

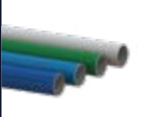


**Infinite possibilities,
infinite solutions.**

A high performance aluminium
pipework system, easy to install
and simple to extend or modify

CATALOGUE

INFINITY SERIES PRODUCT REFERENCE

 90000 Page 7-9	 90010 Page 11	 90012 Page 11	 90013 Page 12	 90017 Page 12	 90019 Page 12	 90020 Page 13	 90023 Page 13	 90030 Page 13
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New  90300 Page 23	 90600 Page 24	 90602 Page 24	 90610 Page 24-25	New  90620 Page 25	 90621 Page 26	 90625 Page 26	 90627 Page 27	New  90630 Page 27
 90642 Page 28	 90644 Page 28	 90660 Page 29	 90662 Page 29	 90664 Page 29	 90700 Page 30	 90705 Page 30	 90710 Page 30	 90720 Page 31
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 90860 Page 37	 261AC Page 38	 262AC Page 38	 2656AC Page 38	 661 Page 39	 662 Page 39	 665 Page 39	New  OB161 Page 40	 00304 Page 40
 00315 Page 40	 00362 Page 41	 2020 Page 42	 2080 Page 42	 3015 Page 42	 3060 Page 43	 6000 Page 43	 2060 Page 43	 6060 Page 44
 6068 Page 44	 6300 Page 44	 6310 Page 44	 90825 Page 45	 90826 Page 45	Create the ultimate compressed air solution ORDER ONLINE infinitypipework.co.uk/Products			



SYSTEM PRODUCT PORTFOLIO

A high performance aluminium pipework system, easy to install and simple to extend or modify

Our pipework and fittings are perfect for use in air, vacuum, nitrogen generation and other inert gas applications. Constructed of non-corrosive, extruded aluminium, it has superior structural strength compared with traditional compressed air pipe materials.

Our simple push-in system has modular connections combined with lightweight tubing requiring less clips. It is fully adjustable and reusable making it

ideal for future expansion. Installing an Infinity system is made simple with a small range of easy to use tooling and accessories.

Benefit from off-the-shelf products available to order from stock at infinitypipework.co.uk/infinity-products or contact our experienced team to discuss project management, air system design or pipework installation at sales@infinitypipework.co.uk



INFINITE TIME SAVING

- Simple push in system
- Easy identification - colour coded piping
- Less clips - minimal expansion
- No need for swan necks - built-in **Zero Condensate Tee**
- Pre-greased fittings with O-rings

INFINITE QUALITY

- Internal and external corrosion-free coating
- Consistent air quality to every outlet
- 10 year warranty on Infinity pipework and fittings
- Minimal expansion - no sag or bow
- Total metal system

INFINITE ENERGY SAVING

- Extremely low pressure drop
- Reduced energy costs due to smooth air flow
- Efficient condensate removal
- Range of pipe diameters from Ø20mm - Ø168mm for optimum system efficiency

INTRODUCTION

ZERO CONDENSATE REDUCING TEE

One of the technologically advanced features of the Infinity system is the **Patented Zero Condensate Reducing Tee**

The efficient internal system of the Infinity Zero Condensate Tee 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 Infinity Zero Condensate Tee provides the advantage of automatically reducing the size of the ring main to a smaller drop leg diameter. The internal geometric shape of the Infinity Zero Condensate

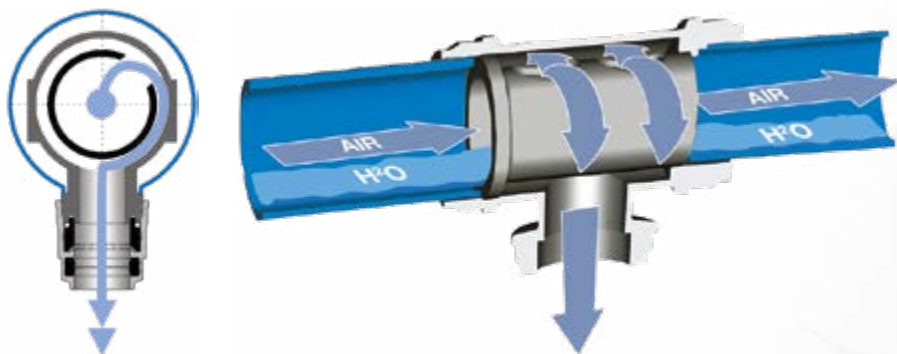
Reducing Tee means it can be used vertically or horizontally and the internal barrel may be rotated 360° for off-shoot lines.

Additionally, in many cases the Zero Condensate Tee may replace a coupler when placed appropriately.

Designed specifically for compressed air distribution, the Infinity Zero Condensate Tee causes no laminar turbulence, ensuring consistent flow and pressure throughout the system.

BENEFITS

- Eliminates the need for a conventional swan neck fitting
- Blocks condensate from reaching equipment
- Automatically reduces pipe size from ring main to drop leg
- Can be used vertically or horizontally (360° degree rotation)
- Can replace the need for a coupler
- No laminar turbulence ensures consistent air flow



The internal system ensures condensate stays within the ring main, allowing the air to reach its destination without damaging your equipment.



INFINITY PIPEWORK EXPERTISE

From system design through to the build and completion process; our team is on hand to support your project.

Infinity Pipework has over 20 years of experience working in the compressed air technologies industry. Our products and services are provided to M&E contractors, OEMs, installers and designers nationwide.

Need support with your design? We can help!

Using the Infinity Air Planner tool our consultant team will recommend the

most effective and suitable air system layout for your specific needs and application. The successful, ongoing performance of your air system requires the correct design from the very beginning. Whether your requirement is a modification or a new installation, we can help.

Get in touch with our team today:
sales@infinitypipework.co.uk



DESIGN

- Full turn-key system design
- Layout of system from compressor to point of use
- Pipework sizing and pressure drop calculations
- BIM compatible files on request

INSTALLATION

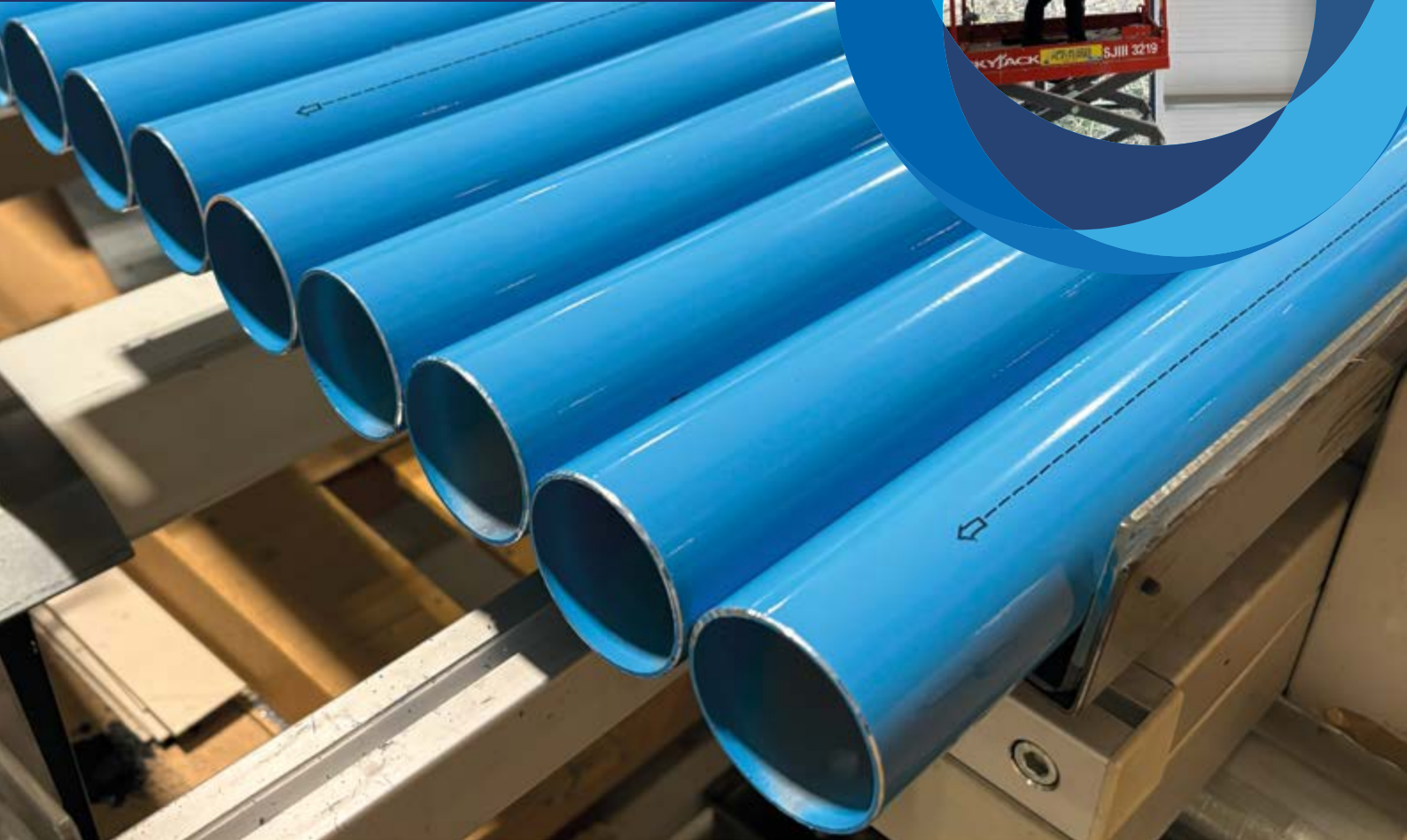
- Guidance on correct Infinity Pipework assembling techniques
- Infinity Pipework assembling literature
- Infinity Pipework assembling videos

ACCREDITATION & CERTIFICATION

Our registration with the Achilles UVDB enables us to provide product and service solutions to the utilities sector.

ALUMINIUM PIPING

Take advantage of our aluminium piping's larger bore size compared to same OD alternatives.

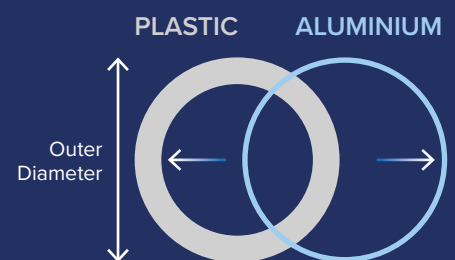


SIZE FOR SIZE, THERE IS NO COMPARISON

When you compare the internal diameter of the Infinity aluminium pipework system with galvanised and plastic pipe of the same outside diameter, you will find there is one big advantage - **air flow**.

The thinner wall translates to a much larger internal diameter, providing on average a **23% increase in air flow**.

In fact, aluminium bore size is so much larger that, in most cases you can use the next size down of Infinity pipework and achieve the same or better flow as plastic. This enables considerable economic impact both in material costs as well as ongoing running costs.



PIPING COLOURS

 AZ LIGHT BLUE

 BL BLUE

 GR GREY

 VE GREEN



90000AZ (4m)

RAL5012

Code	Ø mm	Thickness mm	Pressures bar	Weight g/m	Length m	Pack
90000AZ 20	20	1.5	16	235	4 m	8
90000AZ 25	25	1.5	16	298	4 m	8
90000AZ 32	32	1.5	16	387	4 m	9
90000AZ 40	40	1.5	16	490	4 m	9



90000 (4m)

RAL5010

Code	Ø mm	Thickness mm	Pressures bar	Weight g/m	Length m	Pack
90000 20	20	1.5	16	235	4 m	8
90000 25	25	1.5	16	298	4 m	8
90000 32	32	1.5	16	387	4 m	9
90000 40	40	1.5	16	490	4 m	9
90000 50	50	2	16	814	4 m	4
90000 63	63	2	16	1034	4 m	4
90000 80	80	2	16	1283	4 m	2
90000 110	110	2.5	16	2280	4 m	2



90000GR (4m)

RAL7035

Code	Ø mm	Thickness mm	Pressures bar	Weight g/m	Length m	Pack
90000GR 20	20	1.5	16	235	4 m	8
90000GR 25	25	1.5	16	298	4 m	8
90000GR 32	32	1.5	16	387	4 m	9
90000GR 40	40	1.5	16	490	4 m	9
90000GR 50	50	2	16	814	4 m	4
90000GR 63	63	2	16	1034	4 m	4
90000GR 80	80	2	16	1283	4 m	2
90000GR 110	110	2.5	16	2280	4 m	2

ALUMINIUM PIPING

PIPING COLOURS

 AZ LIGHT BLUE

 BL BLUE

 GR GREY

 VE GREEN



9000060AZ (6m)

RAL5012

Code	Ø mm	Thickness mm	Pressures bar	Weight g/m	Length m	Pack
9000060AZ 20	20	1.5	16	235	6 m	8
9000060AZ 25	25	1.5	16	298	6 m	8
9000060AZ 32	32	1.5	16	387	6 m	9
9000060AZ 40	40	1.5	16	490	6 m	4
9000060AZ 50	50	2	16	814	6 m	4
9000060AZ 63	63	2	16	1034	6 m	2
9000060AZ 80	80	2	16	1283	6 m	2
9000060AZ 110	110	2.5	16	2280	6 m	1
9000060GR 168	168	4	16	5700	6 m	1



9000060 (6m)

RAL5010

Code	Ø mm	Thickness mm	Pressures bar	Weight g/m	Length m	Pack
9000060 20	20	1.5	16	235	6 m	8
9000060 25	25	1.5	16	298	6 m	8
9000060 32	32	1.5	16	387	6 m	9
9000060 40	40	1.5	16	490	6 m	4
9000060 50	50	2	16	814	6 m	4
9000060 63	63	2	16	1034	6 m	2
9000060 80	80	2	16	1283	6 m	2
9000060 110	110	2.5	16	2280	6 m	1
9000060 168	168	4	16	5700	6 m	1



9000060GR (6m)

RAL7035

Code	Ø mm	Thickness mm	Pressures bar	Weight g/m	Length m	Pack
9000060GR 20	20	1.5	16	235	6 m	8
9000060GR 25	25	1.5	16	298	6 m	8
9000060GR 32	32	1.5	16	387	6 m	9
9000060GR 40	40	1.5	16	490	6 m	4
9000060GR 50	50	2	16	814	6 m	4
9000060GR 63	63	2	16	1034	6 m	2
9000060GR 80	80	2	16	1283	6 m	2
9000060GR 110	110	2.5	16	2280	6 m	1
9000060GR 168	168	4	16	5700	6 m	1

PIPING COLOURS

 AZ LIGHT BLUE

 BL BLUE

 GR GREY

 VE GREEN



9000060VE (6m)

RAL6029

Code	Ø mm	Thickness mm	Pressures bar	Weight g/m	Length m	Pack
9000060VE 20	20	1.5	16	235	4 m	8
9000060VE 25	25	1.5	16	298	4 m	8
9000060VE 32	32	1.5	16	387	4 m	9
9000060VE 40	40	1.5	16	490	4 m	9
9000060VE 50	50	2	16	814	4 m	4
9000060VE 63	63	2	16	1034	4 m	4
9000060VE 80	80	2	16	1283	4 m	2
9000060VE 110	110	2.5	16	2280	4 m	2



REFERENCE STANDARD

1907/2006
REACH

2011/65/CE
RoHS

PED
2014/68/UE

SILICON
FREE



DIAMETER RANGE (MM)

Ø20 | Ø25 | Ø32 | Ø40 | Ø50 | Ø63
Ø80 | Ø110 | Ø168



PRESSURE RATING

0.99 bar (-0.099 MPa)
16 bar (1.6 MPa)



TEMPERATURE TOLERANCES

- 20 °C
+ 80 °C



TUBE CHARACTERISTICS

Extruded Aluminium	Designations UNI EN 573-3	Surface Treatment	Specific Weight	Expansion Coefficient
UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2	EN AW 6060 T6	Electrostatic Painting	2.70 kg/dm ³	0.024 mm/(m °C)



VACUUM RATING

0-28 Hg



FLUIDS

Compressed Air
Vacuum
Inert Gas (NITROGEN-ARGON)



THREADS

Flanged Tube (UNI EN 1092-4 PN 16) (ANSI 150-LB)
Female threads in conformity with ISO 228

AIR PIPE FITTINGS

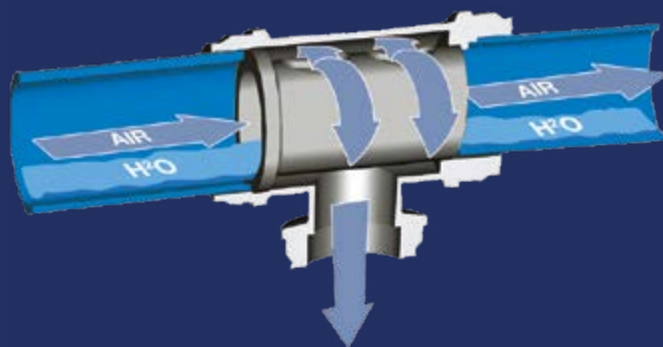
Infinity's all-metal push-in air pipe fittings offer the flexibility and ease of installation of a modular compressed air system.



