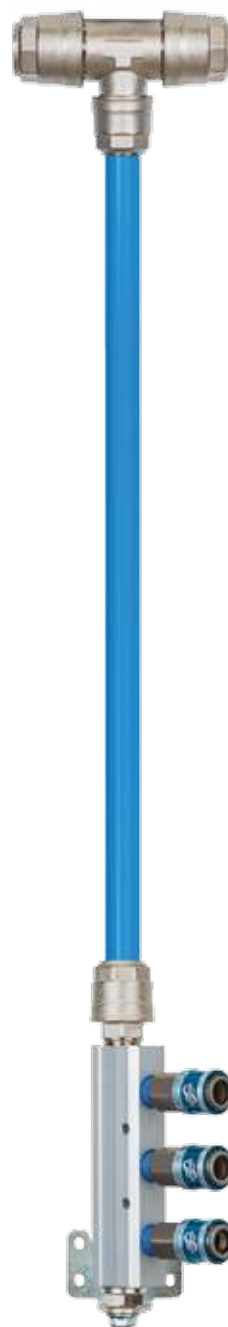


QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6M	IN20x6M	IN25x6M
1	Reducing tee	INRT2520	INRT3225
1	Lugged elbow	INLE2012	INLE2520
1	Coupling	NSC-40SM	NSC-40SM
2	Clips	INCL20	INCL25

→ **G20 / G25**



→ **H20 / H25**



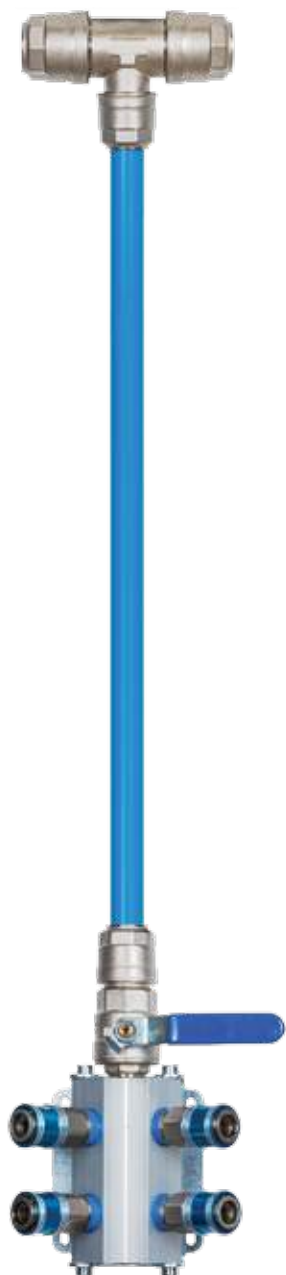
QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6M	IN20X6M	IN25X6M
1	Reducing tee	INRT2520	INRT3225
1	Male adapter	INMA2012	INMA3225
1	Manifold	INM2	INM2
1	Nipple	N/A	73 3/4-1/2
1	Socket	N/A	26 1/2
2	Couplings	NSC-30SM	NSC-30SM
2	Clips	INCL20	INCL25

QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing tee	INRT2520	INRT3225
1	Adapter	INMA2012	INFA2520
1	Manifold	INM2	INM3
1	Nipple	N/A	73 1/2-3/4
1	Socket	N/A	26 1/2
3	Couplings	NSC-30SM	NSC-30SM
2	Clips	INCL20	INCL25

INFINITY PIPE & FITTINGS

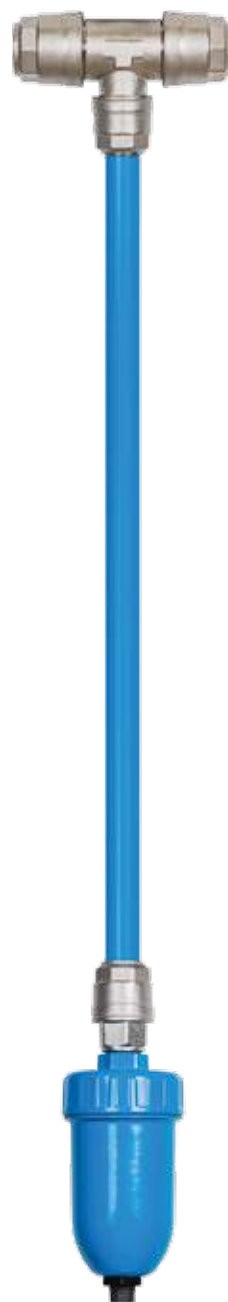
DROP LEG PACKAGES

→ I20 / I25



QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing tee	INRT2520	INRT3225
1	In line ball valve	INBV20-1/2	INBV25/-3/4
1	4 way manifold	INM4-1/2	INM4-3/4
2	Couplings	NSC-40SM	NSC-40SM
2	Clips	INCL20	INCL25

→ J20 / J25



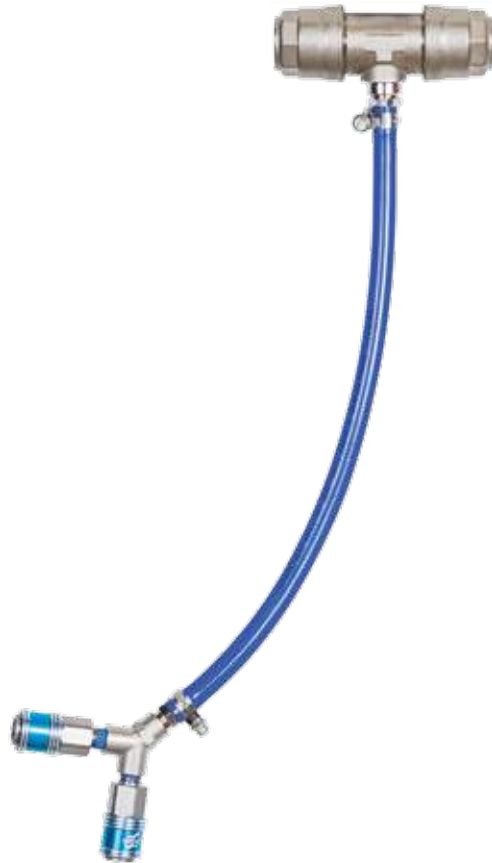
QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6m	IN20X6M	IN25X6M
1	Reducing tee	INRT2520	INRT3225
1	Female adapter	INFA2012	INFA2520
1	Auto drain	AD299-02	AD299-02
1	Reducing nipple	N/A	24 3/4-1/2
2	Clips	INCL20	INCL25

→ K20 / K25



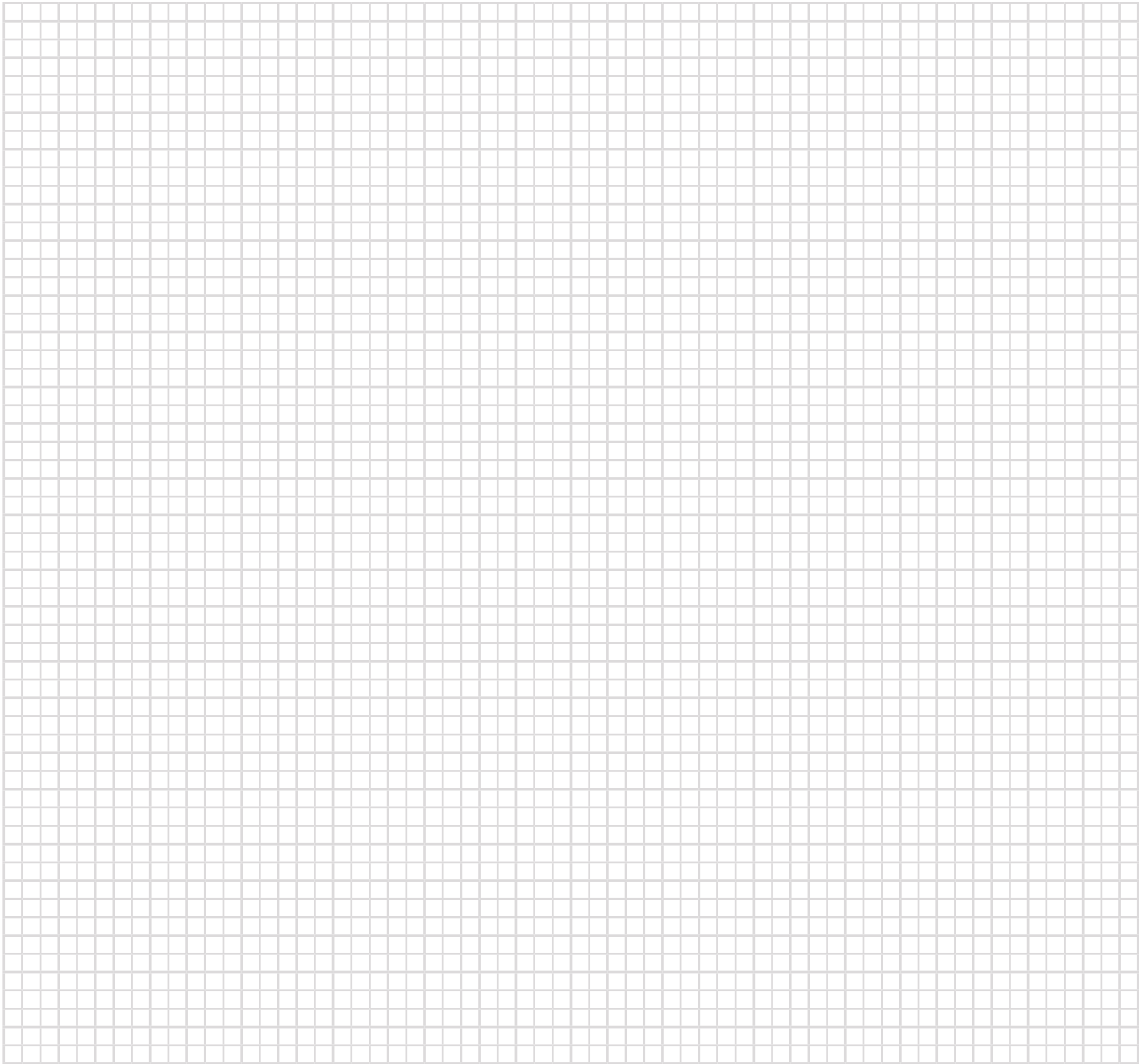
QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Pipe 6M	IN20X6M	IN25X6M
1	Reducing tee	INRT2520	INRT3225
1	Male adapter	INMA2012	INMA2520
1	Shut off valve	HVHS4000-04	HSHV5000-06
2	Couplings	NSC-40SM	NSC-40SM
1	Nipple	27 1/2	27 3/4
1	Manifold	INM1/2-1/2	INM3/4-1/2
2	Clips	INCL20	INCL25

→ L20 / L25



QTY	DESCRIPTION	CODE(20)	CODE(25)
1	Air hose	PUB3/8	PUB1/2
1	Female tee	INTF25 3/8	INTF32 1/2
1	Hose adapter	P3 3/8X1/4	P3 1/2X1/2
1	Hose adapter	P3 3/8X3/8	P3 1/2X1/2
2	Hose clips	M00	00
1	Y adapter	75 1/4	75 1/2
2	Couplings	NSC-20SM	NSC-40SM

|| Infinity Piping Worksheet

A large rectangular area filled with a light gray grid, intended for drawing piping diagrams. The grid consists of small squares, approximately 30 squares wide and 60 squares high.

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

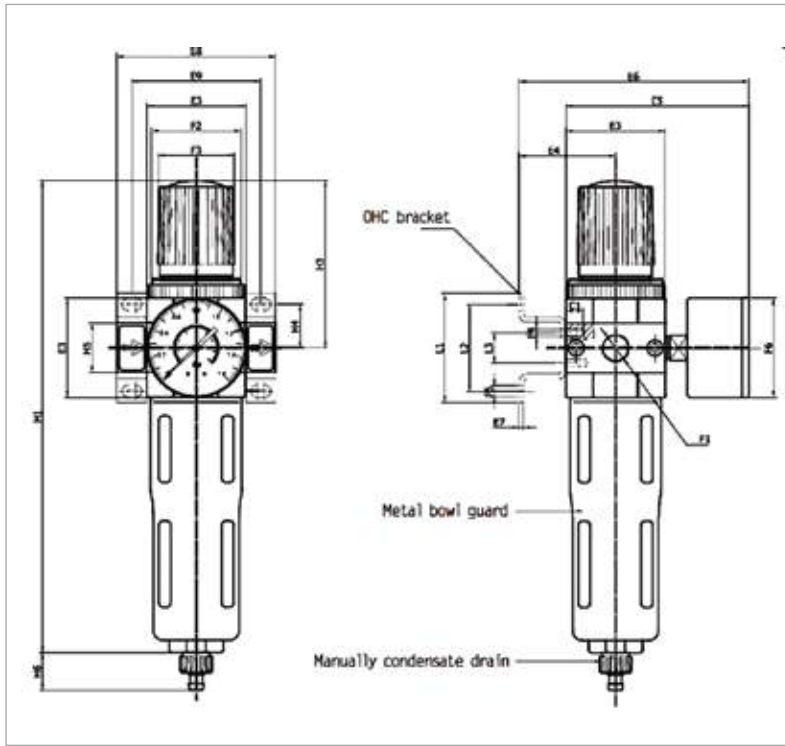
- 🔴 Pipe mounting or foot mounting
- 🔴 Complete with gauge and bracket
- 🔴 Grade of filtration: 40µm



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

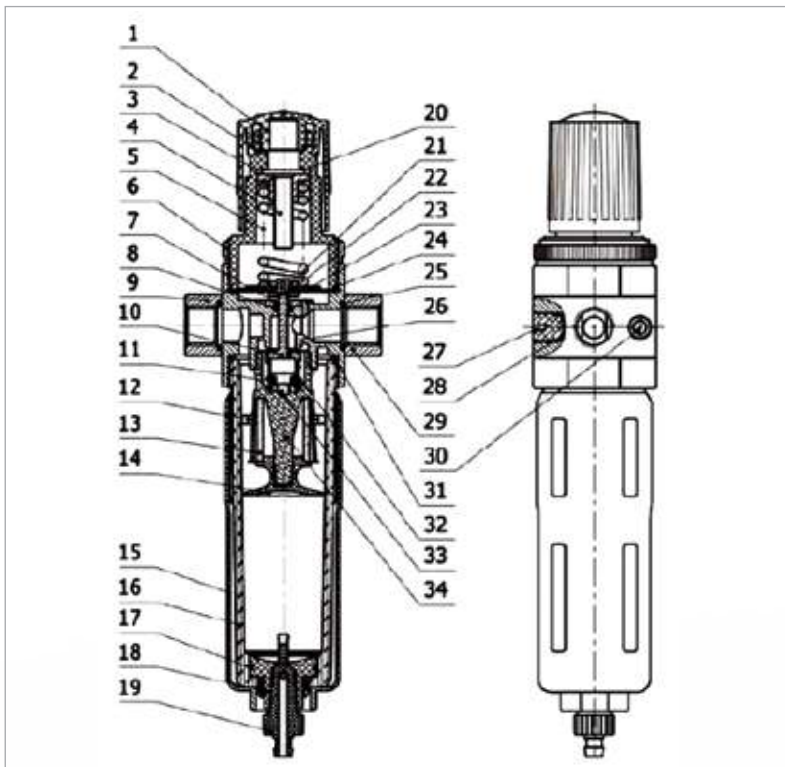


SIZE	E3	E4	E5	E6	E8	E9	F1
MINI	40	39	76	95	64	52	1/4"
MIDI	55	47	93	112	85	70	1/4", 1/2"
MAXI	66	53	104	124	96.1	80.9	3/4", 1"

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

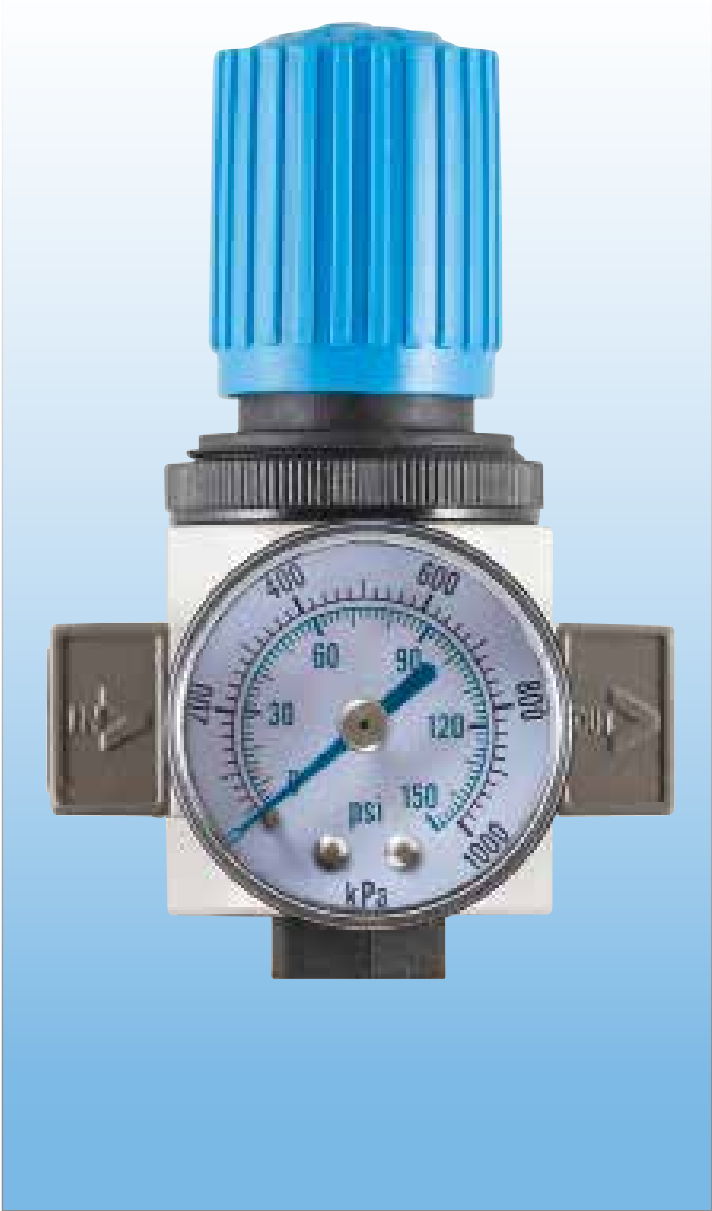
In all pneumatic systems, the pressure of the air can fluctuate. This is normally caused by air being exhausted from the compressor tank into the system, or when the tank is replenished by the compressor.

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

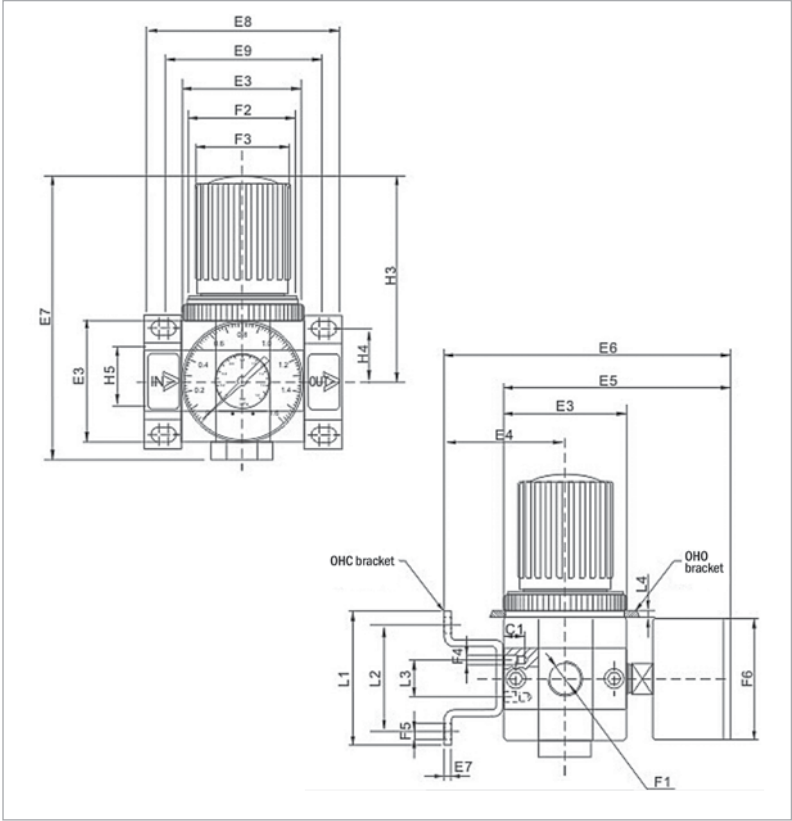
- 🔴 Pipe mounting or foot mounting
- 🔴 Complete with gauge and bracket



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		

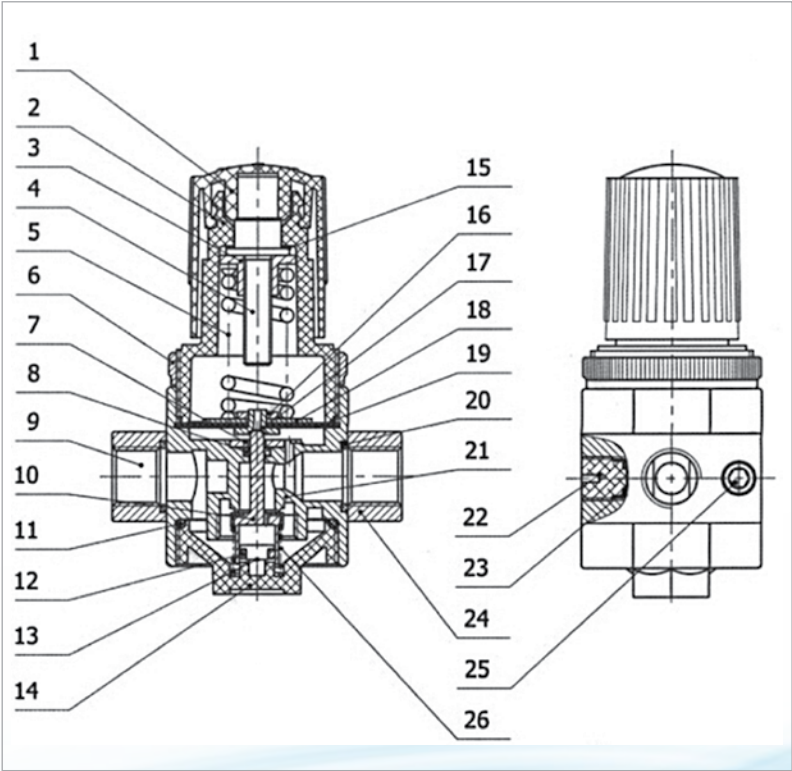
Dimensional Drawings



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

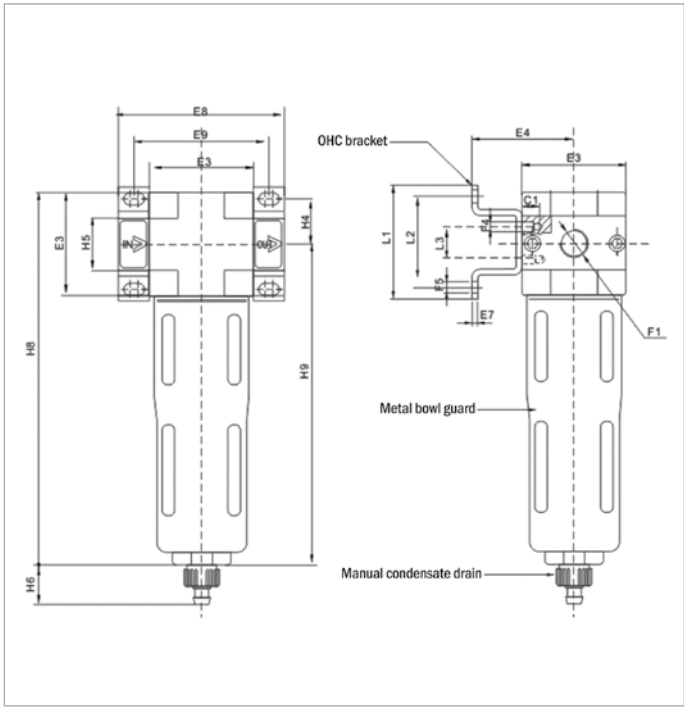
- 🔴 Sintered filter with water separator
- 🔴 Pipe mounting or foot mounting
- 🔴 Comes with bracket
- 🔴 Grade of filtration: 40µm



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		80ml	
IN-F5000-3/4	MAXI	OF Filter Maxi 3/4"	5000	3/4			
IN-F5000-1		OF Filter Maxi 1"	5300	1			

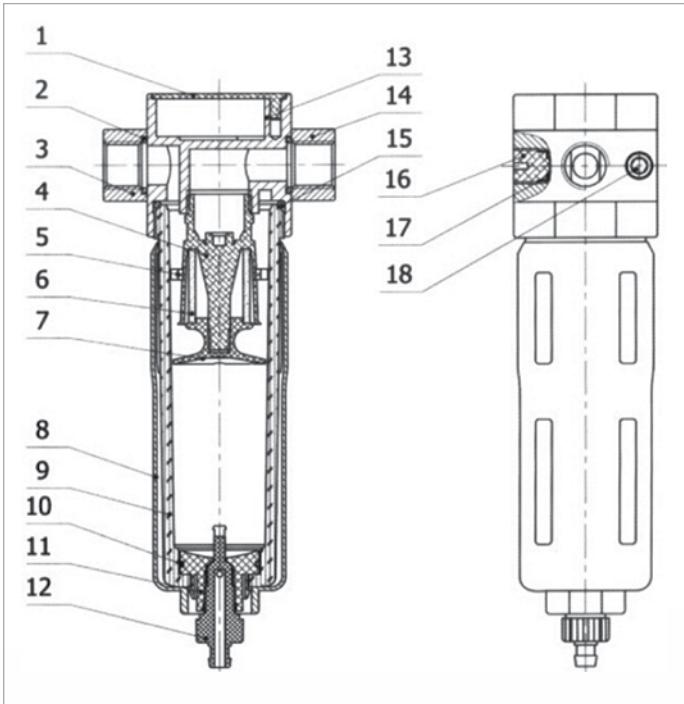
Dimensional Drawings



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

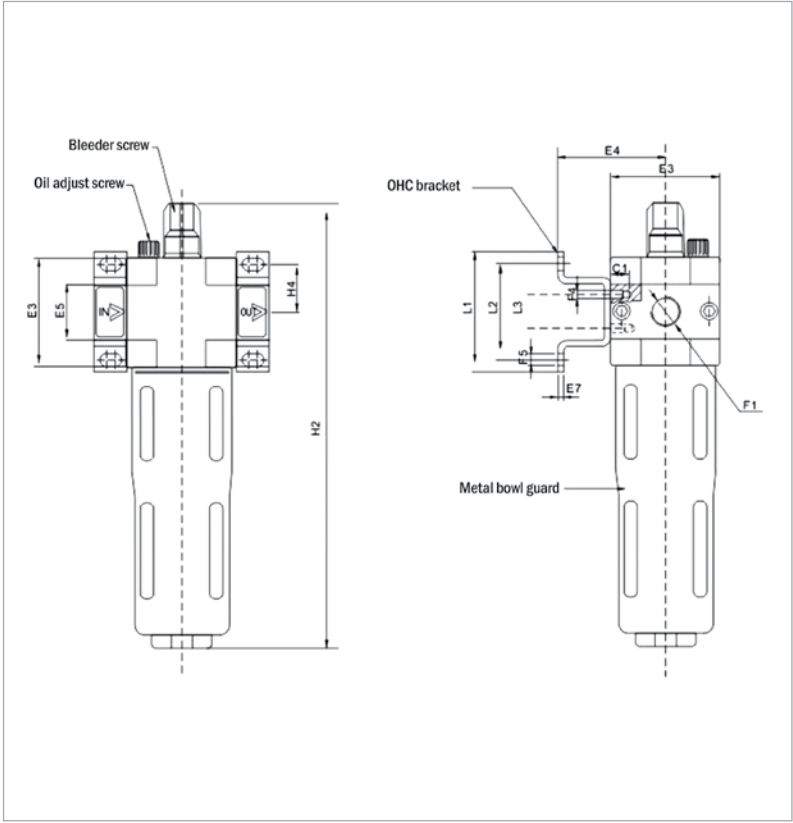
-  **Pipe mounting or foot mounting**
-  **Complete with bracket**



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		80ml	
IN-L5000-3/4	MAXI	OR Lubricator Maxi 3/4"	8400	3/4			
IN-L5000-1		OR Lubricator Maxi 1"	9000	1			

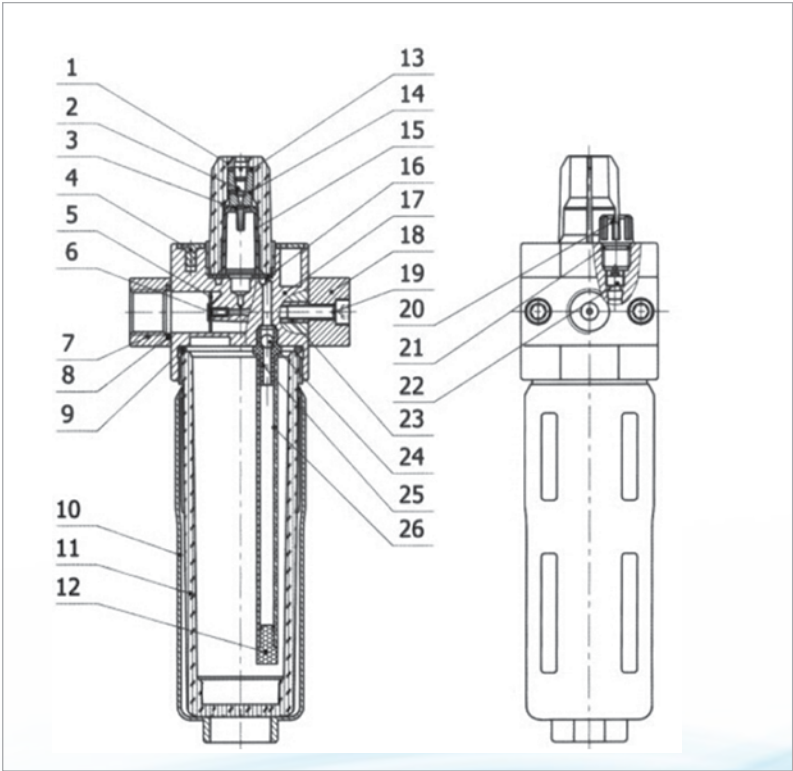
Dimensional Drawings



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

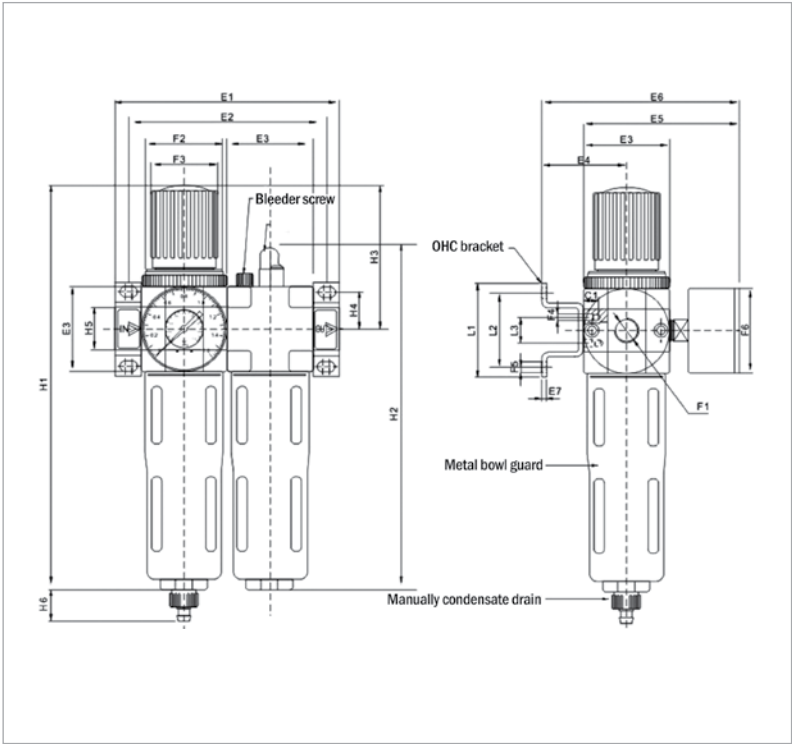
- 🎯 **Pipe mounting or foot mounting**
- 🎯 **Complete with gauge and bracket**
- 🎯 **Grade of filtration: 40µm**



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

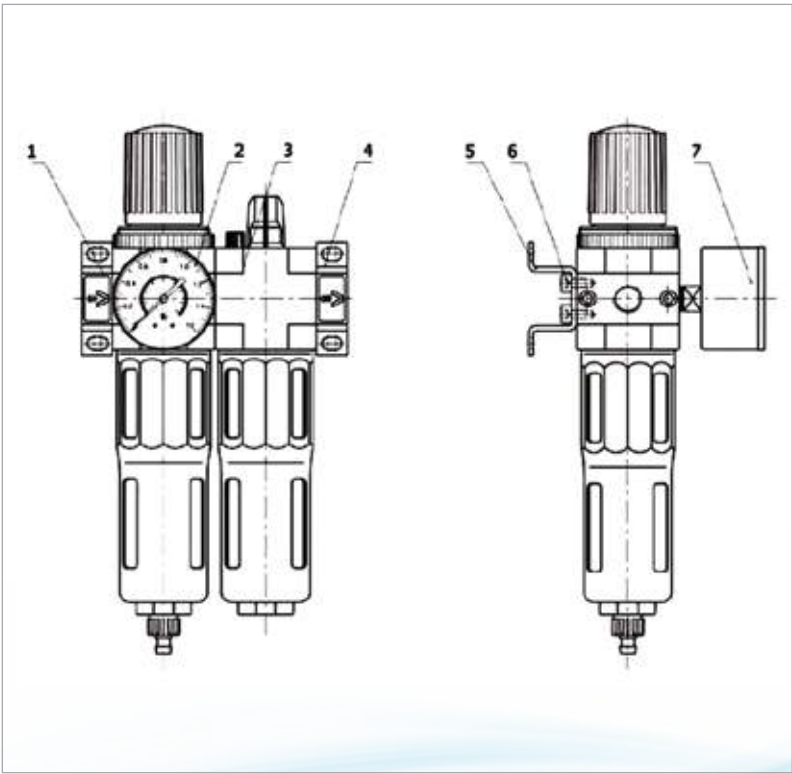


SIZE	E1	E2	E3	E4	E5	E6	E7
MINI	104	92	40	39	76	95	2

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	-

AW Filter Regulator

The series AW filter regulator minimises space, piping and cost by integrating the two units into one. A standard feature of the series is a relieving regulator, which can be locked quickly by pushing down on the adjustment knob. Options available include gauges, auto-drain, metal bowl and covers, and different set pressures.