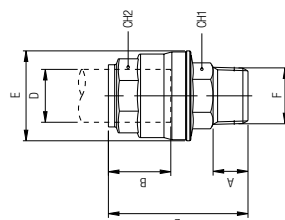
ZERO CONDENSATE REDUCING TEE

The efficient internal system of the Infinity Zero Condensate Tee 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. Benefits include:

- Eliminates the need for a conventional swan neck fitting
- Blocks condensate from reaching equipment
- Automatically reduces pipe size from ring main to drop leg
- Can be used vertically or horizontally (360° degree rotation)
- Can replace the need for a coupler
- No laminar turbulence ensures consistent air flow



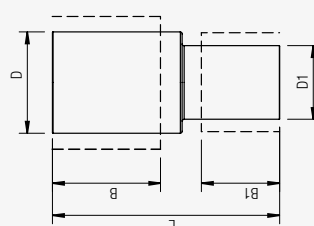
Notes:



90010

STRAIGHT MALE ADAPTOR

Code	D	F	A	B	E	L	CH1	CH2
90010 20 1/2	20	1/2	14	31.5	34.5	56	22	30
90010 20 3/4	20	3/4	16.5	31.5	34.5	61	22	30
90010 25 1/2	32	1/2	14	38.5	42.5	65	27	35
90010 25 3/4	25	3/4	16.5	38.5	42.5	66	27	35
90010 25 1	25	1	19	38.5	42.5	70.5	27	35
90010 32 1	32	1	19	46	52	76.5	34	45
90010 40 1	40	1	19	52	63	89.5	45	55
90010 40 1 1/4	40	1 1/4	21.5	52	63	89.5	45	55
90010 40 1 1/2	40	1 1/2	21.5	52	63	92	50	55
ALUMINIUM								
90010A 50 1	50	1	19	58.5	84	110.5	50	72
90010A 50 1 1/2	50	1 1/2	21.5	58.5	84	112.5	50	72
90010A 50 2	50	2	24	58.5	84	115.5	50	72
90010A 63 2	63	2	24	57.5	94	109.5	50	75
90010A 63 2 1/2	63	2 1/2	24	57.5	94	106.5	50	75



90012

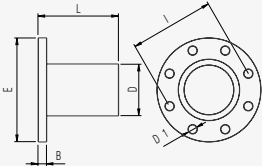
TUBE-TUBE REDUCER

Code	D	B	C	E	L
ALUMINIUM					
90012 80 50	80	50	91	63.5	167
90012 80 63	80	63	91	57.5	168
90012 110 80	110	80	125.5	91	247
90012 168 110	168	110	194	125.5	384

AIR PIPE FITTINGS

Notes:

90013
FLANGED TUBE

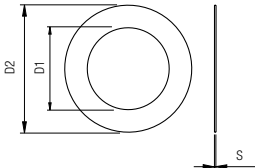




Code	D	B	C	E	F	DI	I
ALUMINIUM							
90013 80	80	25	20	200	130	131	18
90013 110	110	25	20	200	158	166	18
90013 168	168	27	22	285	216	266	22

Note: The connection dimensions of the flange are designed in conformity with standard UNI EN 1092 - 4 PN 16 (Flange made in aluminium alloy)

90017
FLAT GASKET FOR FLANGE





Code	D	DI	D2	S
90040 80	80	91	3.5	145
90040 110	110	125.5	4	200
90040 168	168	194	5	306

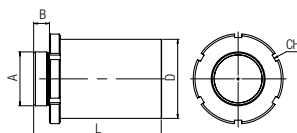
90019
FLANGE KIT (8 SCREWS + 8 NUTS + 16 WASHERS)



Code	Thread	Size
90019	20	31.5

Notes:

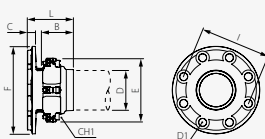
90020 TUBE - MALE REDUCER



Code	D	A	B	L	CH
ALUMINIUM					
90020 80 2 1/2	80	2 1/2	22	143	*100
90020 80 3	80	3	23	144	*100
90020 110 2 1/2	110	2 1/2	22	178	*125
90020 110 3	110	3	23	179	*125
90020 110 4	110	4	23	179	*125

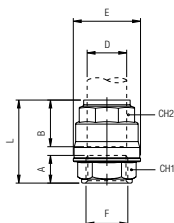
* Hook wrench dimensions

90023 FLANGED STRAIGHT MALE ADAPTOR



Code	D	B	C	E	F	L	DI	I	CH1
ALUMINIUM									
90023 80	80	91	3.5	145	200	105.2	18	160	6
90023 110	110	125.5	4	200	200	147.5	18	180	8

90030 STRAIGHT FEMALE ADAPTOR

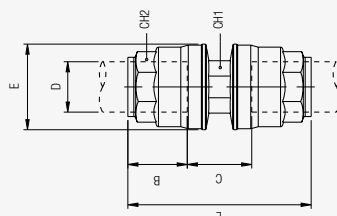


Code	D	F	A	B	E	L	CH	CH2
90030 20 1/2	20	1/2	15	31.5	34.5	49	24	30
90030 25 3/4	25	3/4	16.5	38.5	42.5	56.5	32	35
90030 32 1	32	1	9	46	52	66.5	38	45
90030 40 1 1/4	40	1 1/4	22	52	63	76	50	55

AIR PIPE FITTINGS

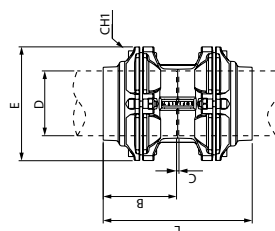
Notes:

90040 STRAIGHT CONNECTOR (Ø 20-25-32-40-50-63)



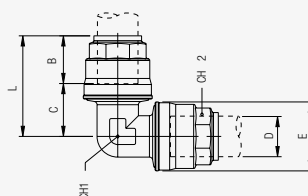
Code	D	B	C	E	L	CH1	CH2
90040 20	20	31.5	14.5	34.5	76.5	21	30
90040 25	25	38.5	13.5	42.5	90.5	26	35
90040 32	32	46	14.5	52	106.5	34	45
90040 40	40	52	21	63	125	41	55
ALUMINIUM							
90040A 50	50	58.5	59	84	175	59	72
90040A 63	63	57.5	44	94	159	73	75

90040 STRAIGHT CONNECTOR (Ø 80-110-168)



Code	D	B	C	E	L	CH1
ALUMINIUM						
90040 80	80	91	3.5	145	186	6
90040 110	110	125.5	4	200	255	8
90040 168	168	194	5	306	393	10

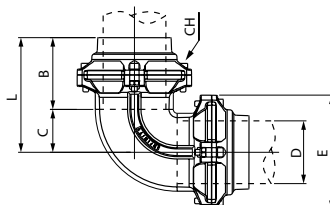
90130 ELBOW CONNECTOR (Ø 20-25-32-40-50-63)



Code	D	B	C	E	L	CH1	CH2
90130 20	20	31.5	19	34.5	51	21	30
90130 25	25	38.5	23	42.5	61.5	26	35
90130 32	32	46	28	52	74.5	34	45
90130 40	40	52	34	63	86.5	41	55
ALUMINIUM							
90130A 50	50	58.5	63	84	121.5	59	72
90130A 63	63	57.5	55.5	94	113	73	75

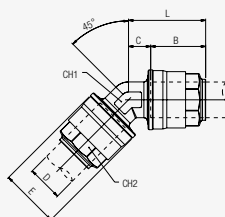
Notes:

90130 ELBOW CONNECTOR (Ø 80-110-168)



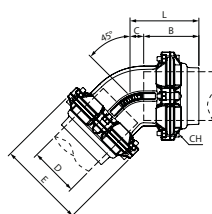
Code	D	B	C	E	L	CH
ALUMINIUM						
90130A 80	80	91	54.5	145	146	6
90130A 110	110	125.5	75	200	200.5	8
90130A 168	168	194	81.5	306	393	10

90140 45° CONNECTOR (Ø 20-25-32-40-50-63)



Code	D	B	C	E	L	CH1	CH2
90140 20	20	31.5	21.5	34.5	44	21	30
90140 25	25	38.5	13.5	42.5	52	26	35
90140 32	32	46	15	52	61	34	45
90140 40	40	52	18	63	70	41	55
ALUMINIUM							
90140A 50	50	58.5	35.5	84	94	59	72
90140A 63	63	57.5	24	94	82	73	75

90140 45° CONNECTOR (Ø 80-110)

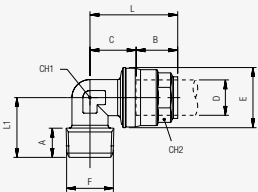


Code	D	B	C	E	L	CH
ALUMINIUM						
90140 80	80	91	22.5	145	114	6
90140 110	110	125.5	31	200	156.5	8

AIR PIPE FITTINGS

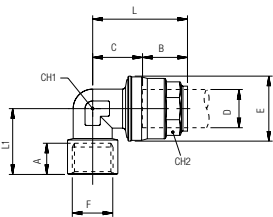
Notes:

90150 ELBOW CONNECTOR MALE - TUBE



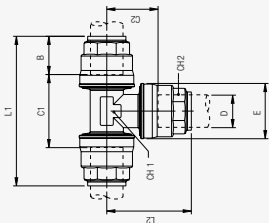
Code	D	F	A	B	C	E	L	L1	CH	CH1
90150 20 1/2	20	1/2	14	31.5	19	34.5	51	32	21	30
90150 25 3/4	25	3/4	16.5	38.5	23	42.5	61.5	37	26	35
90150 32 1	32	1"	19	46	28	52	74.5	49	34	45
90150 40 1 1/4	40	1 1/4"	21.5	52	34	63	86.5	54	41	55

90160 ELBOW CONNECTOR FEMALE - TUBE



Code	D	F	A	B	C	E	L	L1	CH	CH1
90160 20 1/2	20	1/2	13	31.5	19	34.5	51	34.5	21	30
90160 25 3/4	25	3/4	14.5	38.5	23	42.5	61.5	38.5	26	35
90160 32 1	32	1"	16.5	46	28	52	74.5	47.5	34	45
90160 40 1 1/4	40	1 1/4"	20	52	34	63	86.5	56.5	41	55

90230 TEE CONNECTOR (Ø 20-25-32-40-50-63)

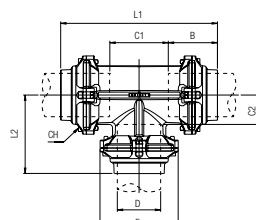


Code	D	E	B	C1	C2	L1	L2	CH1	CH2
90230 20	20	34.5	31.5	34.5	22.5	98	54.5	21	30
90230 25	25	42.5	38.5	37.5	26	113.5	65	26	35
90230 32	32	52	46	46.5	31.5	138.5	77	34	45
90230 40	40	63	52	55.5	38	159.5	90	41	55
ALUMINIUM									
90230A 50	50	84	58.5	126	79	243	122	40.5	72
90230A 63	63	94	57.5	111	55.5	226	113	73	75

Notes:

90230

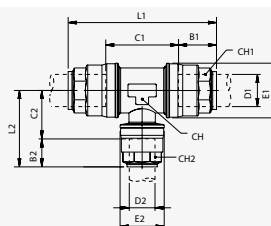
TEE CONNECTOR (Ø 80-110-168)



Code	D	E	B	C1	C2	L1	L2	CH
ALUMINIUM								
90230 80	80	145	91	109	54.5	291.5	138	6
90230 110	110	200	125.5	150.5	75	401	200.5	8
90230 168	168	306	194	235	117.5	623	311.5	10

90235

REDUCING TEE C/W WATER TRAP



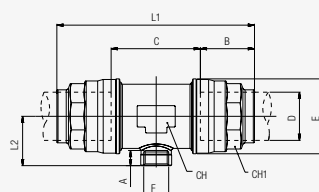
Code	D1	D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2
90235 20 20	20	20	31.5	31.5	8	22.5	34.5	34.5	109	54	28	30	30
90235 25 20	25	20	38.5	31.5	45.5	27.5	42.5	34.5	121.5	59	35	35	30
90235 32 20	32	20	46	31.5	54.5	31.5	52	34.5	146.5	63	45	45	30
90235 32 25	32	25	46	38	54.5	31.5	52	42.5	146.5	70	45	45	35
90235 40 20	40	20	52.5	31.5	60	34.5	63	34.5	165.5	66	55	55	30
90235 40 25	40	25	52.5	38	60	34.5	63	42.5	165.5	73	55	55	35
ALUMINIUM													
90235A 50 20	50	20	58.5	33	105	57	84	40	222	90	69	72	30
90235A 50 25	50	25	58.5	41	105	57	84	49	222	98	69	72	35
90235A 50 32	50	32	58.5	45	105	57	84	58	222	102	69	72	45
90235A 63 20	63	20	57.5	33	87.5	64.5	94	40	205.5	97	80	75	30
90235A 63 25	63	25	57.5	41	87.5	64.5	94	49	205.5	105	80	75	35
90235A 63 32	63	32	57.5	45	87.5	64.5	94	58	205.5	112	80	75	45