The AW filter regulator's modular design allows connection with similar sized Infinity air preparation equipment. The series is available in a number of size options.

Features

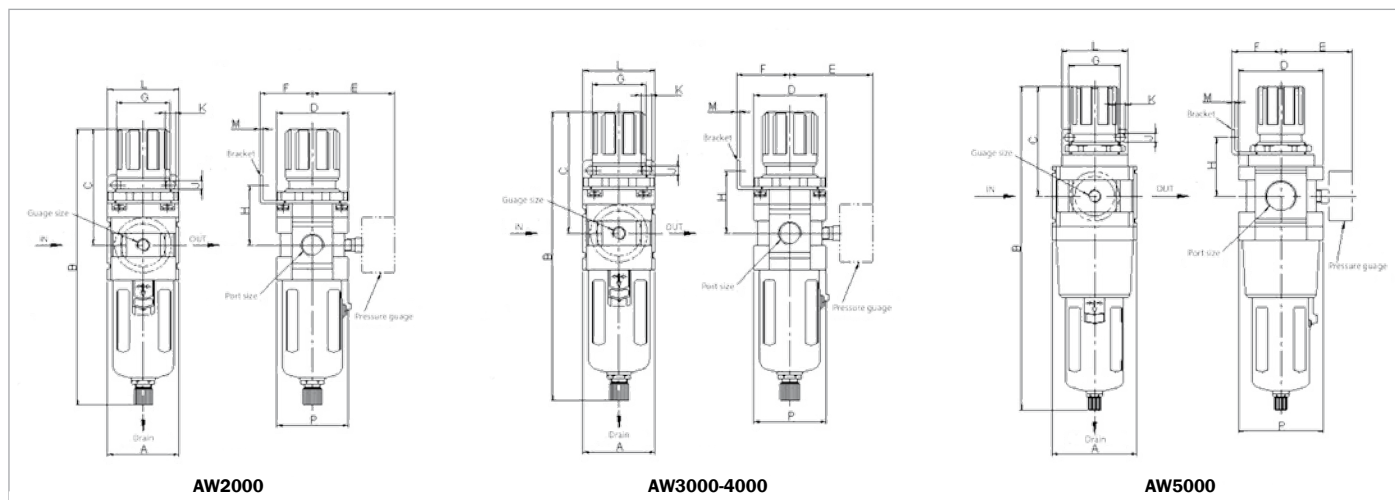
-  **Complete with bracket and gauge**
-  **Maximum pressure: 145 psi**
-  **Available with auto drain**



Specs

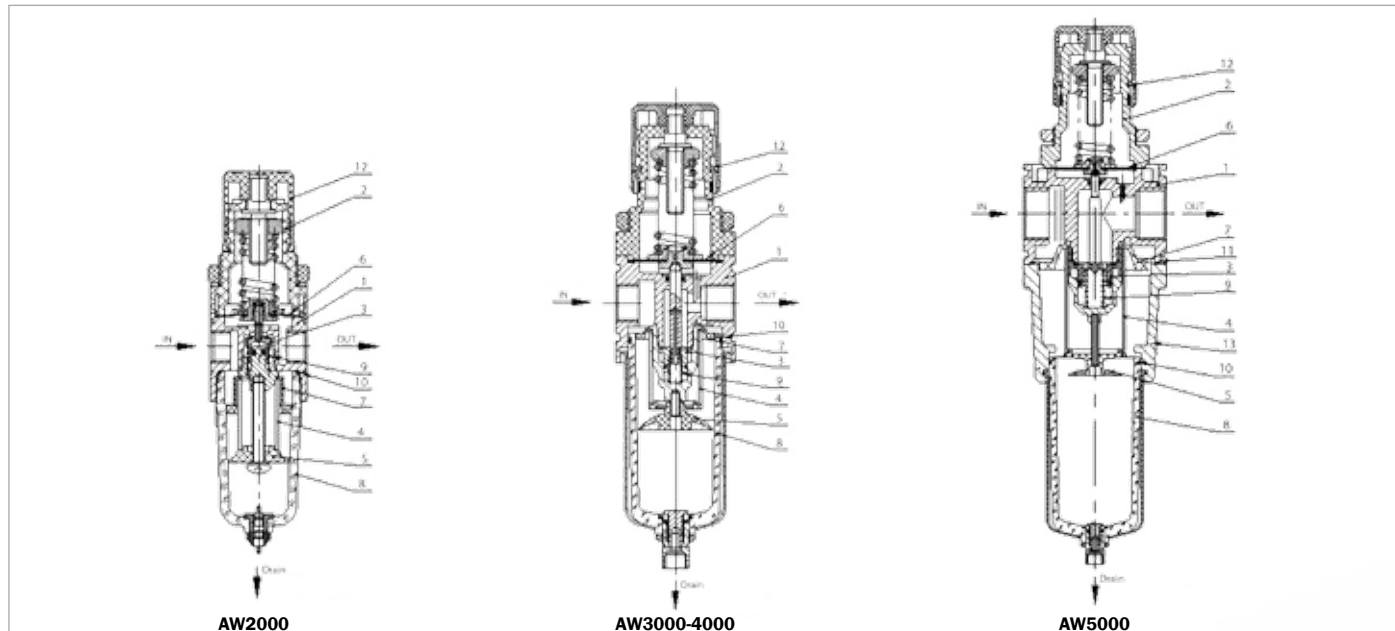
CODE	DESCRIPTION	RATED FLOW (L/MIN)	PORT SIZE	MAX PRESSURE PSI	MICRONS	MAX TEMP
AW2000-02	Filter Reg 1/4"	550	1/4	145	25	5 - 60°C
AW3000-02	Filter Reg 1/4"	2000	1/4	145	25	5 - 60°C
AW3000-03	Filter Reg 3/8"	2000	3/8	145	25	5 - 60°C
AW4000-04	Filter Reg 1/2"	4000	1/2	145	25	5 - 60°C
AW5000-06	Filter Reg 3/4"	5500	3/4	145	25	5 - 60°C
AW5000-10	Filter Reg 1"	8000	1	145	25	5 - 60°C
AW3000-02D	Filter Reg Auto Drain 1/4"	2000	1/4	145	25	5 - 60°C
AW4000-04D	Filter Reg Auto Drain 1/2"	4000	1/2	145	25	5 - 60°C
AW5000-06D	Filter Reg Auto Drain 3/4"	5500	3/4	145	25	5 - 60°C

Dimensional Drawings



CODE	A	B	C	D	E	F	G	H	J	K	L	M	N	P
AW2000	40	164.5	78	40	56.8	30	34	43.5	5.4	15.4	55	2.3	33.5	40
AW3000	53	211	92.5	53	60.8	39	40	46	6.5	8	53	2.3	42.5	56
AW4000	70	262	112	70	70.5	49.2	54	53.5	8.5	10.5	70	2.3	52.5	73
AW5000	90	338	116	90	75.5	49.2	54	62	8.5	10.5	70	2.3	52.5	90

Structural Diagram - Main Parts



NO.	DENOMINATION	MATERIAL
1	Valve body	Aluminium die casting
2	Valve cover	2000-3000 - Reinforced nylon; 4000-5000 - Aluminium die casting
3	Valve core assembly	Brass, rubber
4	Filter element	Brass
5	Drain board	ABS
6	Film	Rubber
7	Whirlwind blade	ABS
8	Water storage cup	Polycarbonate (Cold-rolled steel)
9	Spring	Stainless steel
10	O-ring	Rubber
11	O-ring	Rubber
12	Hand wheel	Reinforced nylon
13	Middle Part	Aluminium die casting

AR Regulator

The series AR modular style regulator is a cost effective solution to complement your filtration system, ensuring steady pressure operation.

It offers various pressure range settings to accommodate most applications, with a locking adjustment knob to prevent accidental setting changes.

The AR regulator's modular design allows connection with other Infinity air preparation equipment, and is available in a number of size options.

Features

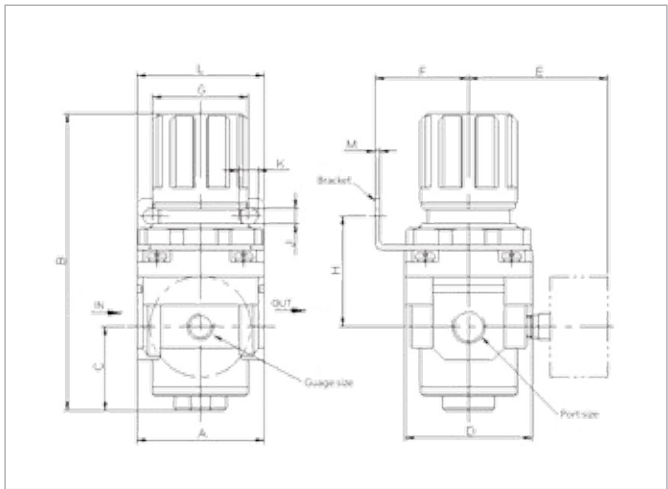
- Complete with bracket and gauge
- Maximum pressure: 123 psi



Specs

CODE	DESCRIPTION	RATED FLOW (L/MIN)	PORT SIZE	MAX PRESSURE PSI	MAX TEMP
AR2000-02	Regulator with Gauge 1/4"	550	1/4	123	5 - 60 °C
AR3000-02	Regulator with Gauge 1/4"	2500	1/4	123	5 - 60 °C
AR3000-03	Regulator with Gauge 3/8"	2500	3/8	123	5 - 60 °C
AR4000-04	Regulator with Gauge 1/2"	6000	1/2	123	5 - 60 °C
AR5000-06	Regulator with Gauge 3/4"	8000	3/4	123	5 - 60 °C

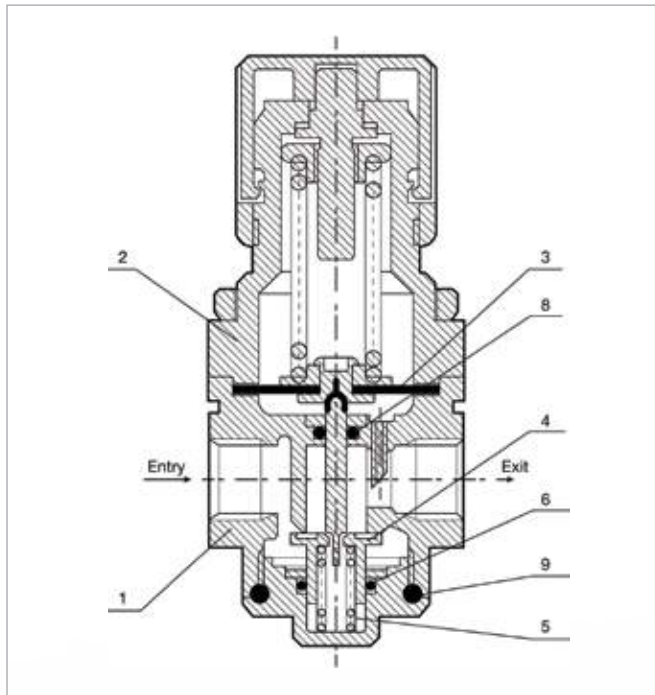
Dimensional Drawings



CODE	A	B	C	D	E	F	G
AR2000	40	95	17	40	56.8	30	34
AR3000	53	127.5	35	53	60.8	39	40
AR4000	70	149.5	37.5	70	65.5	49.2	54
AR5000	90	168	48	90	75.5	49.2	54

CODE	H	J	K	L	M	N
AR2000	44	5.4	15.4	55	2.3	33.5
AR3000	46	6.5	8	53	2.3	42.5
AR4000	54	8.5	10.5	70	2.3	52.5
AR5000	62	8.5	10.5	70	2.3	52.5

Structural Diagram - Main Parts



NO.	DENOMINATION
1	Valve body
2	Valve cover
3	Film
4	Valve cover
5	Spring
6	O-ring
7	Hand wheel
8	O-ring
9	O-ring
NO.	MATERIAL
1	Aluminium die casting
2	2000-3000 - Reinforced nylon; 4000-5000 - Aluminium die casting
3	Rubber
4	Brass, rubber
5	Stainless steel
6	Rubber
7	Reinforced nylon
8	Rubber
9	Rubber

AF Filter



The series AF modular style filter is a cost effective solution to your filtration needs by effectively removing dirt and moisture from the air source, making it clean and dry.

Featuring easy installation and maintenance, its modular design allows connection with other Infinity air preparation equipment.

The AF filters are widely used in CNC machine tools, chemical plants, textiles, packaging, medical and other machinery automation industries.

The series is available in a number of size options, with a range of accessories.

Features

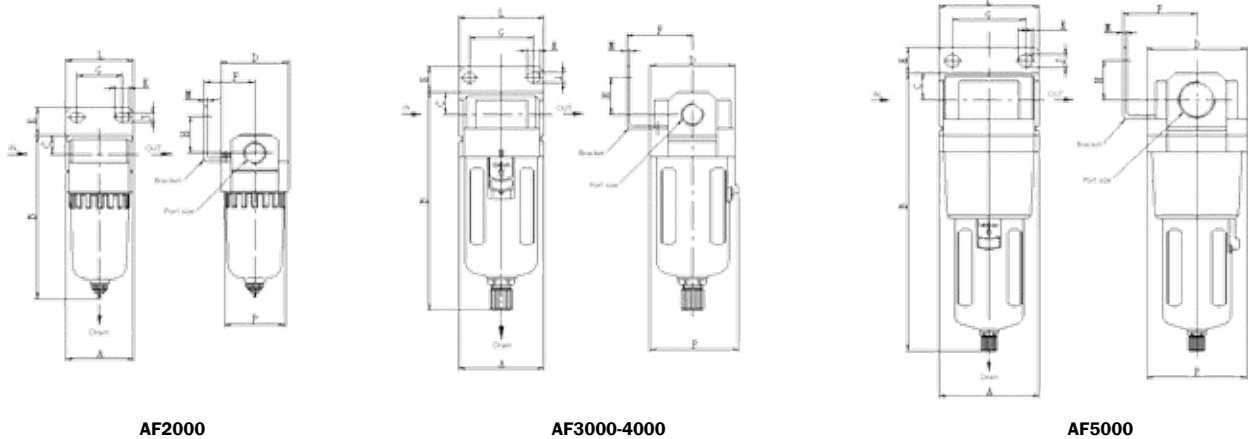
-  **Complete with bracket**
-  **Maximum pressure: 145 psi**



Specs

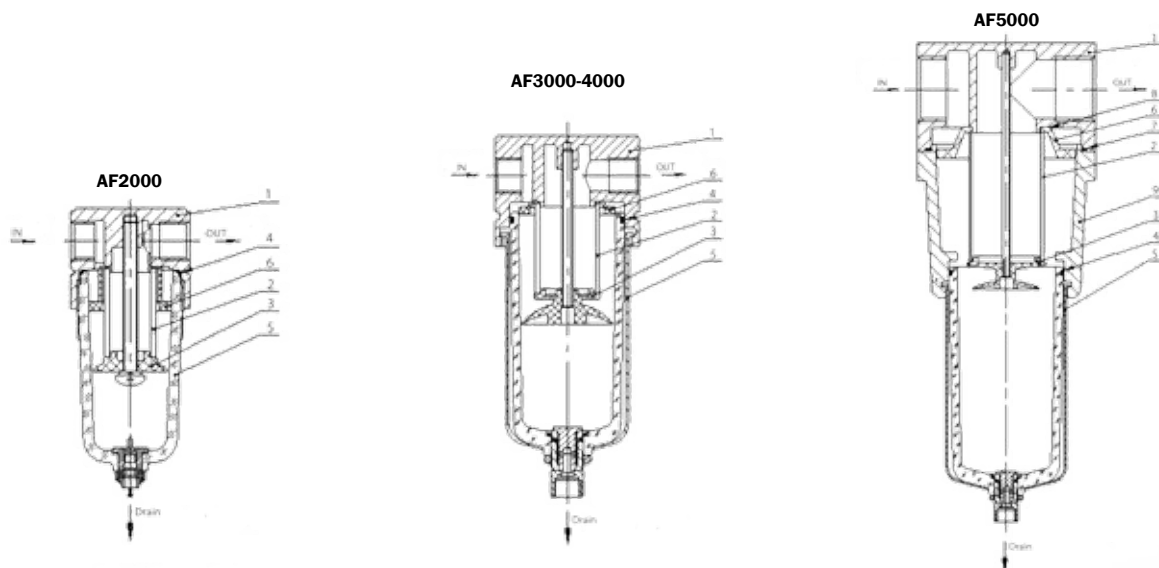
CODE	DESCRIPTION	RATED FLOW (L/MIN)	PORT SIZE	MAX PRESSURE PSI	MICRONS	MAX TEMP
AF2000-02	Filter (MCUP) 1/4"	1500	1/4	145	25	5 - 60°C
AF3000-02	Filter with Bracket 1/4"	1500	1/4	145	25	5 - 60°C
AF3000-03	Filter with Bracket 3/8"	1500	3/8	145	25	5 - 60°C
AF4000-04	Filter with Bracket 1/2"	4000	1/2	145	25	5 - 60°C
AF5000-06	Filter with Bracket 3/4"	7000	3/4	145	25	5 - 60°C

Dimensional Drawings



CODE	A	B	C	D	E	F	G	H	J	K	L	M	P
AF2000	40	97.5	11	40	17	30	27	22	5.4	8.4	40	2.3	40
AF3000	53	132.5	14	53	16	41	40	23	6.5	8	53	2.3	56
AF4000	70	168.5	18	70	17	50	54	26	8.5	10.5	70	2.3	73
AF5000	90	247.5	24	90	23	66.5	66	35	11	13	90	3.2	90

Structural Diagram - Main Parts



NO.	DENOMINATION	MATERIAL
1	Valve body	Aluminium die casting
2	Filter element	Brass
3	Drain Board	ABS
4	O-ring	Rubber
5	Water storage cup	Polycarbonate (cold rolled sheet)
6	Whirlwind blade	ABS
7	O-ring	Rubber
8	Sealing washer	Rubber
9	Middle part	Aluminium die casting

AL Lubricator

The series AL modular style lubricator is a cost effective, high quality solution to complement your filtration system.

It provides accurate lubrication of downstream equipment, with an adjustable oil drop rate depending on requirement, and features improved visibility for lubricant drip.

The AL lubricator's modular design allows connection with other Infinity air preparation equipment, and is available in a number of size options.

Features

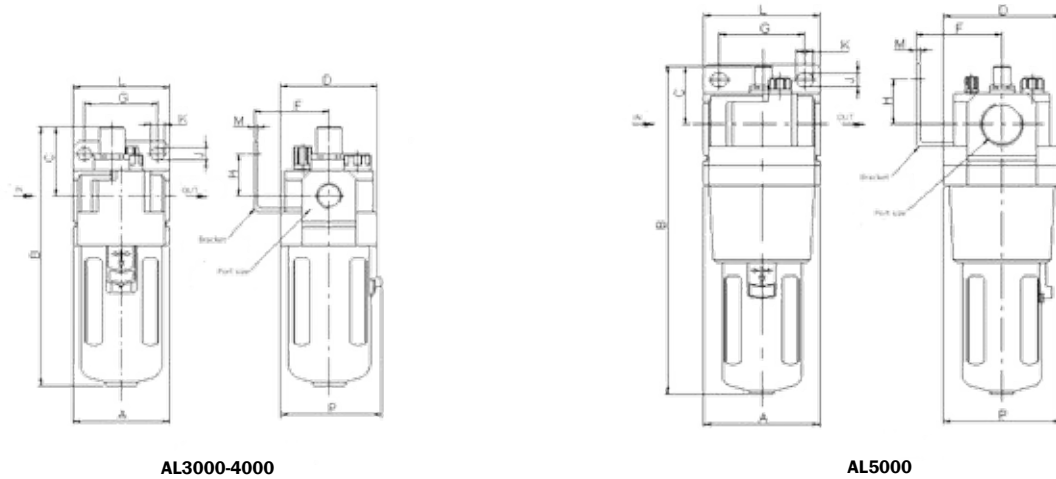
- Complete with bracket
- Maximum pressure: 145 psi



Specs

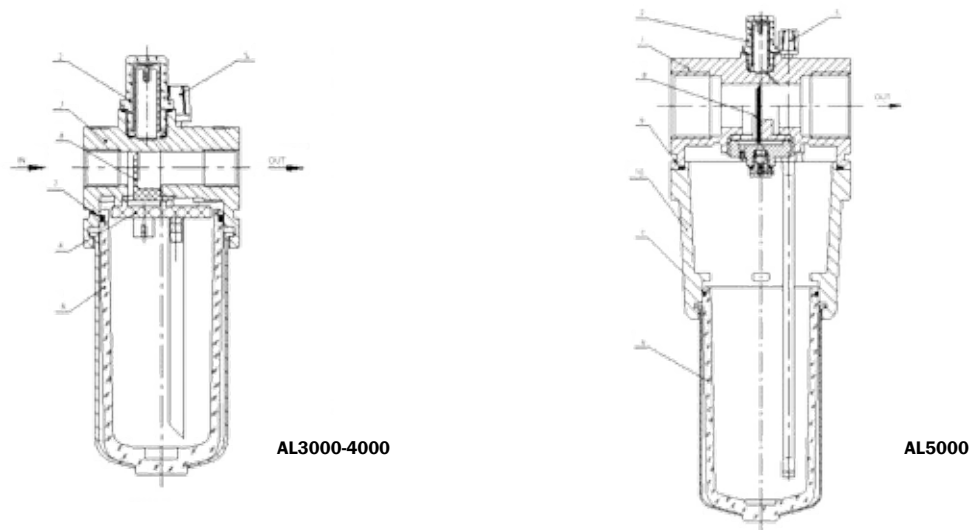
CODE	DESCRIPTION	RATED FLOW (L/MIN)	PORT SIZE	MAX PRESSURE PSI	MIN OIL FLOW (L/MIN)	MAX TEMP
AL3000-02	Lubricator with Bracket 1/4"	1700	1/4	145	30	5 - 60°C
AL4000-04	Lubricator with Bracket 1/2"	5000	1/2	145	50	5 - 60°C
AL5000-06	Lubricator with Bracket 3/4"	7000	3/4	145	190	5 - 60°C

Dimensional Drawings



CODE	A	B	C	D	F	G	H	J	K	L	M	P
AL3000	53	142	38	53	41	40	23	6.5	8	53	2.3	56
AL4000	70	177	41	70	50	54	26	8.5	10.5	70	2.3	73
AL5000	90	254	45	90	66.5	66	35	11	13	90	3.2	90

Structural Diagram - Main Parts



NO.	DENOMINATION	MATERIAL
1	Valve body	Aluminium die casting
2	Oil window	Polycarbonate
3	Oil feed plug	ABS
4	Guide retainer	ABS
5	Oil adjusting handle	ABS
6	Oil cup	Polycarbonate (cold rolled sheet)
7	O-Ring	Rubber
8	Retainer	Polyurethane
9	O-ring	Rubber
10	Middle Part	Aluminium die casting

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"

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.

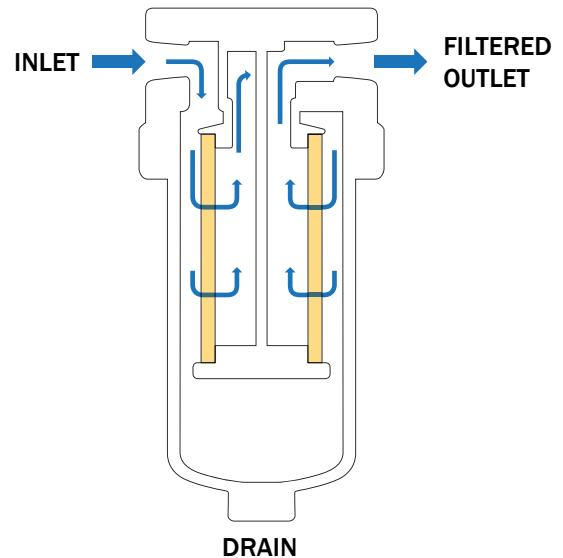
Particles are removed from the air using a two port filter housing and pre-filter element, specifically designed for this purpose. The ultra fine fibres of the pre-filter element capture microscopic particles up to 50 times smaller than the eye can see through a combination of diffusion, interception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

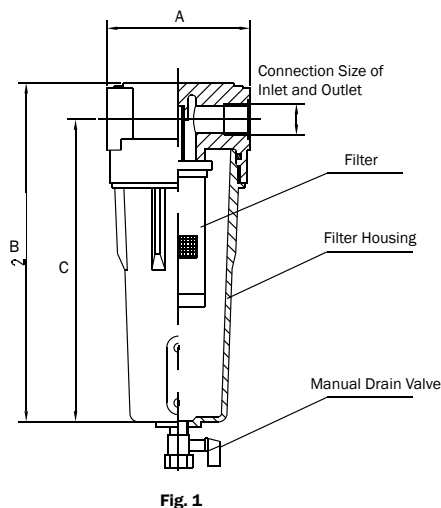


Fig. 1

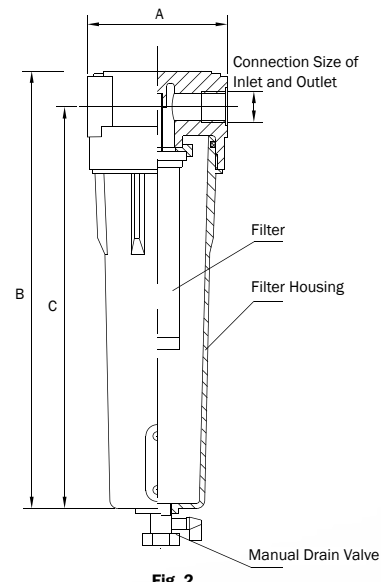


Fig. 2

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.

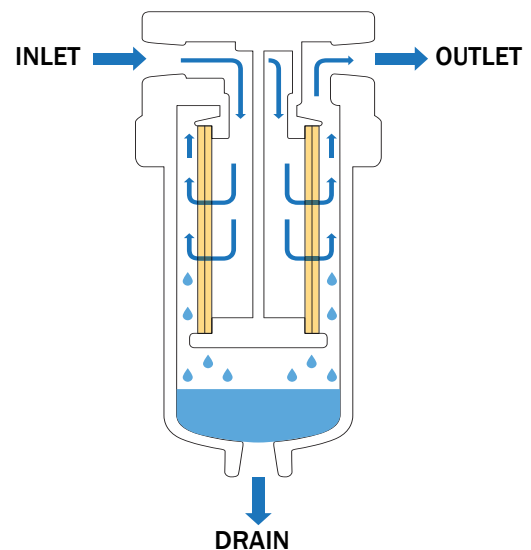
The separation of aerosol and solid contaminants from air is primarily dictated by gravity. Larger contaminants settle out of the air stream fairly quickly, however extremely small aerosol particles remain suspended, particularly in flowing air. The coalescing filter combines these aerosols into even 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

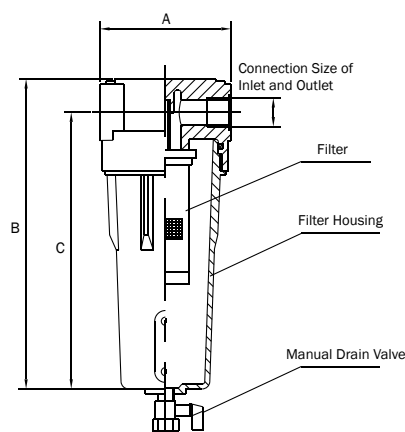


Fig. 1

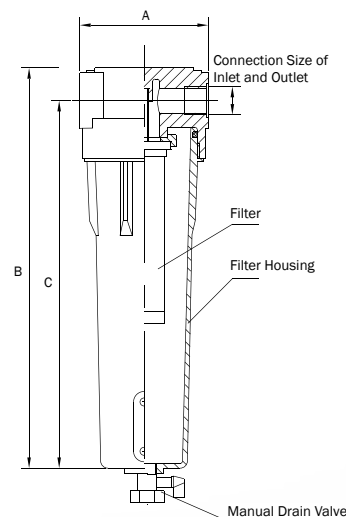


Fig. 2

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

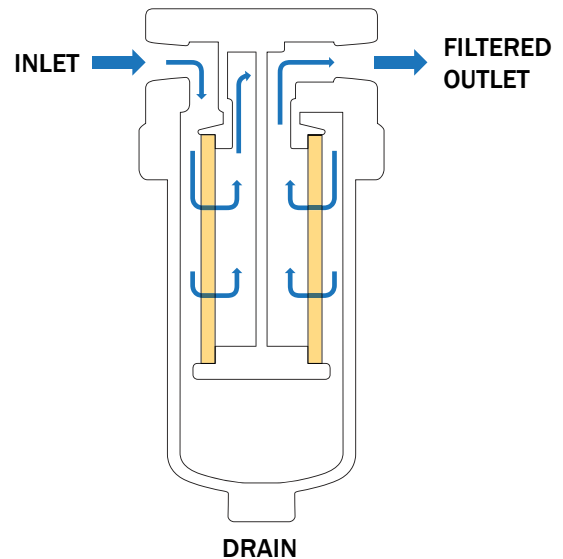
The main function of the absorption filter is to absorb smells, odors and taste from compressed air, making it suitable and comfortable for breathing.