AIR PIPE FITTINGS

Notes:

90236

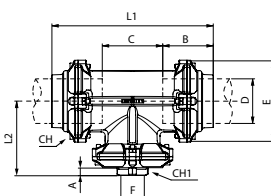
REDUCING TEE C/W WATER
TRAP - BSP FEMALE



Code	D	F	A	B	C	E	L1	L2	CH	CH1
90236 20 3/8	20	3/8	11	31.5	48	34.5	109	25	28	30
90236 20 1/2	20	1/2	13.5	31.5	48	34.5	109	28	28	30
90236 25 3/8	25	3/8	11	38.5	45.5	42.5	121.5	29	35	35
90236 25 1/2	25	1/2	13.5	38.5	45.5	42.5	121.5	31	35	35
90236 32 1/2	32	1/2	13.5	46	54.5	52	146.5	36.5	45	45
90236 40 1/2	40	1/2	13.5	52.5	60	63	165.5	41.5	55	55
ALUMINIUM										
90236A 50 1/2	50	1/2	13.5	58.5	105	84	222	53	69	72
90236A 50 3/4	50	3/4	14.5	58.5	105	84	222	53	69	72
90236A 50 1	50	1	17.5	58.5	105	84	222	53	69	72
90236A 63 1/2	63	1/2	13.5	57.5	88	94	203	53	80	75
90236A 63 3/4	63	3/4	14.5	57.5	88	94	203	54	80	75
90236A 63 1	63	1	17.5	57.5	88	94	203	56.5	80	75

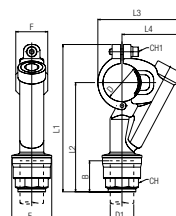
90236

FEMALE FITTING FOR OUTLET
(Ø 80-110-168)



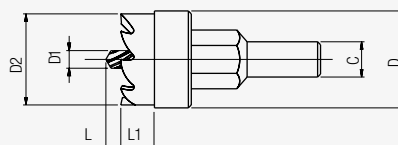
Code	D	F	A	B	C	E	L1	L2	CH	CH1
ALUMINIUM										
90236 80 3/4	80	3/4	14.5	91	109	145	291.5	138	6	42
90236 80 1	80	1	17	91	109	145	291.5	138	6	49
90236 80 1 1/2	80	1 1/2	20	91	109	145	291.5	138	6	66
90236 80 2	80	2	22	91	109	145	291.5	138	6	80
90236 110 3/4	110	3/4	14.5	125.5	150.5	200	401	180	8	42
90236 110 1	110	1	17	125.5	150.5	200	401	180	8	49
90236 110 1 1/2	110	1 1/2	20	125.5	150.5	200	401	180	8	66
90236 110 2	110	2	22	125.5	150.5	200	401	180	8	80
90236 110 3	110	3	24	125.5	150.5	200	401	187.5	8	120
90236 168 3/4	168	3/4	14.5	194	235	306	623	275	10	41.5
90236 168 1	168	1	17	194	235	306	623	277	10	48
90236 168 2	168	2	22	194	235	306	623	277	10	78
90236 168 3	168	3	24	194	235	306	623	277	10	119
90236 168 4	168	4	24	194	235	306	623	286	10	124

Notes:



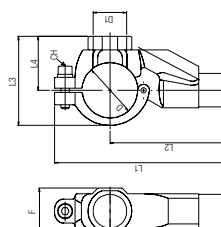
90240 SADDLE CLAMP CONNECTOR

Code	D	D1	B	E	F	L1	L2	L3	L4	CH	CH1
90240 32 20	32	20	31.5	34.5	34	136.5	100.5	78	57	30	5
90240 32 25	32	25	38.5	42.5	34	144.5	108.5	78	57	35	5
90240 40 20	40	20	31.5	34.5	34	148.5	108	89.5	64	30	5
90240 40 25	40	25	38.5	42.5	34	156.5	116	89.5	64	35	5
90240 50 20	50	20	31.5	34.5	42.5	167.5	118.5	105.5	74	30	6
90240 50 25	50	25	38.5	42.5	42.5	175.5	126.5	105.5	74	35	6
90240 63 20	63	20	31.5	34.5	42.5	185	130	119	81	30	6
90240 63 25	63	25	38.5	42.5	42.5	193	138	119	81	35	6



90241 TOOL FOR SADDLE CLAMP CONNECTOR

Code	D	D	D1	D2	L	L1
90241 25	9	17.5	6	17	3	10
90241 32 40	9	24	6	23.5	3	10
90241 50 63	9	31	6	30.5	3	9
90241 168	10	41	6	40.5	3	13



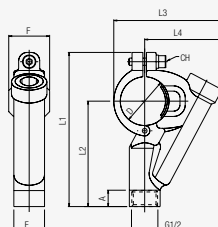
90242 DRILLING JIG

Code	D	D1	F	L1	L2	L3	L4	CH
90242 32	32	24.5	34	115	79	56	35	5
90242 40	40	24.5	34	127	86.5	65	39.5	5
90242 50	50	32	42.5	146	97	79	47.5	6
90242 63	63	32	42.5	163.5	108.5	93	55	6

AIR PIPE FITTINGS

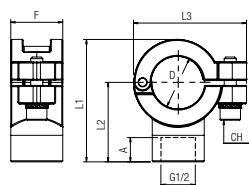
Notes:

90246 FEMALE THREAD SADDLE CLAMP CONNECTOR



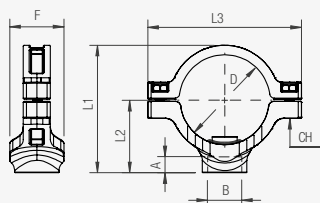
Code	D	G	A	E	F	L1	L2	L3	L4	CH
90246 32 1/2	32	1/2	13	25.5	34	115	79	78	57	5
90246 40 1/2	40	1/2	13	25.5	34	125.5	85	89.5	64	5
90246 50 1/2	50	1/2	13	25.5	42.5	144.5	95.5	105.5	74	6
90246 63 1/2	63	1/2	13	25.5	42.5	162	107	119	81	6

90247 FEMALE SADDLE CLAMP CONNECTOR (Ø 25-32-40-50-63)



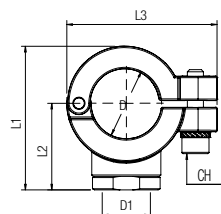
Code	D	F	A	B	C	E	L1	L2
90247 25 1/2	25	1/2	15	25.5	50	39	55.5	5
90247 32 1/2	32	1/2	15	34	63.5	42.5	61.5	5
90247 40 1/2	40	1/2	15	34	71	46	70	5
90247 50 1/2	50	1/2	15	42.5	83.5	52	84.5	6
90247 63 1/2	63	1/2	15	42.5	95.5	57.5	97	6

90247 FEMALE SADDLE CLAMP CONNECTOR (Ø 80-110-168)



Code	D	F	A	B	C	E	L1	L2
90247 80 3/4	80	3/4	16.5	50	117.5	66.5	141.5	6
90247 80 1	80	1	19	50	120	69	141.5	6
90247 110 3/4	110	3/4	16.5	50	152.5	82	189.5	8
90247 110 1	110	1	19	50	155	84.5	189.5	8
90247 110 2	110	2	22	71	165	94	189.5	8
90247 168 1	168	1	19	52	213	114	249	8
90247 168 1 1/2	168	1-1/2	19	74	223	124	249	8
90247 168 2	168	2	22	74	223	124	249	8
90247 168 3/4	168	3/4	16.5	52	213	114	249	8

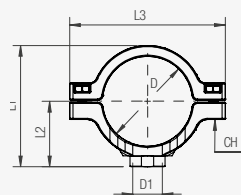
Notes:



90249

DRILLING JIG (Ø 80-110-168)

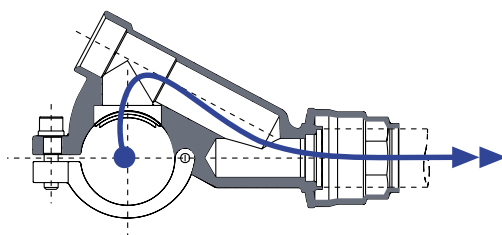
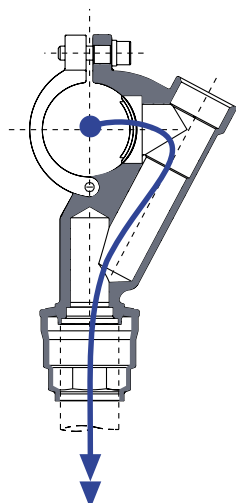
Code	D	D1	F	L1	L2	L3	CH
90249 25	25	17.8	25.5	53	32	55.5	5
90249 32	32	24.5	34	56	35	61.5	5
90249 40	40	24.5	34	65	40	70	5
90249 50	50	32	42.5	79	47.5	84.5	6
90249 63	63	32	42.5	93	55	97	6



90249

DRILLING JIG (Ø 80-110-168)

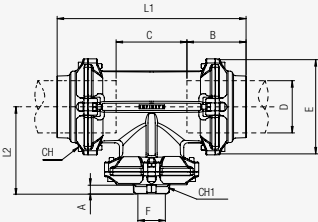
Code	D	D1	F	L1	L2	L3	CH
90249 80	80	24.5	50	110.5	59.5	141.5	6
90249 110	110	24.5	50	135.5	64.5	189.5	8
90249 110 2	110 2	41.5	71	147	77	189.5	8
9024900010	168 3/4 - 168 1	24.5	52	201.5	102.5	248.5	8
9024900009	168 1 1/2 - 168 2	41.5	74	204.5	105.5	248.5	8



AIR PIPE FITTINGS

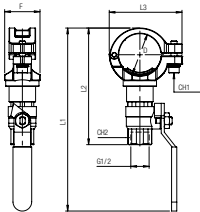
Notes:

90250 FEMALE FITTING WITH CONDENSATE DRAIN OUTLET (Ø 80-110-168)



Code	D	F	A	B	C	E	L1	L2	CH	CH1
ALUMINIUM										
90250A 63 1/2	63	1/2	13.5	57.5	88	94	203	53	80	75
90250 80 3/4	80	3/4	14.5	91	109	145	291.5	138	6	42
90250 110 3/4	110	3/4	14.5	125.5	150.5	200	401	180	8	42

90253 SADDLE CLAMP WITH VALVE (HOT TAP)

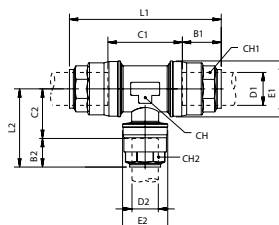


Code	D	G	F	L1	L2	L3	CH1	CH2
90253 25 1/2	25	1/2	25.5	161	97.5	55.5	5	25
90253 32 1/2	32	1/2	34	168	104	61.5	5	25
90253 40 1/2	40	1/2	34	176	112	70	5	25
90253 50 1/2	50	1/2	42.5	188	125	84.5	6	25
90253 63 1/2	63	1/2	42.5	200	137	97	6	25

Notes:

90259

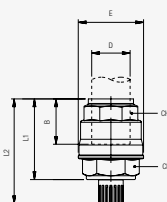
FITTING WITH CONDENSATE OUTLET



Code	D1	D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2
90259 20 20	20	20	31.5	34.5	22.5	34.5	34.5	98	54.5	21	30	30	30
90259 25 20	25	20	46	31.5	54.5	31.5	34.5	34.5	146.5	63	45	45	30
90259 32 20	32	20	46	38	54.5	31.5	42.5	42.5	146.5	70	45	45	35
90259 40 20	40	20	52.5	31.5	60	34.5	34.5	34.5	165.5	66	55	55	30
ALUMINIUM													
90259A 50 20	50	20	58.5	33	105	57	84	40	222	90	69	72	30
90259A 63 20	63	20	57.5	33	87.5	64.5	94	40	205.5	97	80	75	30

90260

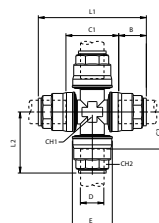
FITTING WITH CONDENSATE EXHAUST



Code	D	B	E	L1	L2	CH1	CH2
90260 20	20	36	34.5	52.5	67	32	30

90300

INTERMEDIATE CROSS FITTING

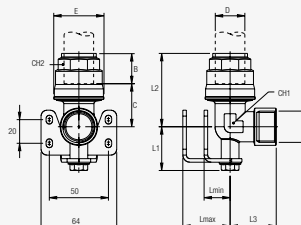


Code	D	E	B	C1	C2	L1	L2	CH1	CH2
90300 20	20	34.5	31.5	34.5	22.5	98	54.5	21	30
90300 25	25	42.5	38.5	37.5	26	113.5	65	26	35
90300 32	32	52	46	46.5	31.5	138.5	77	34	45

AIR PIPE FITTINGS

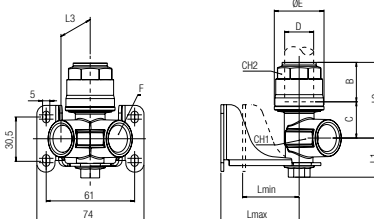
Notes:

90600 SINGLE OUTLET BRACKET FITTING (Ø 20-25-32)



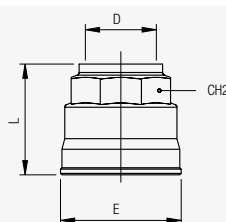
Code	D	F	B	C	E	L1	L2	L3	Lmax	Lmin	CH1	CH2
90600 20 1/2	20	1/2	31.5	19.5	34.5	35	51	35	40	22	21	30
90600 25 3/4	25	3/4	38.5	23	42.5	37	62	39	40	22	26	35
90600 32 1	32	1	46	28	52	41	74.5	48.5	40	26	34	45

90602 DOUBLE OUTLET BRACKET FITTING (Ø 20-25)



Code	D	F	B	C	E	I	L1	L2	Lmax	Lmin	CH1	CH2
90602 20 1/2	20	1/2	31.5	20	34.5	28.5	27	51.5	54	22	26	30
90602 25 1/2	25	1/2	38.5	21	42.5	28.5	27	59	54	22	26	35

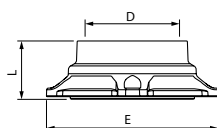
90610 PLUG (Ø 20-25-32-40-50-63)



Code	D	L	E	CH2
90610 20	20	33	34.5	30
90610 25	25	39	42.5	35
90610 32	32	46.5	52	45
90610 40	40	53	63	55
ALUMINIUM				
90610A 50	50	73.5	84	72
90610A 63	63	64	94	75

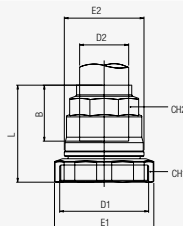
Notes:

90610 PLUG (Ø 80-110-168)



Code	D	L	E
90610 80	80	49.5	145
90610 110	110	68	200
90610 168	168	85	306

90620 REDUCER (Ø 20-25-32-40-50-63)



Code	D1	D2	B	E1	E2	L	CH1	CH2
90620 25 20	25	20	31.5	43.5	34.5	48	42	30
90620 32 20	32	20	31.5	54	34.5	48.5	52	30
90620 32 25	32	25	38.5	54	42.5	55	52	35
90620 40 20	40	20	31.5	65	34.5	50	63	30
90620 40 25	40	25	38.5	65	42.5	56.5	63	35
90620 40 32	40	32	46	65	52	63.5	63	45
ALUMINIUM								
90620A 50 25	50	25	41	90	49	80	80	35
90620A 50 32	50	32	45	90	58	84	80	45
90620A 63 40	63	40	52	95	63	84.5	92	55
90620A 63 50	63	50	63.5	95	73	92.5	92	65

Assembling 90620

1. Remove the nut
2. Mount Reducer 90620
3. Torque specifications

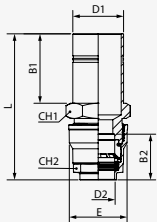


3	Ø mm	Torque specifications
	20	3 Nm (26 In - lbs)
	25	3 Nm (26 In - lbs)
	32	4 Nm (35 In - lbs)
	40	6.5 Nm (58 In - lbs)
	50	75 Nm (55 ft - lbs)
	63	85 Nm (63 ft - lbs)
ALUMINIUM		
	50	45 Nm (55 ft - lbs)
	63	85 Nm (63 ft - lbs)

AIR PIPE FITTINGS

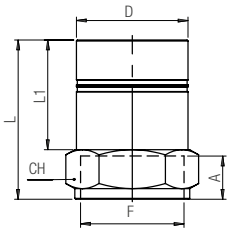
Notes:

90621 STEM REDUCER (Ø 50-63)



Code	D1	D2	B	E1	E2	L	CH1	CH2
ALUMINIUM								
90621A 50 25	50	25	68.5	40.5	49	140	55	35
90621A 50 32	50	32	68.5	45	58	144	55	45
90621A 50 40	50	40	68.5	52	63	139	65	55
90621A 63 25	63	25	62	40.5	49	133.5	65	35
90621A 63 32	63	32	62	45	58	137	65	45
90621A 63 40	63	40	62	52	63	133.5	65	55

90625 FEMALE STEM ADAPTOR (Ø 50-63)

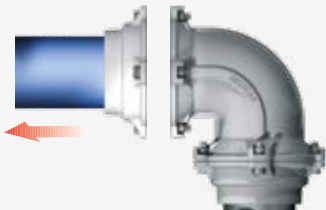


Code	D	F	A	L	L1	CH
ALUMINIUM						
90625A 50 1 1/2	50	1 1/2	20	83	61	55
90625A 63 1 1/2	63	1 1/2	20	84	62	65
90625A 63 2	63	2	22	90	62	65

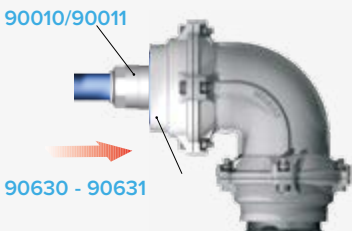
Assembling 90630

1. Remove the flange
2. Mount 90630 & 90010/90011

1



2

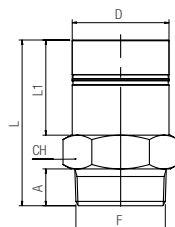


Notes:

90627

MALE STEM ADAPTOR

(Ø 20-25-32-40-50-63)

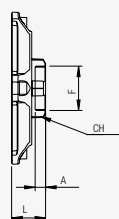


Code	D	F	A	L	L1	CH
90627 20 1/2	20	1/2	14	56	35	22
90627 20 3/4	20	3/4	16.5	59.5	35	27
90627 25 1/2	25	1/2	14	64	42	27
90627 25 3/4	25	3/4	16.5	66.5	42	27
90627 25 1	25	1	19	71	42	34
90627 32 1	32	1	19	80	51	34
ALUMINIUM						
90627A 32 1 1/2	32	1 1/2	21.5	87.5	51	50
90627A 40 1 1/2	40	1 1/2	21.5	92	55.5	50
90627A 50 1 1/2	50	1 1/2	21.5	105	68.5	55
90627A 50 2	50	2	24	112.5	68.5	65
90627A 63 2	63	2	24	108	62	65
90627A 63 2 1/2	63	2 1/2	24	128	82	75

90630

BSPF FEMALE REDUCER

(Ø 80-110-168)

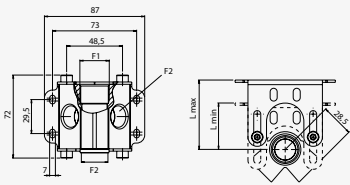


Code	D	A	B	L	CH
ALUMINIUM					
90630 80 3/4	80	3/4	14.5	42	42
90630 80 1	80	1	17	42	49
90630 80 1 1/2	80	1 1/2	20	42	66
90630 80 2	80	2	22	42	80
90630 110 3/4	110	3/4	14.5	48	42
90630 110 1	110	1	17	48	49
90630 110 1 1/2	110	1 1/2	20	48	66
90630 110 2	110	2	22	48	80
90630 110 3	110	3	24	51.5	120
90630 168 3/4	168	3/4	14.5	99.5	42
90630 168 1	168	1	17	102	49
90630 168 2	168	2	22	102	80
90630 168 3	168	3	24	108.5	120
90630 168 4	168	4	24	110	145

AIR PIPE FITTINGS

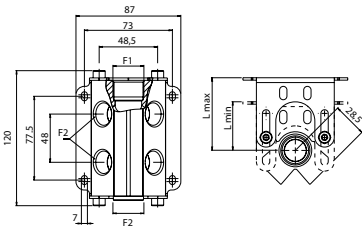
Notes:

90642 2 WAY MANIFOLD



Code	F1	F2	No.	Lmax	Lmin
90642 1/2 1/2 2	1/2	1/2	2	60	35
90642 3/4 1/2 2	3/4	1/2	2	60	35

90644 4 WAY MANIFOLD



Code	F1	F2	No.	Lmax	Lmin
90644 1/2 1/2 4	1/2	1/2	4	60	35
90644 3/4 1/2 4	3/4	1/2	4	60	35

APPLICATION EXAMPLES

90642
90720
6310
661



90642
90010
6310
191



90642
90010
191



90644
90720
6310
661



90644
90010
6310
191



90644
90010
6310
191

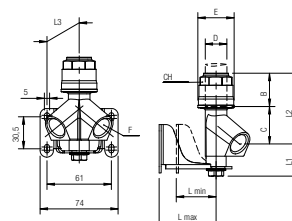


Notes:

90660

2 WAY TUBE MANIFOLD

FEMALE

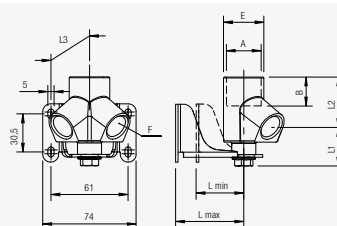


Code	D	F	B	C	E	L1	L2	L3	Lmax	Lmin	CH
90660 20 1/2	20	1/2	31.5	34.5	34.5	31	66	37.5	54	22	30
90660 25 1/2	25	1/2	38.5	33	42.5	31	71.5	37.5	54	22	35

90662

2 WAY TUBE MANIFOLD

FEMALE

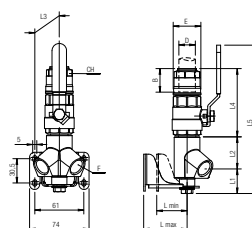


Code	A	F	B	E	L1	L2	L3	Lmax	Lmin
90662 1/2 1/2	1/2	1/2	13	32	31	40.5	37.5	54	22
90662 3/4 1/2	3/4	1/2	16.5	32	31	39	37.5	54	22

90664

2 WAY BALL VALVE MANIFOLD

FEMALE



Code	D	F	B	E	L1	L2	L3	L4	L5	Lmax	Lmin	CH
90664 20 1/2	20	1/2	31.5	34.5	31	40.5	37.5	84.5	184	54	22	30
90664 25 1/2	25	1/2	38.5	42.5	31	39	37.5	101.5	209	54	22	35

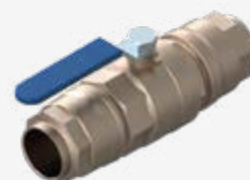
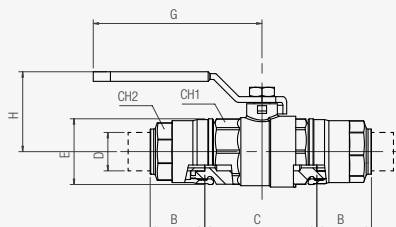
AIR PIPE FITTINGS

Notes:

90700

BALL VALVE

(Ø 20-25-32-40-50-63)

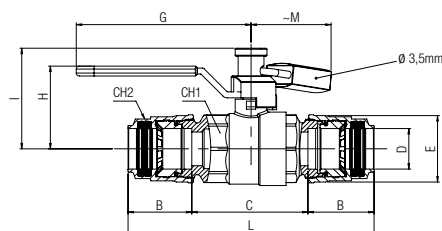


Code	D	DN	B	C	E	L	CH1	CH2	G	H
90700 20	20	17	31.5	58.5	34.5	121.5	32	30	88	42
90700 25	25	22	38.5	61.5	42.5	138.5	41	35	106	47.5
90700 32	32	29	46	75	52	167	50	45	106	53
90700 40	40	37	52.5	81	63	186	59	55	134	65
ALUMINIUM										
90700A 50	50	46	65	115	84	245	69	74	134	72.5
90700A 63	63	59	57.5	126	94	232	89	75	240	111.5

90705

LOCKABLE BALL VALVE

(Ø 20-25-32-40-50)



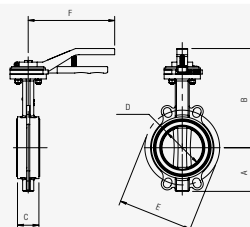
Code	D	DN	B	C	E	L	CH1	CH2	G	H	I	M
90705 20	20	17	31.5	58.5	34.5	121.5	32	30	88	42	50.7	45
90705 25	25	22	38.5	61.5	42.5	138.5	41	35	106	47.5	59.5	45
90705 32	32	29	46	75	52	167	50	45	106	53	65	45
90705 40	40	37	52.5	81	63	186	59	55	134	65	74.5	47
ALUMINIUM												
90705A 50	50	46	65	115	84	245	69	74	134	72.5	82	47

90710

BUTTERFLY VALVE

WITH SCREWS, NUTS & WASHERS

(Ø 80-110-168)

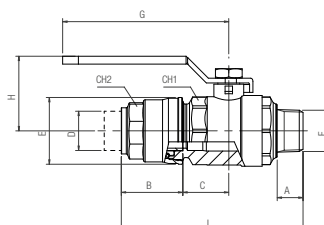


Code	D	DN	A	B	C	E	F
90710 80	80	77	87	216	46	160	265
90710 110	110	100	106	201	52	180	265
90710 168	168	150	126	202	56	240	265

Notes:

90720

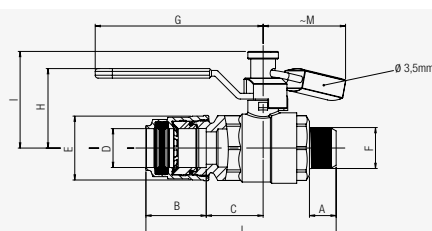
TUBE BALL VALVE MALE



Code	D	F	DN	A	B	C	E	L	CH1	CH2	G	H
90720 20 1/2	20	1/2	15	18	31.5	29.3	34.5	100.8	32	30	88	42
90720 25 3/4	25	3/4	20	18	38.5	30.8	42.5	119.3	41	35	106	47.5

90725

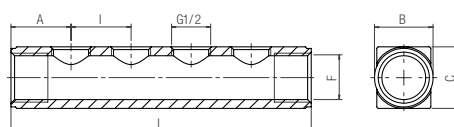
LOCKABLE TUBE BALL VALVE MALE



Code	D	F	DN	A	B	C	E	L	CH1	CH2	G	H	I	M
90725 20 1/2	20	1/2	15	18	31.5	29.3	34.5	100.8	32	30	88	42	50.7	45
90725 25 3/4	25	3/4	20	18	38.5	30.8	42.5	119.3	41	35	106	47.5	59.5	45

90790

4 PORT DISTRIBUTION MANIFOLD



Code	F	A	B	C	L	I	
9079000001	3/4	1/2	25	31	34	164	38
9079000002	1	1/2	30	37.5	37	174	38
9079000003	1 1/4	1/2	30	47	50	210	50

INSTALLATION TOOLING

Our range of tooling is as simple as the installation of an Infinity system.



SIMPLE BUT EFFECTIVE

The Infinity system has been designed to make connection easy for our self build customers.

Two simple installation tools are required to prepare your pipework: A pipe cutter and a de-burring tool. Our drilling and tubing diameter tools complement the minimal kit to make fitting your system a breeze.

Notes:



90252

DRILLING TOOL

Code	Dimensions
90252 00001	25-32-40-50-63

90870

PIPE CUTTER (Ø 63-110-168)



Code	Size
90870 20 63	20 - 63
90870 50 110	50 - 110
90870 110 168	110 - 168

Note: Replacement blades available for pipe cutter

90880

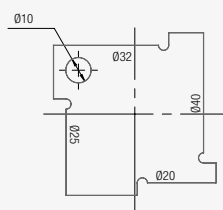
DE-BURRER (Ø 20-40)



Code	Size
90880 20 40	20 - 40

90885

TUBING DIAMETER TOOL



Code	Size
90885	20 - 25 - 32 - 40

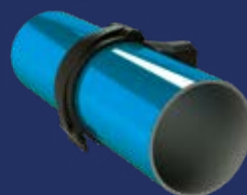
SYSTEM ACCESSORIES

Our compressed air system accessories provide all the equipment you require for the initial build and any ongoing operational support.



FIT FOR PURPOSE

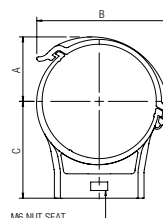
Our system accessories are designed to tailor fit the Infinity pipework range. Choose from clips, brackets & clamps, couplings, fittings and valves to blow guns and hose reels.