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

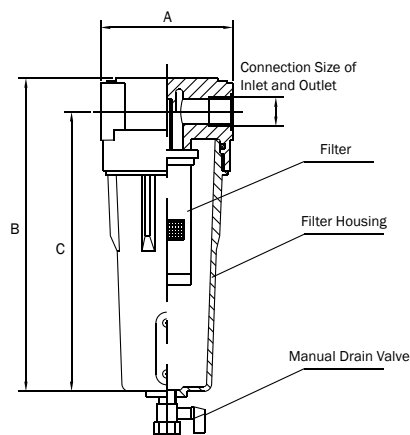


Fig. 1

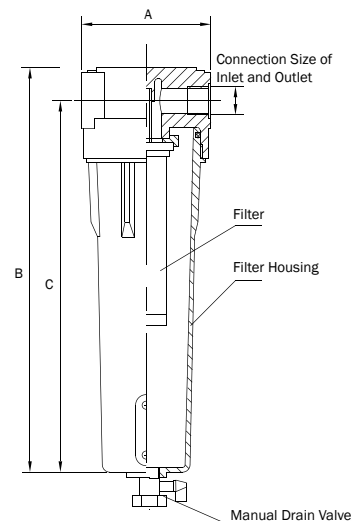


Fig. 2

Industrial Absorption Filters

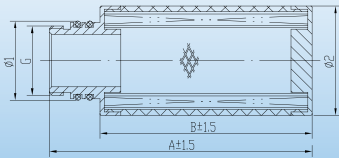
CODE	FIG.	A	B	C	CONNECTION SIZE
IN-F15A-150	1	104 +/-0.8	243 +/-1.2	217 +/-1.2	1/2"
IN-F20A-150		104 +/-0.8	313 +/-1.2	287 +/-1.2	3/4"
IN-F25A-150		104 +/-0.8	313 +/-1.2	287 +/-1.2	1"
IN-F40A-150	2	138 +/-0.8	624 +/-1.2	624 +/-1.2	1 1/2"
IN-F50A-150		148 +/-0.8	685 +/-1.2	639 +/-1.2	2"
IN-F63A-150		150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

INDUSTRIAL FILTRATION

INDUSTRIAL FILTER ELEMENTS

→ 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

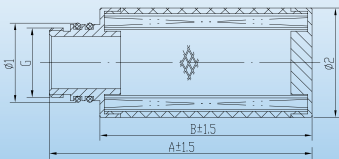
CODE	DESCRIPTION	FLOW RATE
IN-E15P-320	Pre-Filter Elements 1/2"	35 cfm
IN-E20P-320	Pre-Filter Elements 3/4"	70 cfm
IN-E25P-320	Pre-Filter Elements 1"	105 cfm
IN-E40P-320	Pre-Filter Elements 1 1/2"	210 cfm
IN-E50P-320	Pre-Filter Elements 2"	630 cfm
IN-E63P-320	Pre-Filter Elements 2 1/2"	840 cfm

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

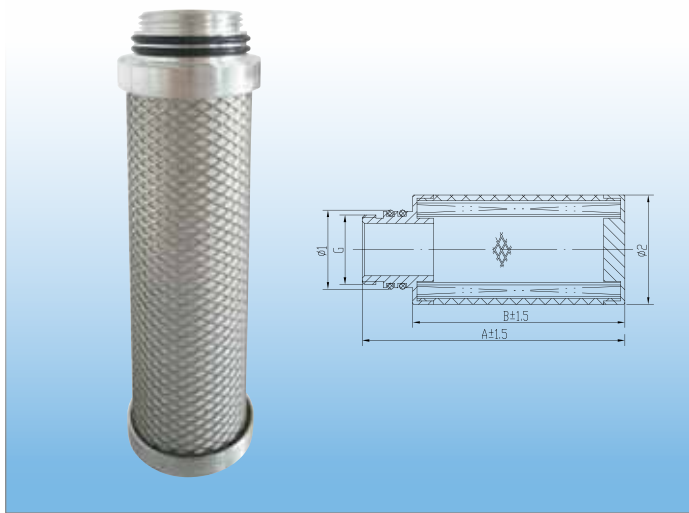
CODE	DESCRIPTION	FLOW RATE CFM
IN-E15C-130	Coalescing Elements 1/2"	35
IN-E20C-130	Coalescing Elements 3/4"	70
IN-E25C-130	Coalescing Elements 1"	105
IN-E40C-130	Coalescing Elements 1 1/2"	210
IN-E50C-130	Coalescing Elements 2"	630
IN-E63C-130	Coalescing Elements 2 1/2"	840

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: 5 μ m**
- 🕒 **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	$\phi 1$	$\phi 2$	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



→ **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
EZ11 AUTO DRAIN	Timed electronic auto drain 1/2" 230V



INFINITY ACCESSORIES

Infinity is pleased to offer a vast range of hoses, tubing, reels, brackets, couplings, plugs, adapters 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 efficiencies and productivity, and 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 vast range of reels, brackets, hose and tubing, suitable to a wide variety of jobs and industries.

*Reels do not include hose, unless stated otherwise.



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 losses 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

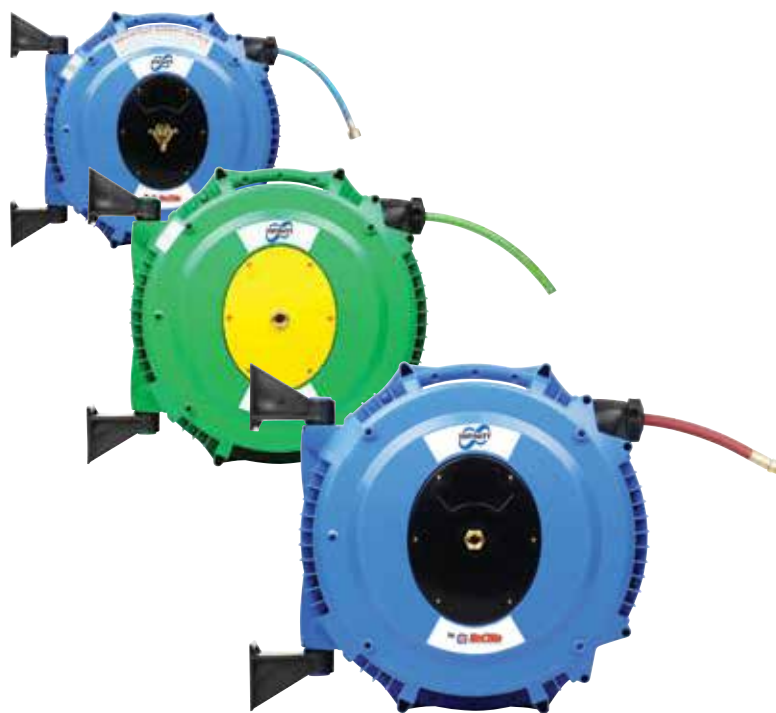
Easily locating hoses where and when you need them increases productivity. Infinity reels improve hose management, due to automatic wind-up and length control.

→ 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.



Retractable Air Hose Reel

The Infinity retractable air hose reel offers easy and safe delivery of compressed air. The fully enclosed heavy duty case is UV resistant and fitted with a heavy duty spring and swivel elbow.

Complete with rotational mounting bracket, this compact, lightweight retractable hose reel is suitable for any workshop and compliments the Infinity range.

Technical Characteristics

WORKING TEMPERATURE	-5°C / +60°C
SINGLE PACKAGING SIZE	240mm x 215mm x 95mm (LxWxH)
STEEL HOUSING	Powder painted heavy duty steel case
SPRING	Strong, steel spring. Automatically rewinds hose after catch is released
MOUNTING BRACKET	Wall or ceiling; fixed or pivoting support
STOPPER	Can adjust the length of hose remaining outside the reel when retracted
AIR INLET	Brass coupling, 360° rotation
CONNECTION	Hose connects with male fitting or quick coupling
HOSE	Included

→ Infinity Retractable Hose Reel 1/4"

CODE	DESCRIPTION	W.P 23°C	B.P 23°C
HR1/4X15M	Infinity 1/4" Retractable Air Hose Reel 15m	215 PSI	870 PSI

TECHNICAL SPECS

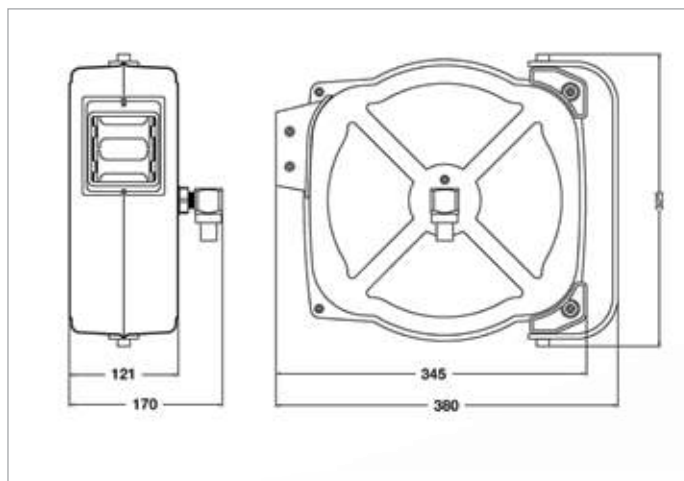
ØD	HOSE ID	MAX PRESSURE	H	L
12	8mm	15 bar	251	390

→ Infinity Retractable Hose Reel 3/8"

CODE	DESCRIPTION	W.P 23°C	B.P 23°C
HR3/8X10M	Infinity 3/8" Retractable Air Hose Reel 10m	215 PSI	870 PSI

TECHNICAL SPECS

ØD	HOSE ID	MAX PRESSURE	H	L
13.5	10mm	20bar	430	600



Spring Rewind Air Reel

The Infinity steel spring rewind air reel features a heavy duty reinforced steel construction, a ratchet or free running operation and UV stabilization. A spring protector protects the hose against damage when pulled or stretched, and the reel comes with a wall/ceiling mounted bracket.

This hose reel works with suitable pneumatic tools, and is appropriate for automatic maintenance and manufacturing facilities.

Technical Characteristics

WORKING TEMPERATURE RANGE	-5°C / +65 °C	
MOUNTING	Heavy duty wall mounting swivel system	
FITTINGS	Positive crimp hose fittings	
LATCHING	Positive latching system	
QUALITY FEATURES	Impact and corrosion resistant with anti static and flame retardants	
PRODUCT FEATURES	Highest quality 'finished edge' spring steel trap Unique ratchet tensioning system Food grade approved materials Two part fully adjustable bumper	Full flow swivels and fluid paths Replaceable protective mouth guard Unique service locking pin port for added safety Easy mount drill hole pattern supplied

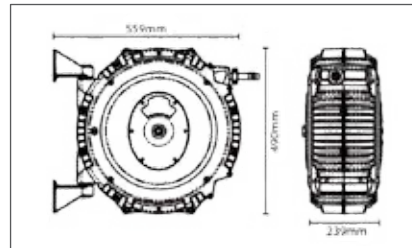
→ Air Reel 10mm



CODE	DESCRIPTION
AW1015	Infinity Air Reel 10mm x 15m

TECHNICAL SPECS

HOSE ID	HOSE LENGTH	INLET	OUTLET	MAX PSI	WEIGHT
10mm	15m	3/8" BSPF	3/8" BSPM	240	12kg



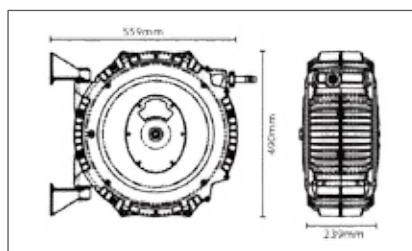
→ Air Reel 12mm



CODE	DESCRIPTION
AW1215	Infinity Air Reel 12mm x 15m

TECHNICAL SPECS

HOSE ID	HOSE LENGTH	INLET	OUTLET	MAX PSI	WEIGHT
12mm	15m	1/2" BSPF	1/2" BSPM	240	12kg



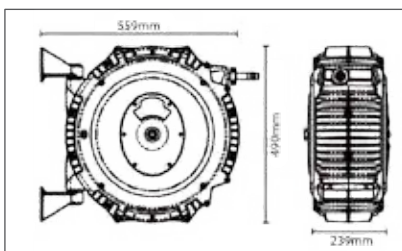
→ Workshop H₂O Reel



CODE	DESCRIPTION
G1218	Infinity Water Reel 12mm x 18m

TECHNICAL SPECS

HOSE ID	HOSE LENGTH	INLET	OUTLET	MAX PSI	WEIGHT
12mm	18m	3/8" BSPF	3/8" BSPM	240	12kg



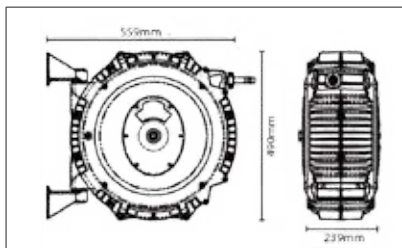
→ Electrical Reel



CODE	DESCRIPTION
EL2402010	Electrical Reel 12mm x 20m

TECHNICAL SPECS

CABLE	HOSE LENGTH	CORES	INLET	OUTLET	VAC	WEIGHT
12mm	20m	3	Plug	Socket	240	12kg



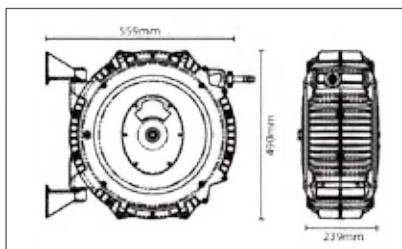
→ Gas Welding Reel



CODE	DESCRIPTION
AREELRET-OXY	Gas Welding Reel 5mm x 8m

TECHNICAL SPECS

HOSE ID	HOSE LENGTH	INLET	OUTLET	MAX PSI	WEIGHT
5mm	8m	5/8" UNFM	5/8" UNFF	-	12kg



Steel Spring Rewind Reel

The Infinity heavy duty steel spring rewind reels incorporate contemporary compact design and manufacturing techniques to guarantee long life and trouble free performance.

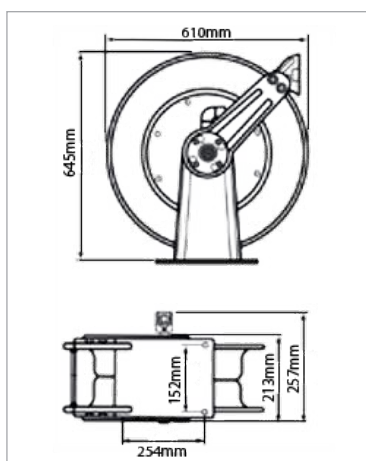
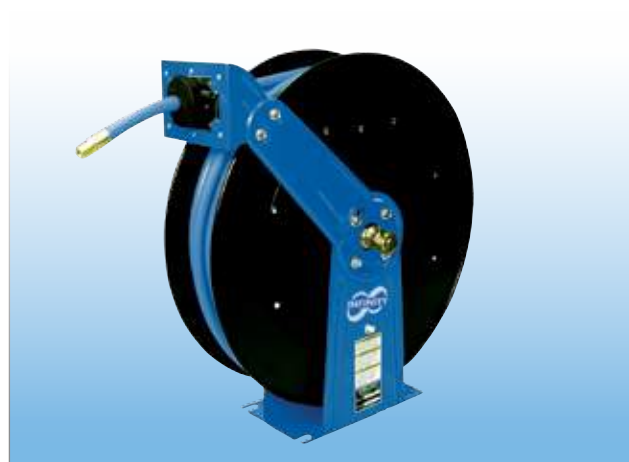
To reduce maintenance and extend the working life, this reel has a unique five in one aluminium casting, comprising of the main shaft, the latch and ratchet mechanism, the spring arbour and the goose neck.

The all-steel frame and drum construction with baked-on polyester powder coat finish combine to produce a rugged corrosion resistant product, suitable for a wide variety of heavy duty applications, including high volume compressed air.

Technical Characteristics

MOUNTING	Four position guide arm allows for wall, floor, ceiling or pit mounting	
LATCHING	Positive latching system	
QUALITY FEATURES	Impact and corrosion resistant	
PRODUCT FEATURES	Compact rugged design High flow swivels and fluid paths Ball bearing main axle bearings Heavy duty roll spun flanges	External spring canister for easy maintenance Stainless steel roller guides with ball bearings Welded frame design Stainless steel fasteners used where applicable

→ Steel Spring Rewind Reel 10mm



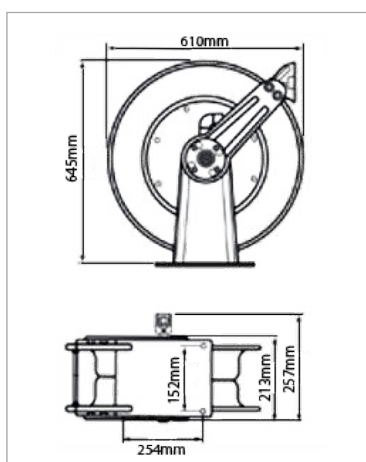
CODE
HRSR10X30

DESCRIPTION
10mm x 30m 500 psi Bare Reel

TECHNICAL SPECS		
HOSE ID	HOSE LENGTH	INLET
10mm	30m	1/2"
OUTLET	MAX PSI	WEIGHT
1/2"	500	35kg

*Hose not included

→ Steel Spring Rewind Reel 12mm



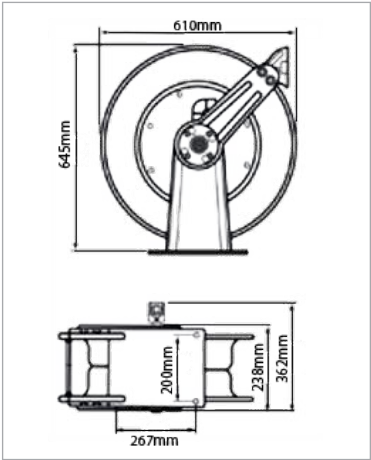
CODE
HRSR12X30

DESCRIPTION
12mm x 30m 500 psi Bare Reel

TECHNICAL SPECS		
HOSE ID	HOSE LENGTH	INLET
12mm	30m	1/2"
OUTLET	MAX PSI	WEIGHT
1/2"	500	35kg

*Hose not included

→ Steel Spring Rewind Reel 19mm

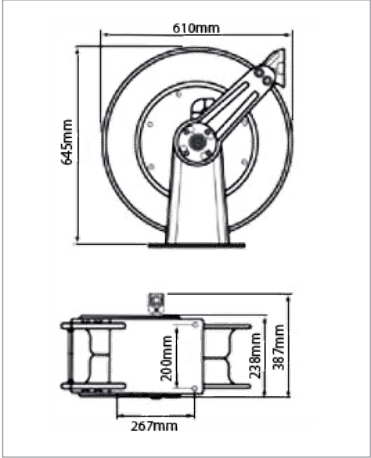


CODE
HRSR19X23
DESCRIPTION
19mm x 23m 500 psi Bare Reel

TECHNICAL SPECS		
HOSE ID	HOSE LENGTH	INLET
19mm	23m	3/4"
OUTLET	MAX PSI	WEIGHT
3/4"	500	38kg

*Hose not included

→ Steel Spring Rewind Reel 25mm



CODE
HRSR25X15
DESCRIPTION
25mm x 15m 500 psi Bare Reel

TECHNICAL SPECS		
HOSE ID	HOSE LENGTH	INLET
25mm	15m	1"
OUTLET	MAX PSI	WEIGHT
1"	500	35kg

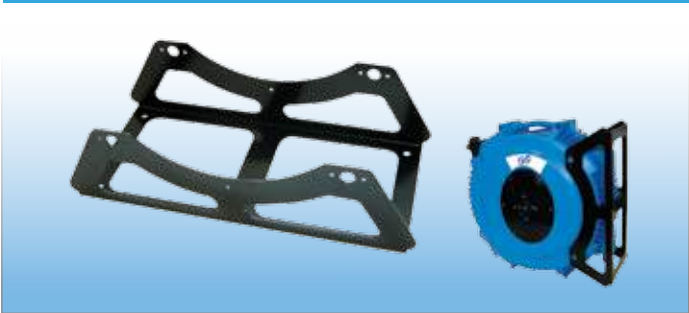
*Hose not included

→ Pivot Bracket SR Series



CODE	DESCRIPTION
IN-BR-PIV	80000 - D80000 SR Series Pivot Bracket

→ Mild Steel Bracket



CODE	DESCRIPTION
IN-BR-ST	Gen III Mild Steel Bracket

|| 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

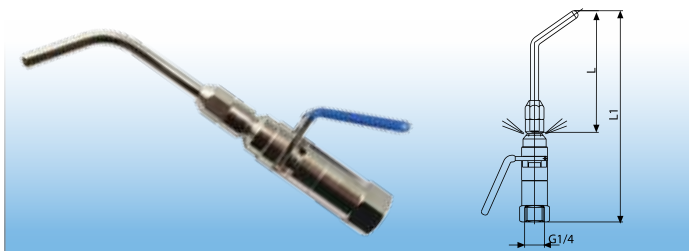
Put our coil to the test – stretch it out to full length, give it a further strong pull, and then release. Watch the hose recoil right back, regaining it's memory immediately. The coil has a memory that can be depended on.

→ Infinity Polyurethane Recoil Hose



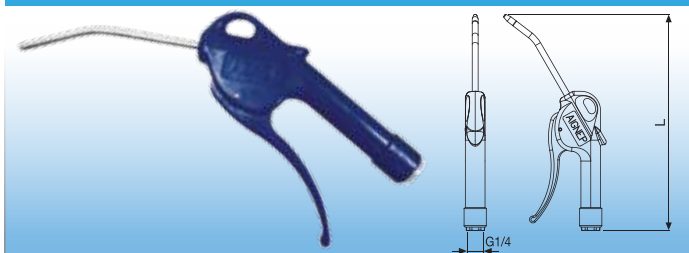
CODE	DESCRIPTION	W.P 23°C	B.P 23°C
PURC1/4X5M	1/4" ID Recoil Hose 5m	145 PSI	450 PSI
PURC1/4X7.5M	1/4" ID Recoil Hose 7.5m	145 PSI	450 PSI
PURC1/4X10M	1/4" ID Recoil Hose 10m	145 PSI	450 PSI

→ Safety Blow Gun - Female Connection



CODE	DESCRIPTION	L	L1
321-90	90mm Safety Blow Gun	90	157
321-200	200mm Safety Blow Gun	200	267
321-290	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
PUB1/2X20M	1/2" (ID) Braided Air Hose 20m	200 PSI	800 PSI
PUB1/2X50M	1/2" (ID) Braided Air Hose 50m	200 PSI	800 PSI
PUB1/2X100M	1/2" (ID) Braided Air Hose 100m	200 PSI	800 PSI
PUB1/2X200M	1/2" (ID) Braided Air Hose 200m	200 PSI	800 PSI
PUB1/4X20M	1/4" (ID) Braided Air Hose 20m	200 PSI	800 PSI
PUB1/4X50M	1/4" (ID) Braided Air Hose 50m	200 PSI	800 PSI
PUB1/4X100M	1/4" (ID) Braided Air Hose 100m	200 PSI	800 PSI
PUB1/4X200M	1/4" (ID) Braided Air Hose 200m	200 PSI	800 PSI
PUB3/8X20M	3/8" (ID) Braided Air Hose 20m	200 PSI	800 PSI
PUB3/8X50M	3/8" (ID) Braided Air Hose 50m	200 PSI	800 PSI
PUB3/8X100M	3/8" (ID) Braided Air Hose 100m	200 PSI	800 PSI
PUB3/8X200M	3/8" (ID) Braided Air Hose 200m	200 PSI	800 PSI
Lightweight, abrasive resistant, high flow, greater flexibility, high resistant to UV, oils greases & fuels.			

Industrial Rubber Hose

Infinity rubber hose is a high quality, multipurpose hose that is suitable to a variety of applications such as construction and mining. Its high resistant textile reinforcement ensures it is abrasion, heat and weather resistant, making it ideal for rough industrial situations.

FEATURES AND BENEFITS

- **ABRASION RESISTANT**
To workshop wear and tear
- **RESISTANT TO WELDING SPLATTER**
- **COMPATIBLE FOR ABRASIVE DELIVERY FOR SANDBLASTING**

→ Industrial Rubber Hose



CODE	DESCRIPTION	W.P 23 °C	B.P 23 °C
RUB3/8X20M	Infinity Industrial Rubber Hose 3/8" ID	300 PSI	900 PSI
RUB1/2X20M	Infinity Industrial Rubber Hose 1/2" ID	300 PSI	900 PSI
RUB3/4X20M	Infinity Industrial Rubber Hose 3/4" ID	300 PSI	900 PSI
RUB1X20M	Infinity Industrial Rubber Hose 1" ID	300 PSI	900 PSI

|| 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.

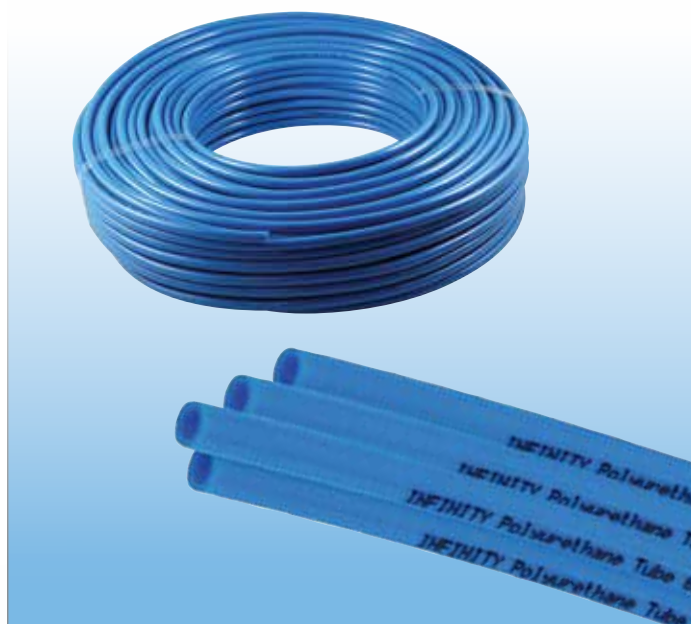
APPLICATION

- 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

|| Infinity Couplings

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

→ Male Coupling (Lockable)



CODE	DESCRIPTION
NSC-20SM	1/4" Male Coupling
NSC-30SM	3/8" Male Coupling
NSC-40SM	1/2" Male Coupling

→ Female Coupling (Lockable)



CODE	DESCRIPTION
NSC-20SF	1/4" Female Coupling

→ Barbed Coupling (Lockable)



CODE	DESCRIPTION
NSC-20SH	1/4" Barb Coupling
NSC-30SH	3/8" Barb Coupling
NSC-40SH	1/2" Barb Coupling

→ One Touch Compression Coupling (Lockable)



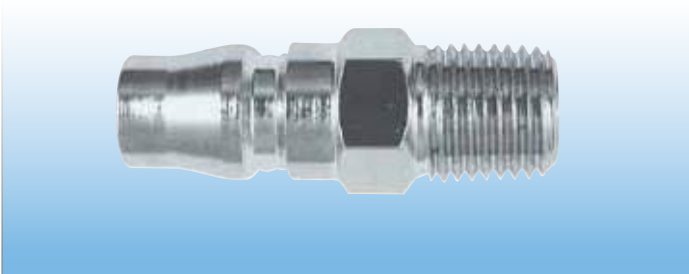
CODE	DESCRIPTION
NSC-30SP	One Touch Compression Coupling



Infinity Plugs

Infinity adapters 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
20PM	Male Plug (NP) 1/4"
40PM	Male Plug (NP) 1/2"

→ Hose Plug



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

→ Infinity Female Plug



CODE	DESCRIPTION
20SF	Female Plug (NP) 1/4"

→ Hose Plug



CODE	DESCRIPTION
NP30P	Hose Plug (SP) 1/4"

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, this coupling is the ultimate in quality Australian manufactured fittings.

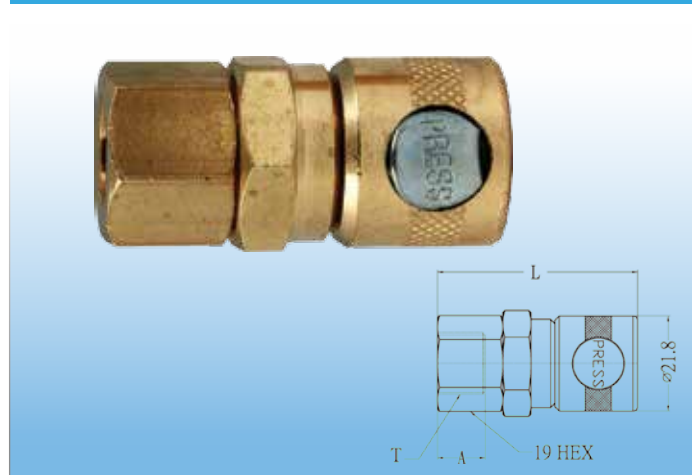
They offer simple disassembly, strong shock and corrosion resistance, and are able to maintain stability under the extreme pressure of air flow.

The single release button feature prevents accidental disconnection and adapter blowout under pressure, making the Infinity brass coupling a reliable and premium 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

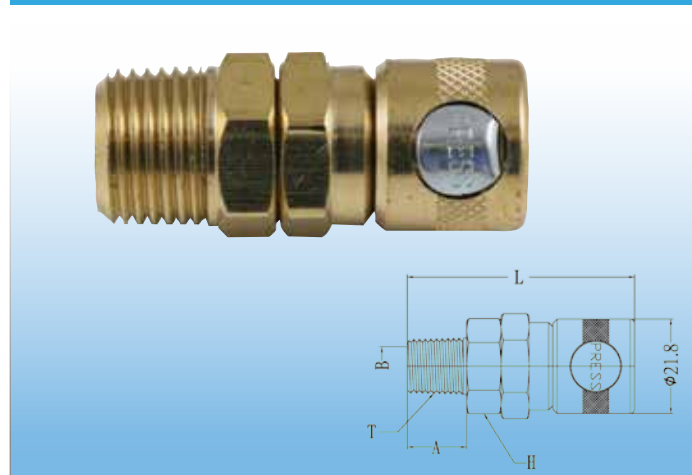


CODE	DESCRIPTION
310F4	Brass Female Coupling 1/4"
310F6	Brass Female Coupling 3/8"

TECHNICAL SPECS

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

→ Brass Male Coupling

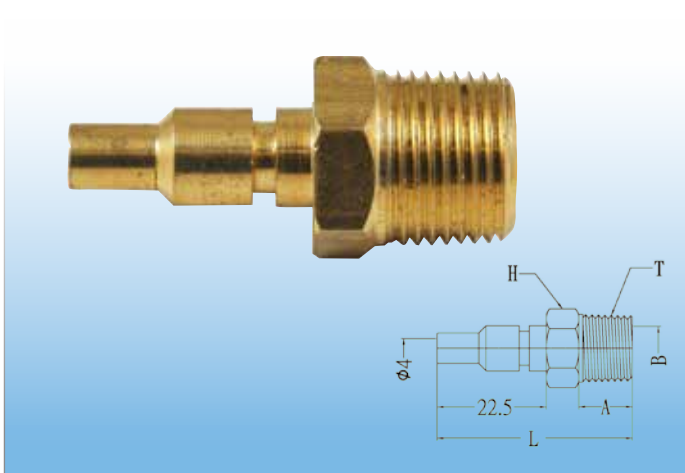


CODE	DESCRIPTION
310M4	Brass Male Coupling 1/4"
310M6	Brass Male Coupling 3/8"
310M8	Brass Male Coupling 1/2"

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 Male Plug

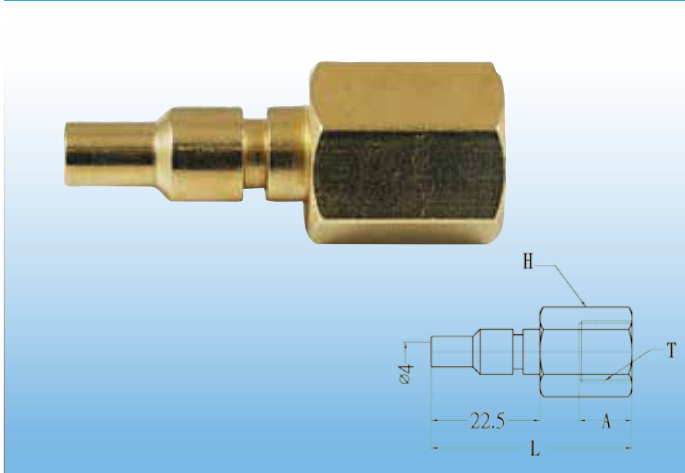


CODE	DESCRIPTION
31M4	Brass Male Plug 1/4"
31M6	Brass Male Plug 3/8"

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

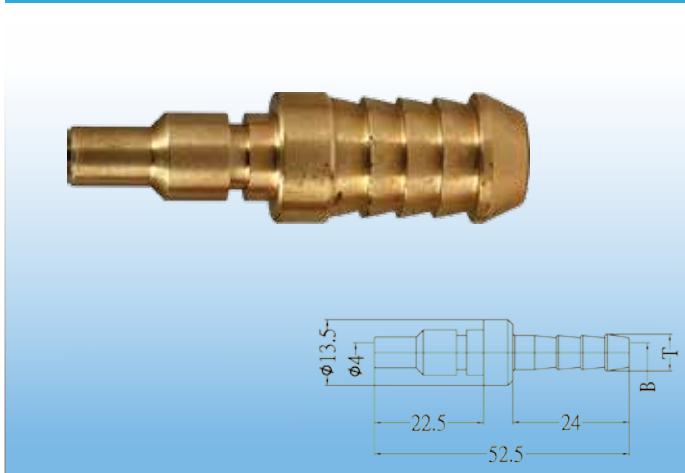


CODE	DESCRIPTION
31F4	Brass Female Plug 1/4"
31F6	Brass Female Plug 3/8"

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

Why Use Infinity Push-In Fittings?

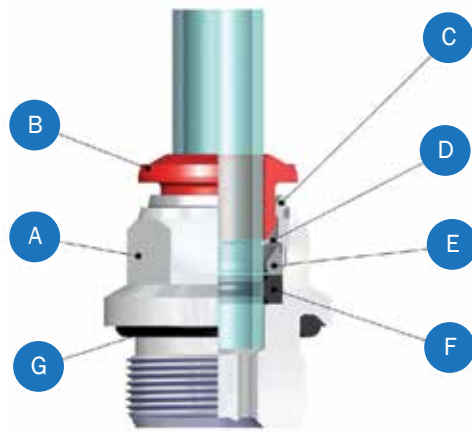
Infinity push-in fittings, made from nickle plated brass, are compatible with air, vacuum, water and steam. When compared to other products on the market, Infinity Push-In Fittings boast an impressive list of advantages.

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.

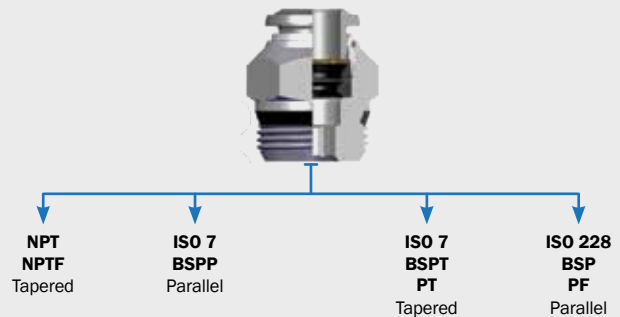
Component Parts And Materials



- 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

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.