Notes:

90815

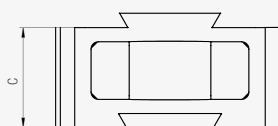
PIPE CLIP TECHNOPOLYMERIC (Ø 20-25-32-40-50-63)



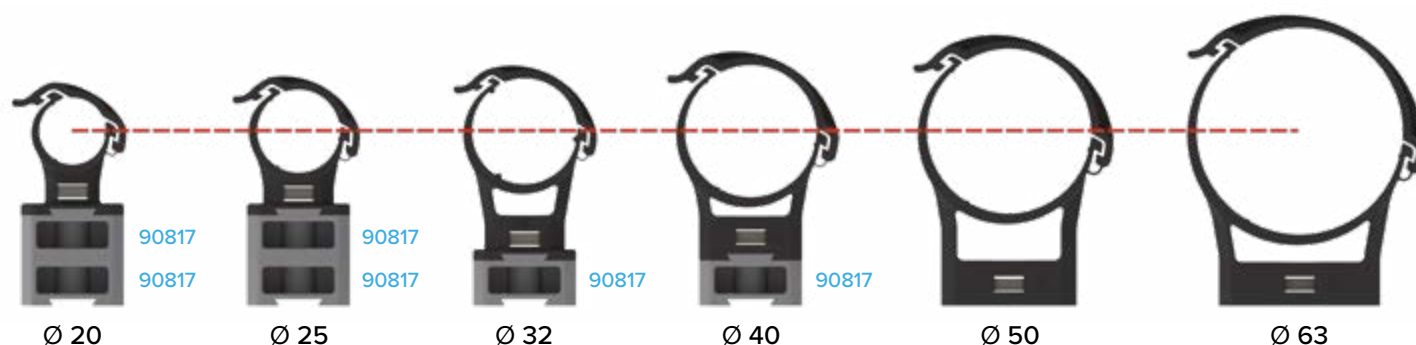
Code	Pipe Ø	A	B	C
90815 20	20	15	35.5	26
90815 25	25	17	39.5	26
90815 32	32	20	44.5	40
90815 40	40	24.5	53.5	40
90815 50	50	30	62	54
90815 63	63	36	73.5	54

90817

SPACER FOR PIPE CLIP TECHNOPOLYMERIC



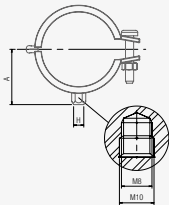
Code	C
90817	14



SYSTEM ACCESSORIES

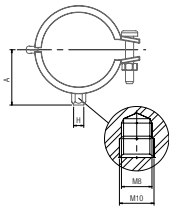
Notes:

90820 RUBBER-LINED METAL PIPE CLIP (Ø 20-25-32-40-50-63)



Code	Pipe Ø	H	A
90820 20	20	M8/M10	36
90820 25	25	M8/M10	38
90820 32	32	M8/M10	42
90820 40	40	M8/M10	47
90820 50	50	M8/M10	52
90820 63	63	M8/M10	56

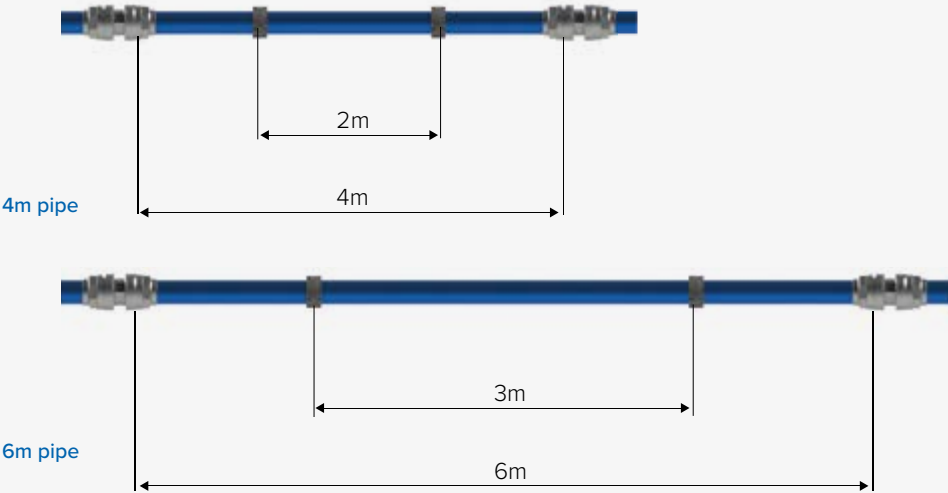
90820 RUBBER-LINED METAL PIPE CLIP (Ø 80-110-168)



Code	Pipe Ø	H	A
90820 80	80	M8/M10	64
90820 110	110	M8/M10	79
90820 168	168	M10/M12	114

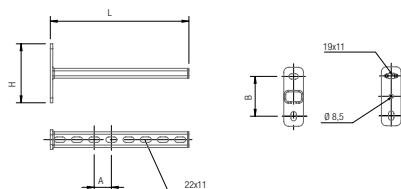
COLLAR POSITIONS ASSEMBLING 90820 PIPE CLIPS

- The installer must follow all the national and local codes for securing the piping system
- Recommended collar positioning to secure Infinity pipes illustrated (right)



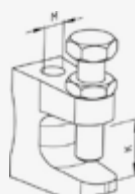
Notes:

90830 HANGING BRACKET



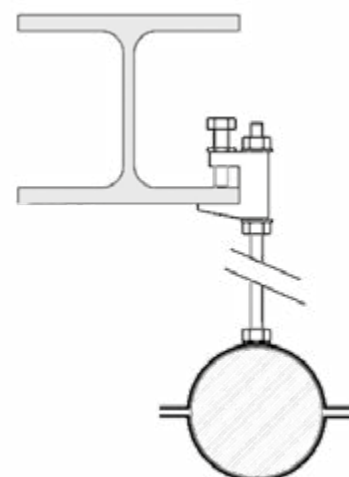
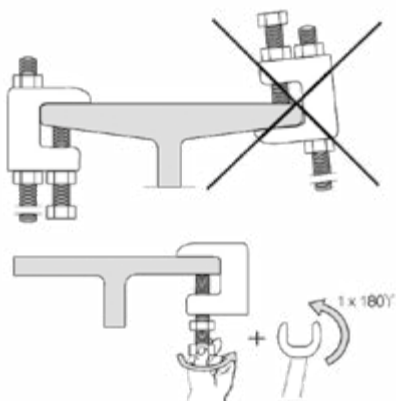
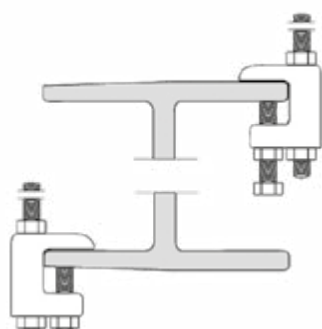
Code	A	B	H	L
90830	35	81	120	280

90860 GIRDER CLAMP (M10)



Code	M	K
90860	Ø 10mm	Int Ø 10mm

CLAMP POSITIONS ASSEMBLING 90860 GIRDER CLAMPS



SYSTEM ACCESSORIES

Notes:



261AC
EUROPEAN PROBE STEEL
MALE PLUG

Code	Size (inches)
261AC 1/4	1/4
261AC 3/8	3/8
261AC 1/2	1/2



262AC
EUROPEAN PROBE STEEL
FEMALE PLUG

Code	Size (inches)
262AC 1/4	1/4
262AC 3/8	3/8
262AC 1/2	1/2



265AC
EUROPEAN PROBE STEEL
WITH HOSETAIL

Code	Size (mm)
265AC 6	6
265AC 8	8
265AC 10	10
265AC 12	12

Notes:

661

EUROPEAN SAFETY COUPLING
BSP MALE SOCKET



Code	Size (inches)
661 1/4	1/4
661 3/8	3/8
661 1/2	1/2

662

EUROPEAN SAFETY COUPLING
BSP FEMALE SOCKET



Code	Size (inches)
662 1/4	1/4
662 3/8	3/8
662 1/2	1/2

665

EUROPEAN SAFETY COUPLING
WITH HOSETAIL



Code	Size (mm)	Size (mm)
665 6	6	6
665 8	8	8
665 10	10	10
665 12	12	12

SYSTEM ACCESSORIES

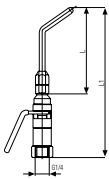
Notes:

OB161 EUROPEAN SAFETY COUPLING MALE PLUG



Code	Size (inches)
OB161 00 003	1/2

00304 METAL INLINE BLOW GUN SAFETY PIPE (90MM-200MM-290MM)



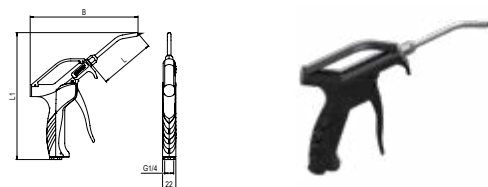
Code	L	L1
00304 90	90	163
00304 200	200	273
00304 290	290	363

00315 METAL BLOW GUN EXTENSION



Code	Size (mm)
0031500001	90
0031500002	200
0031500003	290

Notes:



00362

BLOWGUN WITH 90MM STAINLESS STEEL SAFETY PIPE

Code	L	L1	B
003620001	90	213.5	185.5
0036000001	(without stainless steel safety pipe)		



2003/10/CE

Max 85 dBA
8hr @ 6 bar
6hr @ 8 bar



OSHA 1910.95 (b)

Max 90 dB 8hr



OSHA 1910.242 (b)

Max 30 PSI (2.1 bar) when blocked



PRESSURE RATING

12 bar (1.2 MPa)



TEMPERATURE TOLERANCES

- 10 °C
+ 80 °C



AIR FLOW

383 NI/min @ 6 bar - 500 NI/min @ 8 bar



NOISE

LAeq 78 dBA @ 6 bar



NOISE

LAeq 84 dBA @ 8 bar



GRIP FORCE

19.8 N @ 6 bar



BLOWING FORCE

3.4 N @ 6 bar

SYSTEM ACCESSORIES

Notes:

2020 REDUCING NIPPLE (TAPER)



Code	Size (inches)	
2020 1/4 3/8	1/4	3/8
2020 1/4 1/2	1/4	1/2
2020 3/8 1/2	3/8	1/2
2020 1/2 3/4	1/2	3/4
2020 3/4 1	3/4	1

2080 REDUCER (TAPER)



Code	Size (inches)	
2080 1/4 1/8	1/4	1/8
2080 3/8 1/8	3/8	1/8
2080 1/2 1/8	1/2	1/8
2080 3/8 1/4	3/8	1/4
2080 1/2 1/4	1/2	1/4
2080 1/2 3/8	1/2	3/8
2080 3/4 3/8	3/4	3/8
2080 3/4 1/2	3/4	1/2
2080 1 1/2	1	1/2
2080 1 3/4	1	3/4
2080 1 1/4 1/2	1 1/4	1/2
2080 1 1/4 1	1 1/4	1
2080 1 1/2 1	1 1/2	1
2080 2 1	2	1

3015 MALE PLUG (PARALLEL)



Code	Size (inches)
3015 3/8	3/8
3015 1/2	1/2

Notes:

3060 FEMALE BULKHEAD



Code	Size (inches)
3060 1/8	1/8
3060 1/4	1/4
3060 3/8	3/8
3060 1/2	1/2

6000 CENTRAL MALE Y 90°



Code	Size (inches)
6000 3/8	3/8
6000 1/2	1/2

2060 TAPER NIPPLE (3 PIECES)



Code	Size (inches)
2060 1/8	1/8
2060 1/4	1/4
2060 3/8	3/8
2060 1/2	1/2
2060 3/4	3/4
2060 1	1

SYSTEM ACCESSORIES

Notes:

6060 SLIDE VALVE



Code	Size (inches)
6060 1/8	1/8
6060 1/4	1/4
6060 3/8	3/8
6060 1/2	1/2

6068 GAS BALL VALVE FEMALE TO FEMALE



Code	Size (inches)
6068 1/2	1/2
6068 3/4	3/4
6068 1	1
6068 1 1/4	1 1/4
6068 1 1/2	1 1/2
6068 2	2

6300 BALL VALVE FEMALE TO FEMALE



Code	Size (inches)
6300 1/8	1/8
6300 1/4	1/4
6300 3/8	3/8
6300 1/2	1/2
6300 3/4	3/4

6310 BALL VALVE MALE TO FEMALE



Code	Size (inches)
6310 1/8	1/8
6310 1/4 1/8	1/4 1/8
6310 1/4	1/4
6310 3/8	3/8
6310 1/2	1/2
6310 3/4	3/4

Notes:



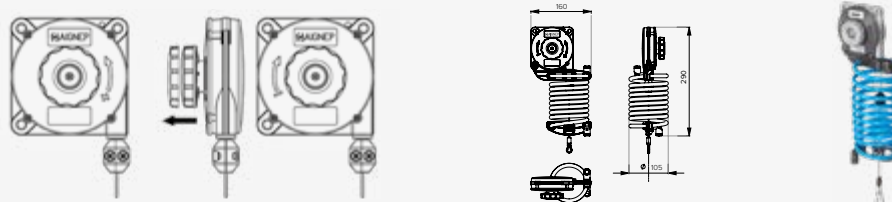
90825

HOSE REEL

	908250001	908250003
Polyurethane tube	Int Ø 8mm Ext Ø 12mm	Int Ø 10mm Ext Ø 14mm
Tube length	9+1m	15+1m
Maximum pressure	15 bar (1.5 MPa)	15 bar (1.5 MPa)
Temperature range	-5°C to +40°C	-5°C to +40°C
Outlet fitting	1/4M	3/8M
Inlet fitting	N/A	N/A
Cut down size tube	1.5m	1.5m
Air	SI	SI
6 bar flow rate	450 NI/min	610 NI/min
Pack dimensions	390x330x230mm 4.5kg	500x450x255mm 8.0kg

ATTACHMENTS

- Metal swivel fixing bracket
- Automatic device to stop tube at chosen length. This device is easy to disconnect whenever you need tube in constant traction



90826

HOSE BALANCER

	908260001	908260002	908260003
Capacity (kg)	0.4 ÷ 1	1 ÷ 2	2 ÷ 3
Stainless steel rope	Ø 0.2mm	Ø 0.2mm	Ø 0.2mm
Stroke rope	1600mm	1600mm	1600mm
Tube	Int Ø 8mm Ext Ø 10mm	Int Ø 8mm Ext Ø 10mm	Int Ø 8mm Ext Ø 10mm
Maximum pressure	10 bar (1 MPa)	10 bar (1 MPa)	10 bar (1 MPa)
Inlet/outlet fitting	Push-in fitting Ø 10mm	Push-in fitting Ø 10mm	Push-in fitting Ø 10mm
Cut down size tube	1m	1m	1m
Air	SI	SI	SI

SYSTEM SPECIFICATIONS & GUIDES

Our products adhere to a full range of reference standards, our technical specifications are designed with the highest quality in mind.



RESOURCES AT YOUR FINGERTIPS

Deciding to install or purchase an Infinity compressed air system is the right decision. We adhere to the most recent standards and ensure your system meets your specific needs, as a result you can gain the optimum efficiency from a system that is fully fit for purpose.

Our technical specifications and installation guides include information detailing materials, ratings, resistance and tolerances. Our easy to use table will help you work out exactly what pipe diameter you need for your installation.



Create the ultimate
compressed air solution

DOWNLOAD SPECIFICATIONS & GUIDES
infinitypipework.co.uk/technical

PIPEWORK SIZING GUIDE



CHOOSING THE CORRECT DIAMETER FOR YOUR INSTALLATION

The matrix indicates the diameter of the main line, see instructions and example below:

1. Choose the **flow rate** of your compressor using the figures in the three left hand columns eg **180 Nm³/h**
2. Choose the distance between the compressor and the **furthest point of use** eg **300m**
3. The optimum pipe diameter is calculated where the **flow rate** row meets the **furthest point of use** column (**Ø40**)

Flow Rate			Distance between compressor and furthest point of use											
			25 m	50 m	100 m	150 m	200 m	300 m	400 m	500 m	1000 m	1500 m	2000 m	
NI/min	Nm³/h	cfm	82 ft	164 ft	328 ft	492 ft	656 ft	984 ft	1312 ft	1640 ft	3280 ft	4921 ft	6562 ft	
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 - Maximum pressure drop 4%

*Pressure drop is higher than 4%



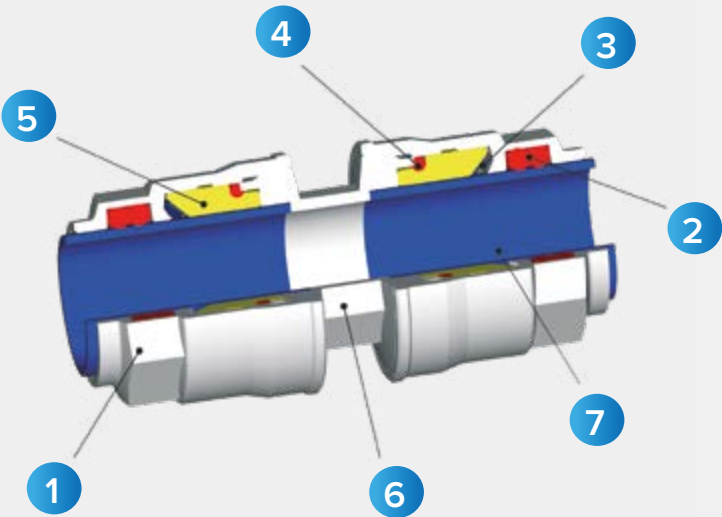
SPECIFICATIONS FOR OUTLETS

- Ø 20 with flow rate up to 2000 NI/min
- Ø 25 with flow rate up to 3500 NI/min
- Ø 32 with flow rate up to 7000 NI/min

SYSTEM SPECIFICATIONS & GUIDES

SPECIFICATIONS & ASSEMBLING GUIDE

Ø20 | Ø25 | Ø32 | Ø40 | Ø50 | Ø63



COMPONENT PARTS AND MATERIALS

- 1. Nut | Nickel-plated brass (aluminium Ø63)
- 2. Seal | NBR
- 3. Clamping Washer | INOX AISI 301
- 4. O-ring | NBR
- 5. Safety Ring | Technopolymeric
- 6. Body | Nickel-plated brass (aluminium Ø63)
- 7. Extruded Aluminium Tube | Calibrated and powder coated



REFERENCE STANDARD

1907/2006
REACH✓

2011/65/CE
RoHS✓

PED
2014/68/UE

SILICON
FREE



DIAMETER RANGE (MM)

Ø20 | Ø25 | Ø32 | Ø40 | Ø50 | Ø63



PRESSURE RATING

0.99 bar (-0.099 MPa)
16 bar (1.6 MPa)



TEMPERATURE TOLERANCES

- 20 °C
+ 80 °C



TUBE CHARACTERISTICS

Extruded Aluminium	Designations UNI EN 573-3	Surface Treatment	Specific Weight	Expansion Coefficient
UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2	EN AW 6060 T6	Electrostatic Painting	2.70 kg/dm ³	0.024 mm/(m °C)



VACUUM RATING

0-28 Hg



FLUIDS

Compressed Air
Vacuum
Inert Gas (NITROGEN-ARGON)



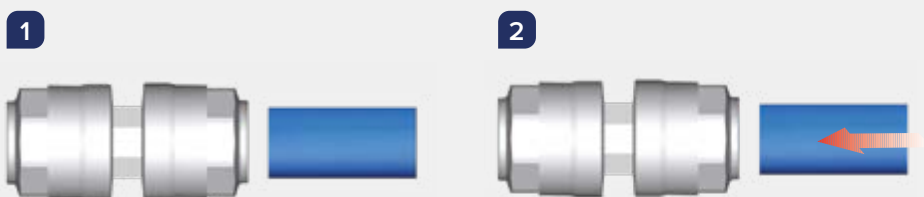
THREADS

Flanged Tube (UNI EN 1092-4 PN 16) (ANSI 150-LB)
Female threads in conformity with ISO 228



ASSEMBLING Ø20 | Ø25 | Ø32 | Ø40

1. Fittings of Ø20 | Ø25 | Ø32 | Ø40 are pre-assembled.
Tubes of 4m and 6m are pre-coated, calibrated and de-burred.
2. Push tube into the fitting for automatic connection.
3. In case of fitting disassembling, use the torques as in the chart to re-assemble the fitting.

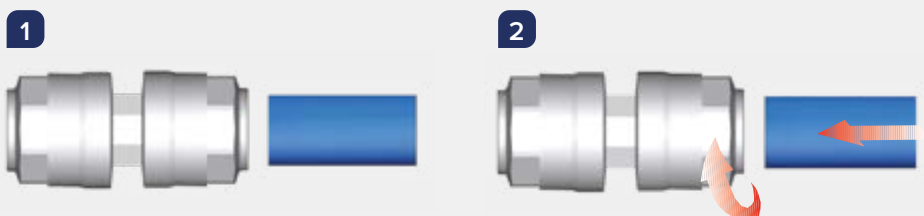


Ø mm	Torque specifications
20	3 Nm
25	3 Nm
32	4 Nm
40	6.5 Nm



ASSEMBLING Ø50 | Ø63

1. Fittings of Ø50 | Ø63 are pre-assembled with nut untwisted to help tube connection.
Tubes of 4m and 6m are pre-coated, calibrated and de-burred.
2. Push tube into the fitting for connection and tighten the nut using torques as in the chart.



Ø mm	Torque specifications
50	45 Nm
63	85 Nm



TUBE CONNECTION

The tube is fully inserted when the pre stamped arrow lines up on the outer edge of the fitting. If cut to size we recommend you remark the tube at the correct distance to ensure the tube is fully inserted after connection.

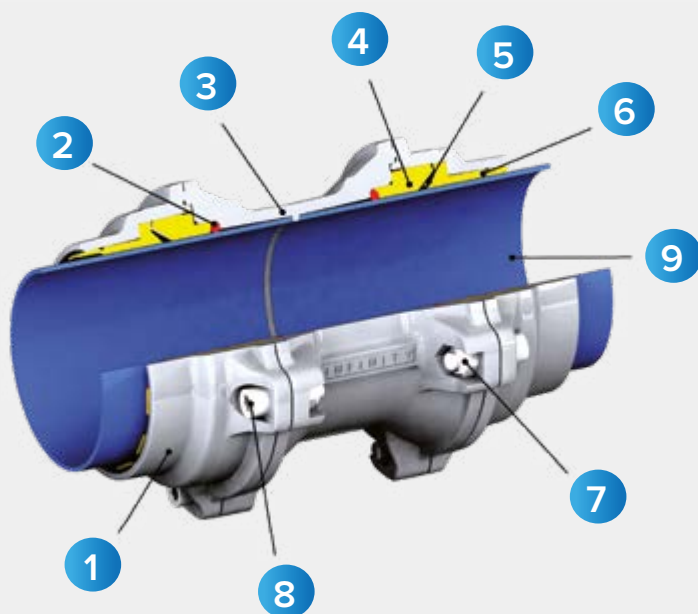


Ø mm	L mm
20	31.5
25	38.5
32	46
40	52
50	57.5
63	63.5

SYSTEM SPECIFICATIONS & GUIDES

SPECIFICATIONS & ASSEMBLING GUIDE

Ø80 | Ø110 | Ø168



COMPONENT PARTS AND MATERIALS

1. **Nut** | Aluminium with finished surface treatment
2. **O-ring** | NBR
3. **Body** | Aluminium with finished surface treatment
4. **Safety Ring** | Technopolymeric
5. **Clamping Washer** | AISI 301
6. **Tube-guide Ring** | Technopolymeric
7. **Self-locking Nut** | Zinc-plated steel
8. **TCEI Screw** | Zinc-plated steel
9. **Extruded Aluminium Tube** | Calibrated and powder coated



REFERENCE STANDARD

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE

SILICON
FREE



DIAMETER RANGE (MM)

Ø80 | Ø110 | Ø168



PRESSURE RATING

0.99 bar (-0.099 MPa)
16 bar (1.6 MPa)



TEMPERATURE TOLERANCES

- 20 °C
+ 80 °C



TUBE CHARACTERISTICS

Extruded Aluminium	Designations UNI EN 573-3	Surface Treatment	Specific Weight	Expansion Coefficient
UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2	EN AW 6060 T6	Electrostatic Painting	2.70 kg/dm ³	0.024 mm/(m °C)



VACUUM RATING

0-28 Hg



FLUIDS

Compressed Air
Vacuum
Inert Gas (NITROGEN-ARGON)



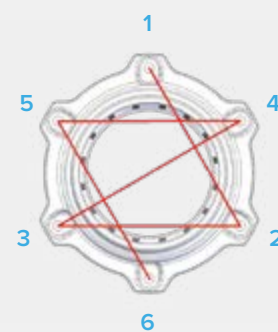
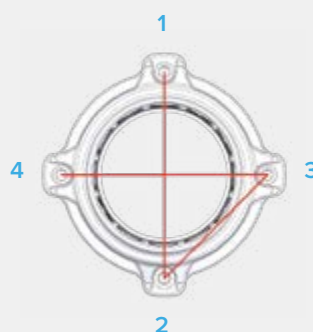
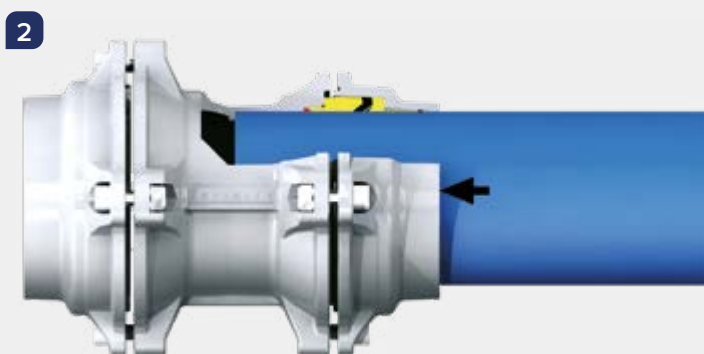
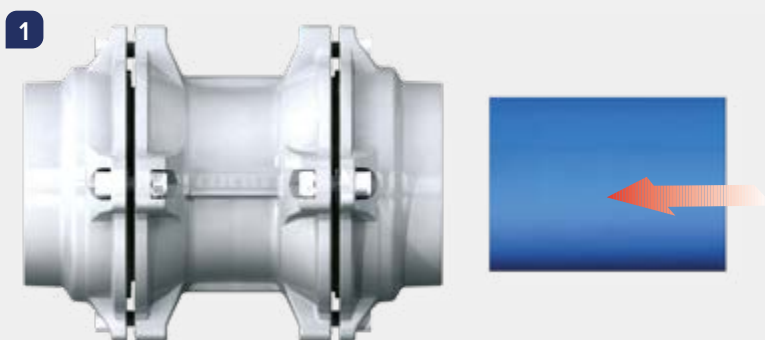
THREADS

Flanged Tube (UNI EN 1092-4 PN 16) (ANSI 150-LB)
Female threads in conformity with ISO 228



ASSEMBLING Ø80 | Ø168

1. Fittings of Ø80 | Ø168 are pre-assembled with four screws untwisted to help tube connection. Tubes of 4m and 6m are pre-coated, calibrated and de-burred.
2. Push tube into the fitting for automatic connection and tighten in the recommended sequences below. Tighten the nut using torques as in the chart.

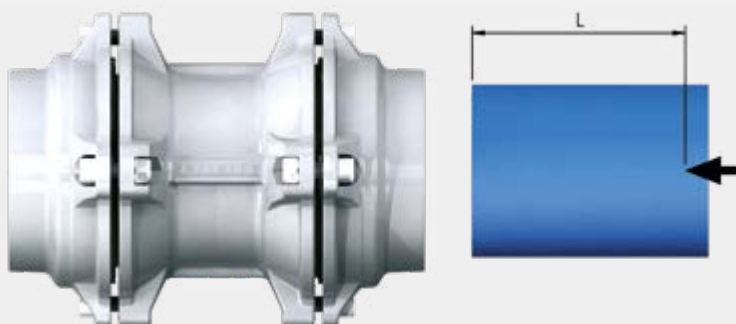


Ø mm	Torque Specifications
80	30 Nm
110	30 Nm
168	60 Nm



TUBE CONNECTION

The tube is fully inserted when the pre stamped arrow lines up on the outer edge of the fitting. If cut to size we recommend you remark the tube at the correct distance to ensure the tube is fully inserted after connection.