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

→ **Swivel Elbow**



CODE	ALT CODE	DESCRIPTION
50110 4-1/8	50110 4-1/8	Swivel Elbow 4mm x 1/8
50110 6-1/8	50110 6-1/8	Swivel Elbow 6mm x 1/8
50110 6-1/4	50110 6-1/4	Swivel Elbow 6mm x 1/4
50110 8-1/8	50110 8-1/8	Swivel Elbow 8mm x 1/8
50110 8-1/4	50110 8-1/4	Swivel Elbow 8mm x 1/4
50110 8-3/8	50110 8-3/8	Swivel Elbow 8mm x 3/8
50110 10-1/4	50110 10-1/4	Swivel Elbow 10mm x 1/4
50110 10-3/8	50110 10-3/8	Swivel Elbow 10mm x 3/8
50110 10-1/2	50110 10-1/2	Swivel Elbow 10mm x 1/2
50110 12-3/8	50110 12-3/8	Swivel Elbow 12mm x 3/8
50110 12-1/2	50110 12-1/2	Swivel Elbow 12mm x 1/2

→ **Swivel Tee**



CODE	ALT CODE	DESCRIPTION
50210 4-1/8	50210 4-1/8	Swivel Tee 4mm x 1/8
50210 6-1/8	50210 6-1/8	Swivel Tee 6mm x 1/8
50210 6-1/4	50210 6-1/4	Swivel Tee 6mm x 1/4
50210 8-1/8	50210 8-1/8	Swivel Tee 8mm x 1/8
50210 8-1/4	50210 8-1/4	Swivel Tee 8mm x 1/4
50210 8-3/8	50210 8-3/8	Swivel Tee 8mm x 3/8
50210 10-1/4	50210 10-1/4	Swivel Tee 10mm x 1/4
50210 10-3/8	50210 10-3/8	Swivel Tee 10mm x 3/8
50210 10-1/2	50210 11-1/2	Swivel Tee 10mm x 1/2
50210 12-3/8	50210 12-3/8	Swivel Tee 12mm x 3/8
50210 12-1/2	50210 12-1/2	Swivel Tee 12mm x 1/2

→ **Swivel Male Elbow**



CODE	ALT CODE	DESCRIPTION
50115 4XM5	50115 4xM5	Swivel Male Elbow 4mm x M5
50115 4X1/8	50115 4x1/8	Swivel Male Elbow 4mm x 1/8"
50115 6X1/8	50115 6x1/8	Swivel Male Elbow 6mm x M5

→ **Y Connector**



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

→ **Straight Connector**



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

→ **Bulkhead Connector**



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

INFINITY ACCESSORIES

PUSH-IN FITTINGS

→ Male Centre Tee



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

→ Straight Male Adapter (Short)



CODE	ALT CODE	DESCRIPTION
50010 4XM5	50010 4xM5	Straight Male Adapter 4mm x M5
50010 4X1/8	50010 4x1/8	Straight Male Adapter 4mm x 1/8"
50010 6XM5	50010 6xM5	Straight Male Adapter 6mm x M5

→ Elbow



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

→ Tee Connector



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

→ Male Elbow Adapter



CODE	ALT CODE	DESCRIPTION
50100 6-1/8	50100 6-1/8	Male Elbow Adapter 6mm x 1/8"
50100 6-1/4	50100 6-1/4	Male Elbow Adapter 6mm x 1/4"
50100 8-1/8	50100 8-1/8	Male Elbow Adapter 8mm x 1/8"
50100 8-1/4	50100 8-1/4	Male Elbow Adapter 8mm x 1/4"
50100 10-1/4	50100 10-1/4	Male Elbow Adapter 10mm x 1/4"
50100 10-3/8	50100 10-3/8	Male Elbow Adapter 10mm x 3/8"

→ Male Adapter



CODE	ALT CODE	DESCRIPTION
50600 4X1/8	50600 4x1/8	Male Adapter 4mm x 1/8"
50600 4XM5	50600 4xM5	Male Adapter 4mm x M5
50600 6XM5	50600 6xM5	Male Adapter 6mm x M5
50600 6X1/8	50600 6x1/8	Male Adapter 6mm x 1/8"
50600 8X1/8	50600 8x1/8	Male Adapter 8mm x 1/8"
50600 10X1/4	50600 10x1/4	Male Adapter 10mm x 1/4"

→ **Straight Male Adapter**



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

→ **Infinity Polyurethane Tubing**



CODE	DESCRIPTION
PU4X100M	4mm (OD) x 2mm Tube 100m
PU6X200M	6mm (OD) x 4mm Tube 200m
PU8X100M	8mm (OD) x 5mm Tube 100m
PU10X100M	10mm (OD) x 6.5mm Tube 100m
PU12X100M	12mm (OD) x 8mm Tube 100m

INFINITY ACCESSORIES

ADAPTERS

→ Male Y Piece



CODE	ALT CODE	DESCRIPTION
77 1/4	6000 1/4	Male Y 1/4"
77 1/2	6000 1/2	Male Y 1/2"

→ Female Y Piece



CODE	ALT CODE	DESCRIPTION
75 1/4	6010 1/4	Female Y 1/4"
75 1/2	6010 1/2	Female Y 1/2"

→ Female Elbow



CODE	ALT CODE	DESCRIPTION
34 1/4	5010 1/4	Female Elbow 1/4"
34 1/2	5010 1/2	Female Elbow 1/2"
34 3/4	5010 3/4	Female Elbow 3/4"

→ Male/Female Elbow



CODE	ALT CODE	DESCRIPTION
25 1/4	5020 1/4	Male/Female Elbows 1/4"
25 1/2	5020 1/2	Male/Female Elbows 1/2"
25 3/4	5020 3/4	Male/Female Elbows 3/4"

→ Plug



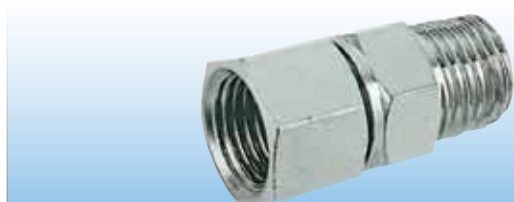
CODE	ALT CODE	DESCRIPTION
64 1/8	3020 1/8	Plug 1/8"
64 1/4	3020 1/4	Plug 1/4"
64 3/8	3020 3/8	Plug 3/8"
64 1/2	3020 1/2	Plug 1/2"
64 3/4	3020 3/4	Plug 3/4"
64 1	3020 1	Plug 1"

→ Nipple



CODE	ALT CODE	DESCRIPTION
27 1/8	2000 1/8	Nipple 1/8"
27 1/4	2000 1/4	Nipple 1/4"
27 3/8	2000 3/8	Nipple 3/8"
27 1/2	2000 1/2	Nipple 1/2"
27 3/4	2000 3/4	Nipple 3/4"
27 1	2000 1	Nipple 1"

→ Orienting Nipple



CODE	ALT CODE	DESCRIPTION
2110 1/4	2110 1/4	Orienting Nipple

→ Male/Female Cross



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

→ Female Tee



CODE	ALT CODE	DESCRIPTION
35 1/4	4000 1/4	Tee Female 1/4"
35 3/8	4000 3/8	Tee Female 3/8"
35 1/2	4000 1/2	Tee Female 1/2"
35 3/4	4000 3/4	Tee Female 3/4"
35 1	4000 1	Tee Female 1"

→ Socket



CODE	ALT CODE	DESCRIPTION
26 1/8	3000 1/8	Socket 1/8"
26 1/4	3000 1/4	Socket 1/4"
26 3/8	3000 3/8	Socket 3/8"
26 1/2	3000 1/2	Socket 1/2"
26 3/4	3000 3/4	Socket 3/4"

→ Male Tee



CODE	ALT CODE	DESCRIPTION
36 1/4	4040 1/4	Male Centre Tee 1/4"
36 1/2	4040 1/2	Male Centre Tee 1/2"

→ Reducing Nipple



CODE	ALT CODE	DESCRIPTION
73 1/4X1/8	2020 1/8-1/4	Reducing Nipple 1/4" X 1/8"
73 3/8X1/8	2020 1/8-3/8	Reducing Nipple 3/8" X 1/8"
73 3/8X1/4	2020 1/4-3/8	Reducing Nipple 3/8" X 1/4"
73 1/2X1/4	2020 1/4-1/2	Reducing Nipple 1/2" X 1/4"
73 1/2X3/8	2020 3/8-1/2	Reducing Nipple 1/2" X 3/8"
73 3/4X1/2	2020 1/2-3/4	Reducing Nipple 3/4" X 1/2"
73 1X3/4	2020 3/4-1	Reducing Nipple 1" X 3/4"

INFINITY ACCESSORIES

ADAPTERS

→ Bush



CODE	ALT CODE	DESCRIPTION
24 1/4X1/8	2080 1/4-1/8	Reducing Bush 1/4" X 1/8"
24 3/8X1/8	2080 3/8-1/8	Reducing Bush 3/8" X 1/8"
24 3/8X1/4	2080 3/8-1/4	Reducing Bush 3/8" X 1/4"
24 1/2X1/4	2080 1/2-1/4	Reducing Bush 1/2" X 1/4"
24 1/2X3/8	2080 1/2-3/8	Reducing Bush 1/2" X 3/8"
24 3/4X3/8	2080 3/4-3/8	Reducing Bush 3/4" X 3/8"
24 3/4X1/2	2080 3/4-1/2	Reducing Bush 3/4" X 1/2"
24 1X1/2	2080 1-1/2	Reducing Bush 1" X 1/2"
24 1X3/4	2080 1-3/4	Reducing Bush 1" X 3/4"
24 1 1/4X3/4	2080 1 1/4-3/4	Reducing Bush 1 1/4" X 3/4"
24 1 1/2X1	2080 1 1/2-1	Reducing Bush 1 1/2" X 1"
24 2X1	2080 2X1	Reducing Bush 2" X 1"

→ Male Hose



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

→ Hose Adapter Female



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

→ Female Mini Ball Valve



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

→ Male/Female Mini Ball Valve



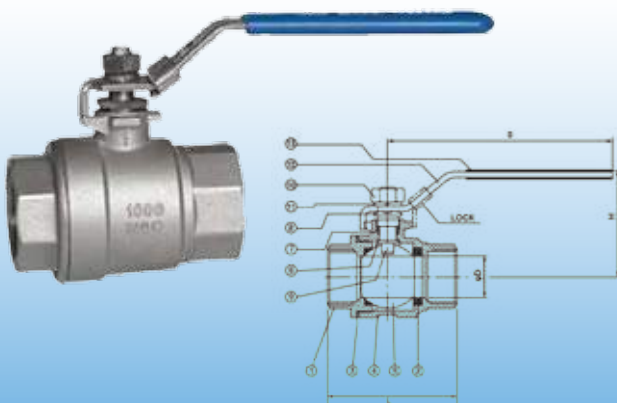
CODE	ALT CODE	DESCRIPTION
1/4 MFBV	6410 1/4	Male/Female Ball Valve 1/4"

→ Standard Full Flow Ball Valve



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

→ Lockable SS Ball Valve

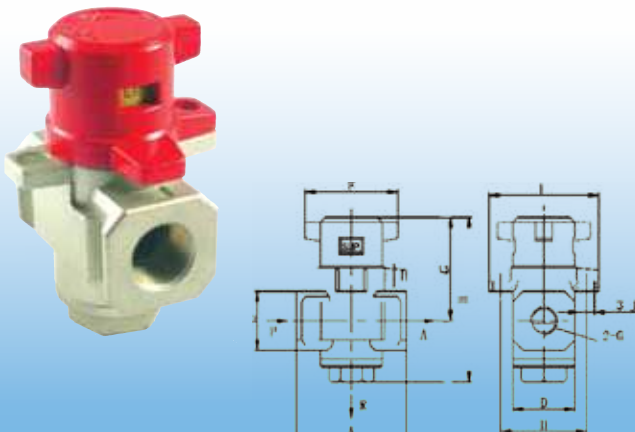


CODE	DESCRIPTION
INLBV1/2	Lockable SS ball valve 1/2"
INLBV3/4	Lockable SS ball valve 3/4"
INLBV1	Lockable SS ball valve 1"
INLBV1 1/4	Lockable SS ball valve 1 1/4"
INLBV1 1/2	Lockable SS ball valve 1 1/2"
INLBV2	Lockable SS ball valve 2"
INLBV2 1/2	Lockable SS ball valve 2 1/2"

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

→ **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
INC020	90820 20	Collars 20mm
INC025	90820 25	Collars 25mm
INC032	90820 32	Collars 32mm
INC040	90820 40	Collars 40mm
INC050	90820 50	Collars 50mm
INC063	90820 63	Collars 63mm

→ **Clip**



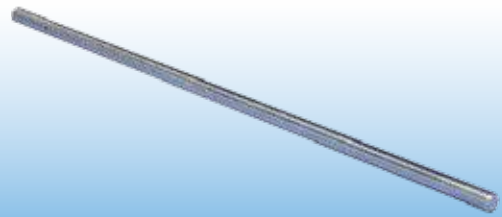
CODE	ALT CODE	DESCRIPTION
INCL20	PCC-20	Clips 20mm
INCL25	PCC-25	Clips 25mm
INCL32	PCC-32	Clips 32mm
INCL40	PCC-40	Clips 40mm
INCL50	PCC-50	Clips 50mm
INCL63	PCC-63	Clips 63mm

→ Universal Beam Clamp



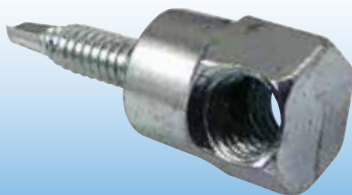
CODE	DESCRIPTION
389511	Beam Clamp 10mm

→ Threaded Rod



CODE	DESCRIPTION
3TFZ10	Threaded Rod 3m x M10

→ Side Hanger For Steel



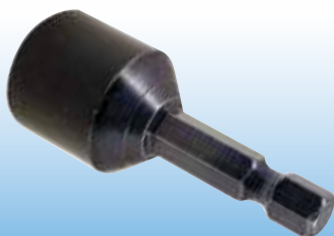
CODE	DESCRIPTION	BOX QTY
28100	Side Hanger 25mm M10 x 1/4 with Nut	100

→ 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)



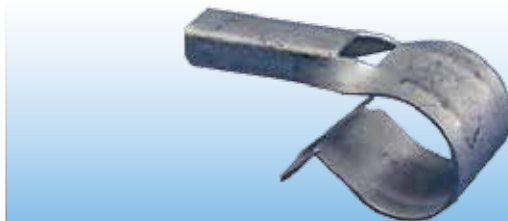
CODE	DESCRIPTION	BOX QTY
7187	Socket Driver M10 Steel	5

→ Mounting Plate



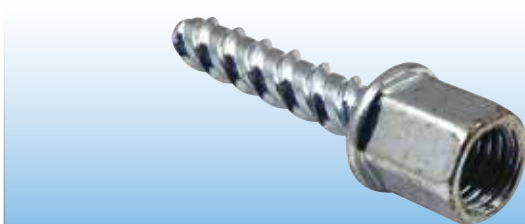
CODE	DESCRIPTION	BOX QTY
CMP10	CMP Mounting Plate	100

→ Cable Snap Clip



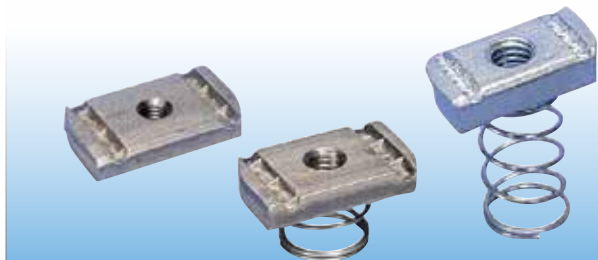
CODE	DESCRIPTION
187390	LB3C Cable Snap Clip

→ 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

→ Bracket



CODE	DESCRIPTION
KH10C	150mm Strut Cantilever Arm Type A Plain
KH5C	200mm Strut Cantilever Arm Type A Plain
KH6C	250mm Strut Cantilever Arm Type A Plain
KH11C	300mm Strut Cantilever Arm Type A Plain
KH15C	400mm Strut Cantilever Arm Type A Plain
KH12C	450mm Strut Cantilever Arm Type A Plain
KH16C	550mm Strut Cantilever Arm Type A Plain
KH13C	600mm Strut Cantilever Arm Type A Plain
KH8C	650mm Strut Cantilever Arm Type A Plain
KH9C	700mm Strut Cantilever Arm Type A Plain
KH14C	750mm Strut Cantilever Arm Type A Plain

→ Threaded Tape



CODE	DESCRIPTION
RED409	Plumbers Thread Tape 7m Length Roll

→ Wonder Juice



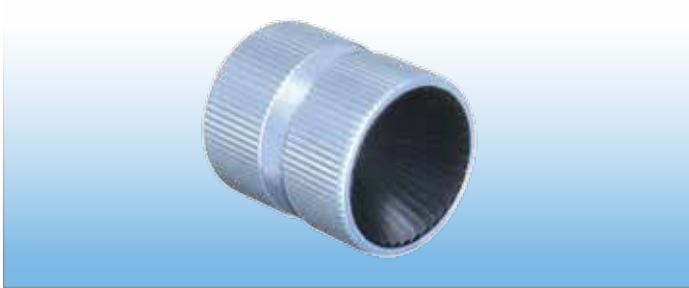
CODE	DESCRIPTION
RED408	Wonder Juice 50ml Tube

→ Pipe Cutter



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

→ Deburring Tool



CODE	DESCRIPTION
90880	Pipe Deburrer



APPENDIX

INFINITY SYSTEM ADVANTAGES

SAFETY CERTIFICATIONS



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

- Aluminum tube - UNI 9921-DIN 50939-ASTMD 1730 UNI 9983-BS6496.
- Tensile test – NORMA UNI-EN 1254-2:2000
- Fittings – OT UNI EN 12165 CW 617A 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

SPECIALISTI IN RICERCA E CERTIFICAZIONE DAL 1959

Cap. Fin. Part IVA 00549540-009
R.E.A. 0040214-A-RPE 126766
Registo Imposto Renda 00549540-009
Cap. Soc. R. 116.000,00 i/s

1. gaisma absorbēta + fluorescējošā viela izstaro ar vienu un to pašu viļņgaršu
2. gaisma absorbēta, bet pati viela izstaro citu viļņgaršu
3. gaisma absorbēta, bet izstarojuma viļņgarš ir atšķirīgs

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**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. d/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



CERTIFICATO n. 0055/6
CERTIFICATE No.