Ø mm	L mm
80	91
110	125.5
168	193

SYSTEM SPECIFICATIONS & GUIDES

INDICATIVE FLOW RATES OF COMPRESSORS TO 7 BAR



KW	CV	NI/min
1.5	2	230
3	4	460
4	6	650
5.5	7,5	900
7.5	10	1200
11	15	1750
12.5	17	2000
15	20	2500
18	25	3000
22	30	3500
29	40	4500
37	50	6000
45	60	7000
55	75	8500
74	100	12000
92	125	15000
110	150	18000
132	180	21000
170	230	26000
200	270	31000
250	340	44000



FLOW DISTANCE



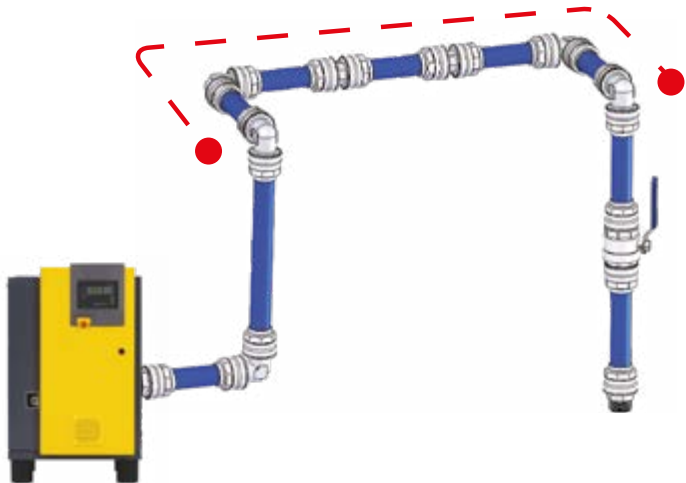
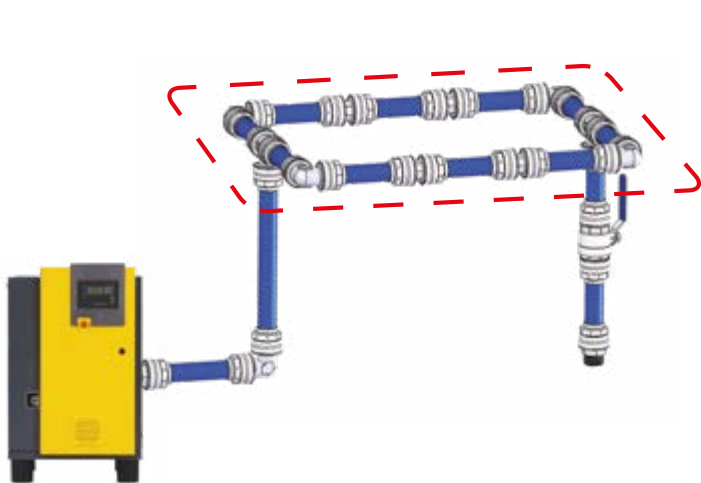
LOOP SYSTEM

(Ring main)



LINEAR SYSTEM

(Header)



LINEAR EXPANSION & CONTRACTION



EXPANSION & CONTRACTION DUE TO HEAT

To calculate the linear expansion - contraction we can use the following formula: $\Delta L = \Delta T \times L \times a$

ΔL = Linear expansion - contraction in mm

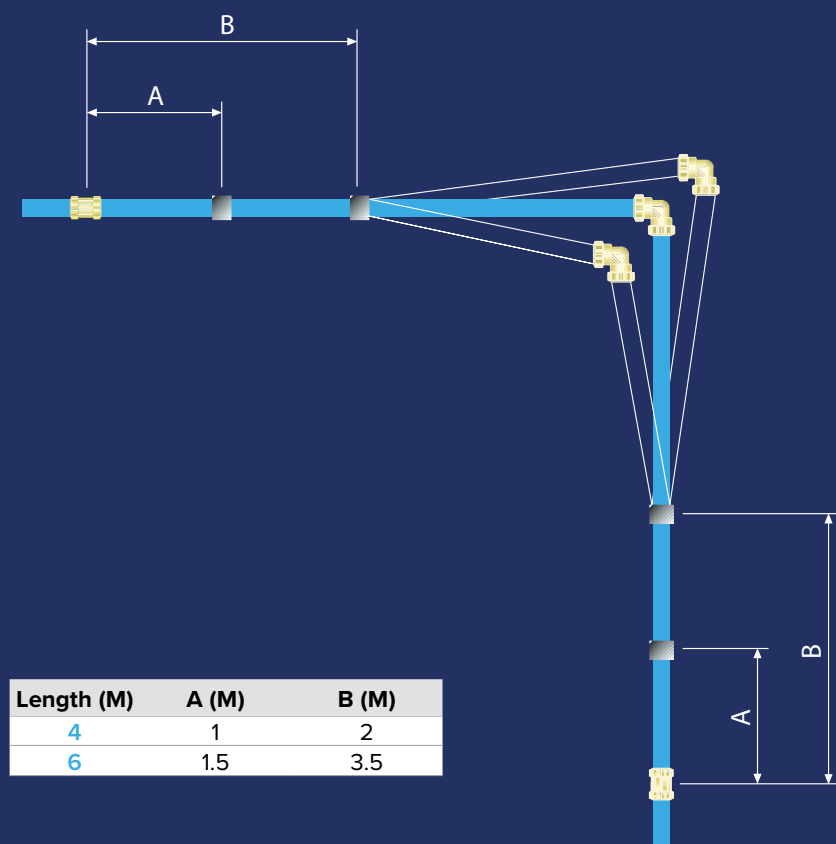
ΔT = Heat variation between the operating and installation temperatures at °C

L = Tube length in m

a = Linear expansion factor for aluminium is 0.024 mm/m °C

The installation has to be positioned giving consideration at the two ends to free space which permits the expansion/contraction. Supports must be fixed as shown in the picture:

Where expansion and contraction is a factor it is important to consider the positioning of the pipe clips. Allowance must be made for movement of the pipe as shown in the picture below.



SYSTEM SPECIFICATIONS & GUIDES

COMPLIANCE & CONFORMITY TESTING

OUTCOME OF GIORDANO INSTITUTE TESTS NR.189076, NR. 236272 AND N° 312056



LEAKAGE TEST

Pressure leakage tests are performed at 1.5 times the pressure rating (PN). Pressure is held for 15 minutes during which time any leakage is checked.

Ø mm	Pneumatic resistance at 22,5 bar (1,5 PN) for 15 min	Pneumatic resistance at 0,5 bar for 15 min
20	No visible leakage	No visible leakage
25		
32		
40		
50		
63		
80		
110		
168		



TENSILE TEST

Tensile tests are performed according to the UNI-EN 1254-2:2000 standard, section 5.5.

Ø mm	Load applied (N)	Maximum slippage (mm)	Resistance at 6 bar
20	1500	0.9	No visible leakage
25	1500	0.4	
32	2000	0.4	
40	2000	0	
50	2000	0	
63	2500	0	
80	2500	0.3	
110	2500	0.49	
168	2500	0.1	



BURST PRESSURE TEST

Tests are conducted by gradually increasing the hydrostatic pressure (for at least 30 seconds) until the slippage or rupture of the fitting.

Ø mm	Hydraulic rupture pressure
20	At 115 bar of pressure a partial slippage occurred, with visible leakage
25	At 75 bar of pressure a complete slippage occurred
32	At 78 bar of pressure slippage started occurring; complete slippage occurred at 93 bar
40	At 75 bar of pressure a complete slippage occurred
50	At 58 bar of pressure a complete slippage occurred
63	At 58 bar of pressure a complete slippage occurred
80	At 64 bar of pressure a leakage occurred
110	At 36 bar of pressure a leakage occurred
168	At 42 bar of pressure a leakage occurred



STRESS LEAKAGE TEST

Leak tests are performed by simultaneously applying internal pressure and bending stress, as per UNI-EN 1254-2:2000 Standard, section 5.6.

The certificate is available on request.

Ø mm	Distance between flexing points (mm)	Pneumatic testing pressure (bar)	Pneumatic and mechanical outcome
20	1800	10	No visible leakage
25	1800	10	
32	1800	10	
40	2400	10	
50	2700	10	
63	3000	6	
80	3000	6	
110	3000	6	
168	3000	6	

COMPLIANCE & CONFORMITY TESTING

CONFORMITY DECLARATION FOR COMPRESSED AIR DISTRIBUTION



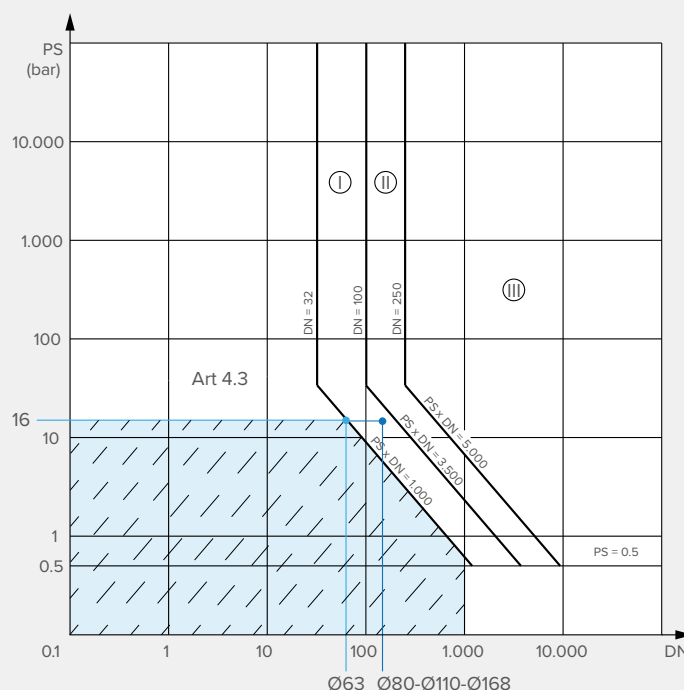
CONFORMITY DECLARATION

We declare to have tested the air distribution system at the following conditions of use:

Pressure: (-0.99 bar / 16 bar)

Temperature: (-20°C / +80°C)

In compliance with Directive 2014/68/EU (PED: Pressure Equipment Directive)



Ø 20mm - Ø 63mm

As per Directive 2014/68/EU (Cod. 4.3), for all pipes and related fittings of Ø20 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63 mm that are part of our Infinity air distribution systems, the CE marking is not required.

Example:

DN63 pipe with an internal diameter of 59 mm at a max pressure of 16 bar. We can see in the graph that the intersection point given by PS x DN is equal to 16 bar x 59 mm. The result, 944, is below the zone marked as PS x DN = 1,000. This zone is exempt from CE marking according to the above mentioned directive (Cod.4 .3).



Ø 80mm - Ø 168mm

According to Directive 2014/68/EU (Cod. 4.3), for all the pipes and their fittings Ø 80 - Ø 110 - Ø 168 mm that constitute the Infinity air distribution systems, conformity assessment according to an internal manufacturing control is foreseen.

Example:

Taking into account the internal diameter of the tubes 80 - 110 - 168 and the maximum pressure of 16 bar, it is observed in the graph that the intersection points given by PS x DN:

DN 80 -> 16 bar x 76 mm = 1.216

DN 110 -> 16 bar x 105 mm = 1.680

DN 168 -> 16 bar x 160.3 mm = 2.565

fall within the area identified as "Category I", which provides for conformity assessment.

SYSTEM SPECIFICATIONS & GUIDES

COMPLIANCE & CONFORMITY TESTING

COMPLIANCE FOR POLYESTER POWDER COATING PROCESS ON INFINITY ALUMINIUM TUBES



PRE-TREATMENT

Pre-treatment ensures paint adhesion to the aluminium and prevents corrosion and oxidation of unpainted parts. It complies with the technical standards UNI 9921 - DIN 50939 - ASTM D 1730 - MIL C 5541

PAINTING

Painting is carried out using powder paint with polyester non-toxic QUALICOT and GSB as per standards UNI 9983 - BS 6496 - AAMA 603-605: UNI 9983 - BS 6496 - AAMA 603-605.

The above-described treatments make the external part of the pipes corrosion resistant in marine environments as it is completely covered with paint. By contrast, the inner part is only pre-treated (chrome plated) which also offers a decent amount of protection.

RESISTANCE TO FIRE



SUBJECT

Products and components' classification based on the results obtained from reaction to fire tests according to UNI EN 13501-1:2005

DESCRIPTION

Series 90000: Painted aluminium pipes.

TEST RESULT

The classification is determined by the paint combustion heat analysis in combination with the test results mentioned in the UNI EN ISO 13823 for aluminium flat sheets with equivalent material and paint thickness.

The tested product falls under the Class A2 - S1 - D0 for fire resistance.



DECLARATION

Exclusion of ATEX directive applicability

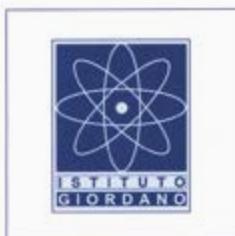
DESCRIPTION

The following series:

- **PUSH IN FITTINGS, PUSH ON FITTINGS, COMPRESSION FITTINGS, ADAPTORS:** 50000 | 55000 | 56000 | 57000 | 40000V | 53000 | 53000X | 59000 | 60000 | 61000 | 62000 | 63000 | 66000 | 69000 | 85000 | 89000 | 58000 | **MISFIT ADAPTORS:** 1000 | 9000 | 10000 | 13000
- **VALVES:** GHINOX – GHILUX
- **AUTOMATIC QUICK COUPLINGS**
- **BLOW GUNS**
- **INFINITY TUBES AND FITTINGS**
- **FRL T series**
- **FUNCTION FITTINGS:** FLOW REGULATOR – QUICK EXHAUST VALVES – SLIDE VALVES – NON RETURN VALVES – BLOCK VALVES – PRESSURE BOOSTERS

do not fall within the scope of the ATEX Directive (2014/34/EU) as the products do not have their own ignition source of electrical, chemical or mechanical origin. There are no electrical components and the frictions involved are not such as to generate hot surfaces that can generate sources of ignition. In these cases, according to Directive 2014/34/EU, they must not be ex or CE marked. In any case, the user must verify that the process is not a source of electrostatic charge.

CERTIFICATE LEAK, BURST & PRESSURE



ISTITUTO GIORDANO s.p.a.

SPECIALISTI IN RICERCA E CERTIFICAZIONE DAL 1959

Via Rossini, 2
47814 BELLARIA (RN) Italy
Tel. ++39-0541 343930 (10 linee)
Telefax ++39-0541 345549

e-mail: istitutogiordano@giordano.it
web site: www.giordano.it

Cod. Fisc./Part. IVA: 00549540409
R.E.A. c/o C.C.I.A.A. (RN) 156766
Registro Imprese Rimini n. 00549540409
Cap. Soc. € 516.000,00 i.v.