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

AIGNEP S.p.A.

UNITA' OPERATIVE
OPERATIVE UNITS

Via Don Bazzoli, 34 - 25070 Bione (BS)
Italia

E' CONFORME ALLA NORMA
IS IN COMPLIANCE WITH THE STANDARD

UNI EN ISO 9001:2008

PER LE SEGUENTI ATTIVITA'
FOR THE FOLLOWING ACTIVITIES

EA: 17

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.

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

Riferirsi al Manuale della Qualità per l'applicabilità dei requisiti della norma di riferimento.
Refer to Quality Manual for details of application to reference standard requirements.

Il presente certificato è soggetto al rispetto del regolamento per la certificazione dei sistemi di gestione per la qualità delle aziende.
The use and the validity of this certificate shall satisfy the requirements of the rules for the certification of company quality management systems.

Data emissione
First issue
11/12/1992

Emissione corrente
Current issue
18/09/2011

Data di scadenza
Expiring date
17/09/2014

ICIM S.p.A.

Piazza Don Enrico Mapelli, 75 - 20099 Sesto San Giovanni (MI)

CISQ is a member of



www.iqnet-certification.com

IQNet, the association of the world's first class certification bodies, is the largest provider of management System Certification in the world. IQNet is composed of more than 30 bodies and counts over 150 subsidiaries all over the globe.

CISQ è la Federazione Italiana di Organismi di Certificazione dei sistemi di gestione aziendale.

CISQ is the Italian Federation of management system Certification Bodies.



SGQ N° 004A
SGA N° 005D
SCR N° 005F

SSI N° 606G
PSD N° 004D
ISP N° 046E

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements



www.cisq.com



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CISQ/ICIM

hereby certify that the organization

AIGNEP S.p.A.

Via Don Bazzoli, 34 - I-25070 Bione (BS)

for the following field of activities

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

has implemented and maintains a

Quality Management System

which fulfills the requirements of the following standard

ISO 9001:2008

Issued on: **2011-09-18**

Validity date: **2014-09-17**

Registration Number: IT-3755



Michael Drechsel

President of IQNET



Gianrenzo Prati

President of CISQ

IQNet Partners*:

AENOR Spain AFNOR Certification France AIB-Vinçotte International Belgium ANCE Mexico APCER Portugal CCC Cyprus
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany DS Denmark
ELOT Greece FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico
Inspecta Certification Finland IRAM Argentina JQA Japan KFQ Korea MSZT Hungary Nemko AS Norway NSAI Ireland
PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland
SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia

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* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



**ISTITUTO
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Istituto Giordano S.p.A.
Via Rossini, 2 - 47814 Bellaria (RN) Italy
Tel. +39 0541 343030 - Fax +39 0541 345540
istitutogiordano@giordano.it - www.giordano.it
Cod. Fisc./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) - SIT (20)

RICONOSCIMENTI UFFICIALI MINISTERI ITALIANI:

- Legge 136/91 con D.M. 27/11/93 n. 22813 "Prove sui materiali da costruzione".
- D.M. 08/11/99 "Certificazione CE per le unità da dipinto".
- D.M. 04/06/94 "Certificazione CE sulle macchine".
- Decreto n. 157/92 del 15/12/96 "Certificazione CE per gli apparecchi a gas".
- D.M. 06/07/93 "Certificazione CE in materia di recipienti semplici a pressione".
- D.M. 06/07/93 "Certificazione CE concernente la sicurezza dei giocattoli".
- Incarichi di verifica della sicurezza e conformità dei prodotti nell'ambito della sorveglianza sul mercato e tutela del consumatore.
- D.M. 03/04/98 "Fiducia di attestazioni di conformità delle caratteristiche e prestazioni energetiche dei condizionatori degli edifici e degli impianti".
- Legge 81/84 e D.M. 26/03/85 con autorizzazione del 21/03/96 "Prove di resistenza al fuoco secondo D.M. 26/06/84".
- Legge 81/84 e D.M. 26/03/85 con autorizzazione del 10/07/96 "Prove di resistenza al fuoco secondo Decreto n. 31 del 14/09/91".
- Legge 81/84 e D.M. 26/03/85 con autorizzazione del 03/07/92 "Prove di resistenza al fuoco secondo Decreto n. 7 del 02/04/91 norma CEN/EN ISO 8732".
- Legge 81/84 e D.M. 26/03/85 con autorizzazione del 12/04/95 "Prove su edifici in incendio passivi secondo D.M. 26/12/92".
- Legge 46/92 con D.M. 08/10/95 "Emissione nell'aria dei laboratori autorizzati a svolgere ricerche di carattere applicativo a favore delle piccole e medie industrie".
- Protocollo n. 116 del 21/03/87 "Ispezioni alla Scheda Anagrafica Nazionale delle ricerche con codice 8 E949/99".
- Decreto 24/02/00 "Certificazione CE di rispondenza della conformità della attrezzatura a pressione".
- Decreto 14/02/00 "Certificazione CE di conformità in materia di emissione acustica ambientale per macchine e attrezzature".
- Decreto 25/02/00 "Esecuzione delle procedure di valutazione della conformità dell'equipaggiamento marittimo".
- D.U.R.I. n. 238 del 07/10/94 "Certificazione CE sugli accessori".
- Verifica per le attività di attestazione della conformità alle norme armonizzate della Direttiva 89/106 sui prodotti da costruzione.

ENTI TERZI:

- SINCEPT Accredited n. 0574 del 18/12/00 "Organismo di certificazione di sistemi di gestione per la qualità" n. 0528 del 12/04/98 "Organismo di certificazione di prodotti".
- SIT Centro multisito s. 20 (Bellaria - Pinerolo) per grande fornimento di elettricità.
- ICM "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto".
- IM2 "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto per carne umana".
- UNCSAAL "Riconoscimento del 26/03/95 "Laboratorio per le prove di certificazione UNCSAAL sui sementi e facciate continue".
- IM2 UNI "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto per termocanali a legna con fluido a circolazione forzata".
- OSI UNI "Prove di laboratorio in ambito degli schemi di Certificazione di Prodotto per sementi esteri".
- RCMARK per sementi termici "Misura di conduttività termica dei materiali isolanti".
- ITI "Prove di laboratorio e sorveglianza in opera nell'ambito degli schemi di Certificazione di Prodotto per porte, finestre, chiusure scorrevoli (anterie) e serramenti".
- ITSG "Prove di laboratorio su cassette e altri pezzi di cassidi".
- AENOR "Validazione della conformità ai fini della marcatura CE per alcuni prodotti inerenti la direttiva prodotti da costruzione".
- ITT-Fiducias "Validazione della conformità ai fini della marcatura CE per alcuni prodotti inerenti la direttiva prodotti da costruzione".
- C.C.I.A.A. Rimini 28/01/04 "Verifica periodica dell'affidabilità metrologica di strumenti metrologici in materia di commercio".

PARTECIPAZIONI ASSOCIATIVE:

- ANA Associazione Italiana di Anagrafi.
- AIGARI Associazione Italiana Condizionamento dell'Aria Riscaldamento Refrigerazione.
- INQ2 Associazione Italiana per la Qualità.
- AIPRI Associazione Italiana Prove per Distruttive.
- ALP Associazione Laboratori Italiani Fuoco.
- ALPI Associazione Laboratori di Prova Indipendenti.
- ASHRAE American Society of Heating, Refrigerating and Air Conditioning Engineers Inc.
- ASTM American Society for Testing and Materials.
- ATIS Associazione Tecnica Italiana dei Ceri.
- CTE Collegio dei Tecnici della Industrializzazione Edilizia.
- CII Comitato Termotecnico Italiano.
- EARM European Association of Research Managers and Administrators.
- EARTD European Association of Research and Technology Organisation.
- EGOLF European Group of Official Laboratories for Fire Testing.
- UNI Ente Nazionale Italiano di Unificazione.

CLAUSE:

Il presente documento si riferisce solamente al campione o materiale sottoposto a prova.
Il presente documento non può essere riprodotto parzialmente, salvo approvazione scritta del laboratorio.

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



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Istituto Giordano S.p.A.
Via Rossini, 2 - 47814 Bellaria (RN) Italy
Tel. +39 0541 343030 - Fax +39 0541 345540
istituto@giordano.it - www.giordano.it
Cod. Fisc. 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 (GS7A e 0828) - SIT (20)

RICONOSCIMENTI UFFICIALI MINISTERI ITALIANI:

- Legge 108/77 art. 10, D.M. 27/1/82 n. 125/2 "Prove sui materiali da costruzione"
- D.M. 09/1/79 "Certificazione CE per le unità da impianto"
- D.M. 04/06/84 "Certificazione CE sulle macchine"
- Decreto n. 15/7860 del 15/12/84 "Certificazione CE per gli apparecchi a gas"
- D.M. 08/11/82 "Certificazione CE in materia di recipienti semplici a pressione"
- D.M. 08/07/82 "Certificazione CE concernente la sicurezza dei prodotti"
- Inquadro di verifica della sicurezza e conformità dei prodotti nell'ambito della certificazione del mercato e tutela del consumatore
- D.M. 05/04/88 "Metodo di valutazione di conformità delle caratteristiche e prestazioni energetiche dei componenti degli edifici e degli impianti"
- Legge 19/84 n. 2 M. 16/03/85 con autorizzazione del 21/03/85 "Prove di reazione al fuoco secondo D.M. 26/06/84"
- Legge 19/84 n. 2 M. 20/03/85 con autorizzazione del 20/03/85 "Prove di resistenza al fuoco secondo Decreto n. 81 del 14/09/81"
- Legge 19/84 n. 2 M. 20/03/85 con autorizzazione del 20/03/85 "Prove di resistenza al fuoco secondo Decreto n. 7 del 05/04/81 norma DIN EN 1363"
- Legge 19/84 n. 2 M. 20/03/85 con autorizzazione del 20/03/85 "Prove su sistemi d'isolamento portanti secondo D.M. 20/12/82"
- Legge 19/84 n. 2 M. 20/03/85 "Commissione nell'area dei prodotti autorizzati a vendere prodotti di carattere qualitativo a favore della piccola e media industria"
- Decreto n. 118 del 21/03/87 "Ispezione alla Sottilezza Angolare Nazionale delle macchine con rotore 15/24/87/87"
- Decreto 14/05/82 "Certificazione CE di rispondenza delle conformità delle apparecchiature a pressione"
- Decreto 14/05/82 "Certificazione CE di conformità in materia di emissione acustica ambientale per macchine a compressione"
- Decreto 25/02/82 "Ispezione delle procedure di valutazione della conformità dell'incendio, marittimo"
- D.L. n. 238 del 27/03/84 "Certificazione CE sugli accessori"
- Nota per la attività di attuazione della direttiva 89/106 sul prodotto da costruzione

ENTI TERZI:

- SINCERT: Accreditamento n. 15/1A del 15/12/82 "Organismo di certificazione di sistemi di gestione di qualità secondo la ISO 9001 del 12/04/88 "Organismo di certificazione di prodotti"
- SIT: Centro nazionale n. 20 (Bellaria - Rimini) per prodotti in commercio ed edilizia
- CCM: "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto"
- IMQ: "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto per sistemi sanitari"
- UNICAP: Accreditamento del 26/03/83 "Laboratorio per le prove di certificazione UNICAP, su sistemi a fluidi e fluidi carichi"
- IMQ-UNI: "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto per sistemi sanitari a legge con fluido a circolazione forzata"
- CCM-UNI: "Prove di laboratorio in ambito degli schemi di Certificazione di Prodotto per sistemi sanitari"
- UNI: "Prove di laboratorio: misure di compatibilità elettromagnetica per materiali isolanti"
- ITI: "Prove di laboratorio e certificazione in ambito dell'attività degli schemi di Certificazione di Prodotto per sistemi sanitari (apparecchiature a pressione) e sanitari"
- ITSD: "Prove di laboratorio su accessori e altri pezzi di controllo"
- AENOR: "Valutazione della conformità ai fini della marcatura CE per alcuni prodotti sanitari a direttiva prodotto da costruzione"
- VTI: "Valutazione della conformità ai fini della marcatura CE per alcuni prodotti sanitari a direttiva prodotto da costruzione"
- C.C.I.A.A. Rimini: 28/01/04 "Verifica periodica nell'attività metrologica di strumenti metrologici in materia di commercio"

PARTICIPAZIONI ASSOCIATIVE:

- AIC: Associazione Italiana di Acciaio
- AICAR: Associazione Italiana Confindustria dell'Industria Metallurgica Nazionale
- AISI: Associazione Italiana per la Qualità
- AIPD: Associazione Italiana Prove con Dittusive
- ALP: Associazione Laboratori Italiani Fusi
- ALP: Associazione Laboratori di Prove Indipendenti
- AQRAD: American Society of Heating, Refrigerating and Air Conditioning Engineers Inc.
- ASTM: American Society for Testing and Materials
- ATQ: Associazione Tecnica Italiana del Gas
- CTE: Collegio dei Tecnici della Informazione Edilizia
- CTE: Comitato Tecnico-Edilizia
- EAPRM: European Association of Research Managers and Administrators
- EARTS: European Association of Research and Technology Organisation
- EGDF: European Group of Official Laboratories for Fire Testing
- IIR: Ente Nazionale Italiano di Unificazioni

CLAUSELE:

- Il presente documento è inteso solamente al campione e materiale sottoposto a prova
- Il presente documento non può essere riprodotto parzialmente, senza approvazione scritta del laboratorio

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 I - 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 Frattini)

Manager, Applied Physics
Laboratory
(Dott. Ing. Vincenzo Iommi)

Chairman or
Managing Director

Dott. Ing. Vincenzo Iommi

Comp. AV
Revisione

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

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 bending 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.

Compressed Air Conversion Factors

VOLUME										
CU FT/MIN	1	2.5	5	6	8	10	12	15	30	40
L/MIN	28.32	70.8	141.5	170	227	283	340	425	850	1133

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

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

Flow Conversion Table	LITRES PER SECOND	LITRES PER MINUTE	LITRES PER HOUR	CUBIC FEET PER SECOND	CUBIC FEET PER MINUTE
	(L/S)	(L/M)	(L/HR)	(CFS)	(CFM)
L/S	1	60.0000	3600.00	0.0353157	2.11894
L/M	0.01666667	1	60.0000	5.88594e-4	0.0353157
L/HR	2.77778e-4	0.01666667	1	9.80990e-6	5.88594e-5
CFS	28.3161	1698.963	101937.8	1	60.000
CFM	0.471934	28.3161	1698.963	0.01666667	1

Glossary Of Terms

PRESSURE

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