RICONOSCIMENTI UFFICIALI:

MINISTERO LAVORI PUBBLICI: Legge 1984/71 art. 2
27/11/82 e 28/12/82 "Prove sui materiali da costruzione"
MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO D.M.
09/11/88 "Certificazione CE per le unità da bagno"
MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO D.M.
31/10/89 "Certificazione CE delle emissioni sonore di
macchine da ufficio"
MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO D.L.
27/01/90 n. 135 "Certificazione CE delle emissioni sonore di
macchine di movimento terra"
MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO D.M.
06/07/90 "Certificazione CE unicamente la sicurezza dei
prodotti"
MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO D.M.
30/07/90 "Certificazione CE attestata di conformità CE per il
rendimento delle caldaie ad acqua calda ambiente con
combustibili liquidi e gassosi"
MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO
Bellaria n. 17/98 del 10/10/98 "Certificazione CE per gli
apparecchi a gas"
MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO e
MINISTERO LAVORO e PREVIDENZA SOCIALE D.M.
06/08/98 "Certificazione CE delle macchine"
MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO
"Trasferimento di verifica della sicurezza e conformità dei prodotti
relativi alla sicurezza sul lavoro e tutela del
consumatore"
MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO D.M.
02/04/99 "Riaccensione di apparecchi di conformità della
caratteristiche e prestazioni energetiche dei componenti degli
edifici e degli impianti"
MINISTERO INTERNO: Legge 8/04 e D.M. 26/03/95 con
autorizzazione del 21/03/95 "Prove di resistenza ai fuochi secondo
D.M. 26/03/95"
MINISTERO INTERNO: Legge 8/04 e D.M. 26/03/95 con
autorizzazione del 18/03/95 "Prove di resistenza ai fuochi
secondo D.M. 26/03/95"
MINISTERO INTERNO: Legge 8/04 e D.M. 26/03/95 con
autorizzazione del 05/07/95 "Prove di resistenza ai fuochi
secondo D.M. 26/03/95 e norme UNI EN 13501-1 e norme
UNI EN 13501-2"
MINISTERO INTERNO: Legge 8/04 e D.M. 26/03/95 con
autorizzazione del 12/04/95 "Prove di resistenza ai fuochi
secondo D.M. 26/03/95"
MINISTERO INTERNO: Legge 8/04 e D.M. 26/03/95 con
autorizzazione del 05/07/95 "Prove di resistenza ai fuochi
secondo D.M. 26/03/95 e norme UNI EN 13501-1 e norme
UNI EN 13501-2"
MINISTERO PUBBLICA ISTRUZIONE: Circolare n. 116 del
27/08/82 "Norme per l'istituzione di Scuole Nazionali delle
materie per classe V. ESEMPIO"
DINCEST (Accreditamento Organismi Certificazioni)
Accreditamento n. 0574 del 19/12/88 "Organismi di
certificazione di sistemi qualità"
IRAP (Sistema Nazionale per l'Accreditamento di Laboratori)
Accreditamento n. 007 del 14/10/89
IST (Servizio di Testi in Italia) Accreditamento n. 28
"Centro IST di test per macchine termiche ed
elettriche"
ICM (Istituto di Certificazione Industriale per le Macchine)
"Prove di laboratorio nell'ambito degli schemi di Certificazione
di Prodotto"
MG (Istituto per il Marchio Qualità) "Prove di laboratorio
nell'ambito degli schemi di Certificazione di Prodotto per norme
tecniche"
UNGAS (Unione Nazionale Gasisti Serenissimi Muratori)
Associati Legati, Normamento del 26/06/88 "Laboratori per
le prove di certificazione UNGAS su termometri e termocouple
centrali"
UNI (Ente Nazionale Italiano di Unificazione - Settore
Certificazione) "Prove di laboratorio nell'ambito degli schemi
di Certificazione di Prodotto per termometri e termocouple
centrali a circolazione forata e termometri a sonda"

PARTECIPAZIONI ASSOCIATIVE:

- ANI: Associazione Italiana di Nuclisti
- AICARR: Associazione Italiana Condizionamento dell'Aria
Riscaldamento Refrigerazione
- ACO: Associazione Italiana per la Qualità
- AIPRO: Associazione Italiana Prove non Distruttive
- ALP: Associazione Laboratori Italiani Fisici
- A.P. Associazione Italiana di Prove Indipendenti
- AIPRAE: American Society of Heating, Refrigerating and Air
Conditioning Engineers Inc.
- ASSODISTRI: Associazione degli Industriali di Rimini
- ASTM: American Society for Testing and Materials
- ATG: Associazione Termici Gas del Sud
- CTE: Collège des Termes della Internationalisation Solidaire
- CTD: Comitato Termotecnico Italiano
- EAPRA: European Association of Research Managers and
Administrators
- EARTD: European Association of Research and Technology
Organizations
- F.O.G.P.: European Group of Official Laboratories for Fire
Testing
- UNI: Ente Nazionale Italiano di Unificazione

ABRIDGED TEST REPORT No. 189470

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

Place and date of issue: Bellaria, 08/11/2004

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

Date test requested: 13/09/2004

Order number and date: 26665, 14/09/2004

Date specimen received: 13/09/2004

Date test effected: from 11/10/2004 to 15/10/2004

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

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

Specimen origin: supplied by Customer

Identification of specimen received: No. 2004/1522

Description of specimen

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

Result of test

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

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

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

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

CLAUSE

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

Comp. AV
Revisi

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

Sheet
1 of 1

SYSTEM SPECIFICATIONS & GUIDES

CERTIFICATE

LEAK, BURST & PRESSURE



ESTRATTO DI PROVA DI PROVA N. 379810

ABRIDGED REPORT No. 379810

il presente documento si basa sul rapporto di prova n. 379541
emesso da Istituto Giordano in data 29 gennaio 2021

this document is based on test report No. 379541 dated 29 January 2021 issued by Istituto Giordano

Cliente / Customer

AIGNEP S.p.A.

Via Don Giuseppe Bazzoli, 3 - 25070 BIONE (BS) - Italia

Oggetto / Item

raccordi denominati

"Raccordi ad innesto rapido per tubazioni in alluminio Serie 90.000, DN50"

couplings named "Series 90.000, DN50 PN16 quick-action coupling for use with aluminium tubes"

Attività / Activity

**verifica della tenuta sotto pressione pneumatica interna con e senza
sollecitazione a flessione, della pressione idraulica di rottura
e della resistenza al distacco secondo la norma UNI EN 1254-2:2000**

**verification of internal pneumatic pressure tightness with and without bending stress, hydraulic burst
pressure and resistance to detachment in accordance with standard UNI EN 1254-2:2000**



Risultati / Results

Prova / Test		Esito / Result
Verifica della tenuta nei confronti della depressione (0,99 bar)/pressione (24 bar e 0,5 bar) pneumatiche interne <i>Leaktightness under internal pneumatic positive (24 bar and 0,5 bar)/negative (0,99 bar) pressure</i>	raccordo diritto <i>straight coupling</i>	positivo <i>pass</i>
	raccordo a T intermedio <i>"T" shaped coupling</i>	
	raccordo a L intermedio <i>"L" shaped coupling</i>	
Pressione idraulica di rottura <i>Bursting strength</i>	raccordo a L intermedio <i>"L" shaped coupling</i>	alla pressione di 48 bar si è manifestata una perdita in corrispondenza della giunzione filettata del collare di presa del raccordo ad L <i>leakage from the threaded joint of the L fitting collar at the pressure of 48 bar</i>
	raccordo a T intermedio <i>"T" shaped coupling</i>	nessuna perdita o rottura fino alla pressione di 48 bar <i>no leakage or rupture up to a pressure of 48 bar</i>
	raccordo diritto <i>straight coupling</i>	
Resistenza al distacco e verifica tenuta pneumatica a 6 bar <i>Resistance to pull-out and leaktightness under 6 bar internal pneumatic pressure</i>	raccordo diritto <i>straight coupling</i>	positivo <i>pass</i>
Tenuta sotto pressione idrostatica interna e con contemporanea applicazione di sollecitazione a flessione <i>Leaktightness under internal hydrostatic pressure whilst subjected to bending</i>	raccordo diritto intermedio <i>intermediate straight coupling</i>	positivo <i>pass</i>
	raccordo diritto <i>straight coupling</i>	

(*) secondo le dichiarazioni del cliente.
according to that stated by the customer.

Bellaria-Igea Marina - Italia, 15 febbraio 2021
Bellaria-Igea Marina - Italy, 15 February 2021

L'Amministratore Delegato
Chief Executive Officer
(Dott. Arch. Sara Lorenza Giordano)


Firmato digitalmente da SARA LORENZA GIORDANO

Commessa:

Order:
86537

Provenienza dell'oggetto:

Item origin:
campionata e fornita dal cliente
sampled and supplied by the customer

Identificazione dell'oggetto in accettazione:

Identification of item received:
2020/2771 del 18 dicembre 2020
2020/2771 dated 18 December 2020
2020/2772 del 18 dicembre 2020
2020/2772 dated 18 December 2020

Data dell'attività:

Activity date:
dal 18 dicembre 2020 al 18 dicembre 2020
from 18 December 2020 to 18 December 2020

Luogo dell'attività:

Activity site:
Istituto Giordano S.p.A. - Blocco 2 - Via Giacchino Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia

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I risultati si riferiscono solo all'oggetto in esame, così come ricevuto, e sono validi solo nelle condizioni in cui l'attività è stata effettuata.

Per quanto riguarda la descrizione dell'oggetto, i riferimenti normativi, le modalità, le apparecchiature, i risultati e quant'altro necessario all'identificazione dell'attività svolta si rimanda al rapporto di prova n. 379541, emesso da Istituto Giordano in data 29 gennaio 2021.

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This document is made up of 3 pages in a bilingual format (Italian and English), in case of doubt the Italian version shall prevail and shall not be reproduced except in full without interpolating parts of interest at the discretion of the customer, with the risk of having an incorrect interpretation of the results, except as defined in contractual terms.

The results relate only to the item examined, as received, and are valid only in the conditions in which the activity was carried out.

As regards the description of the item, apparatus, methods used and everything else necessary for the identification of the work carried out, please see test report No. 379541 issued by Istituto Giordano on 29 January 2021.

The original of this document consists of an electronic document digitally signed pursuant to the applicable Italian legislation.

Responsabile Tecnico di Prova / Tested Item Technician:
Dott. Ing. Luca Bonini

Responsabile del Laboratorio di Termotecnica / Heating Thermotechnical Laboratory:
Dott. Ing. Eugenio Berini

Compilatore / sampler: Francesca Manduchi

Revisore / Reviewer: Dott. Ing. Luca Bonini

Pagina 1 di 1 / Page 1 of 1

ISTITUTO GIORDANO S.p.A. Via Giacchino Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia - Tel. +39 0541 343030 - istitutogiordano@giordano.it - www.giordano.it
Cap. Soc. € 1.500.000 i.v. - R.E.A. c/o C.C.I.A.A. (RN) 156766 - Registro Imprese Romagna (Forlì-Cesena e Rimini) e CF/R. IVA: n. 00549540409

CERTIFICATE

LEAK, BURST & PRESSURE



Istituto Giordano S.p.A.
Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia
Tel +39 0541 343030 - Fax +39 0541 345540
istitutogiordano@giordano.it - www.giordano.it
PEC: istgiordano@legalmail.it
Cod. Fisc./Part. IVA: 00 549 540 409 - Cap. Soc. € 1.500.000 i.v.
R.E.A. c/o C.C.I.A.A. (RN) 156766
Registro Imprese di Rimini n. 00 549 540 409

ABRIDGED TEST REPORT No. 312983

(Refers to test report No. 312056 issued by Istituto Giordano S.p.A. on 19/12/2013)

Place and date of issue: Bellaria-Igea Marina - Italy, 30/01/2014
Customer: AIGNEP S.p.A. - Via Don Giuseppe Bazzoli, 34 - 25070 BIONE (BS) - Italy
Date test requested: 27/09/2013
Order number and date: 60895, 30/09/2013
Date sample received: 04/11/2013
Test date: from 02/12/2013 to 09/12/2013
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. 2013/2179

Sample name and description*

The test samples are called "Raccordi ad innesto rapido in alluminio Serie 90.000, DN63" ("Series 90.000 quick-action couplings in aluminium, DN63").

They essentially consist of:

- aluminium-alloy body with painted exterior;
- steel collet;
- plastic ring (engineering resin);
- NBR 70 elastomeric O-ring.

According to Customer declaration, the maximum operating pressure is 16 bar.

Test result

The following tests were carried out on the Customer-supplied sample with results as given hereafter:

- leaktightness under internal pneumatic positive (24 and 0,5 bar)/negative (-0,9 bar) pressure

Test result: pass;

- bursting strength test

Test result: fitting pulled out at a pressure of 58 bar;

- resistance to pull-out

Test result: pass;

- leaktightness under internal hydrostatic pressure whilst subjected to bending

Test result: Pass.

As regards sample and test photos, normative references, test methods, test equipment, detailed test results and everything else necessary for the identification of the work carried out, please see test report No. 312056 issued by this Institute on 19/12/2013.

(*) according to that stated by the Customer.

Test Technician
(Dott. Ing Antonietta Serra)

Head of
Applied Physics Laboratory
(Dott. Ing. Vincenzo Iommi)

Managing Director
(Dott. Ing. Vincenzo Iommi)

Antonietta Serra

Vincenzo Iommi

Firmato digitalmente da Vincenzo Iommi

Comp. AV
Revis. AS

This abridged report consists of 1 sheet.
This document is the English translation of the test report No. 312983 dated 30/01/2014 issued in Italian.
Date of translation: 04/02/2014.

Sheet
1 of 1

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SYSTEM SPECIFICATIONS & GUIDES

CERTIFICATE

LEAK, BURST & PRESSURE



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Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia
Tel. +39 0541 343030 - Fax +39 0541 345540
istitutogiordano@giordano.it - www.giordano.it
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Registro Imprese di Rimini n. 00 549 540 409

ABRIDGED TEST REPORT No. 317262

(Refers to test report No. 316851 issued by Istituto Giordano on 25/06/2014)

Place and date of issue: Bellaria-Igea Marina - Italy, 11/07/2014

Customer: AIGNEP S.p.A. - Via Don Giuseppe Bazzoli, 34 - 25070 BIONE (BS) - Italy

Date test requested: 20/03/2014

Order number and date: 62619, 24/03/2014

Date sample received: 23/04/2014

Test date: from 05/06/2014 to 24/06/2014

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. 2014/0843

Sample name and description*

The test samples are called "Series 90.000, DN80 quick-action couplings for use with aluminium tubes".

They essentially consist of:

- surface-treated aluminium nut;
- NBR O-ring;
- surface-treated aluminium body;
- safety ring made from engineering resin;
- AISI 301 stainless-steel collet;
- tube guide ring made from engineering resin;
- galvanised-steel self-locking nut;
- galvanised-steel hexagon socket head cap screw.

Customer's declared maximum operating pressure is 16 bar.

Test result

The following tests were carried out on the Customer-supplied sample with results as given hereafter:

- leaktightness under internal pneumatic positive (24 and 0,5 bar)/negative (0,9 bar) pressure

TEST RESULT: PASS;

- bursting strength test

TEST RESULT: slight leakage from plug of one of the fittings at a pressure of 64 bar (PASS);

- resistance to pull-out

TEST RESULT: PASS;

- leaktightness under internal hydrostatic pressure whilst subjected to bending

TEST RESULT: PASS.

As regards sample and test photos, normative references, test methods, test equipment, detailed test results and everything else necessary for the identification of the work carried out, please see Test Report No. 316851 issued by Istituto Giordano on 25/06/2014.

(*) according to that stated by the Customer.

Test Technician:

Dott. Ing. Antonietta Serra

Head of Applied Physics Laboratory:

Dott. Ing. Vincenzo Iommi

Chief Executive Officer
(Dott. Arch. Sara Lorenza Giordano)

Firmato digitalmente da SARA LORENZA GIORDANO

The original of this document consists of an electronic document with a digital signature affixed pursuant to DPR (Presidential Decree) 513/97.

Comp. AV
Revis. AS

This abridged report consists of 1 sheets.
This document is the English translation of the abridged report No. 317262 dated 11/07/2014 issued in Italian; in case of dispute the only valid version is the Italian one. Date of translation: 06/06/2017.

Sheet
1 of 1

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CERTIFICATE

LEAK, BURST & PRESSURE



ESTRATTO DI PROVA DI PROVA N. 372988

ABRIDGED REPORT No. 372988

il presente documento si basa sul rapporto di prova n. 372691
emesso da Istituto Giordano in data 29 giugno 2020

this document is based on test report No. 372691 dated 29 June 2020 issued by Istituto Giordano

Cliente / Customer

AIGNEP S.p.A.

Via Don Giuseppe Bazzoli, 3 - 25070 BIONE (BS) - Italia

Oggetto / Item

raccordi denominati

"Raccordi ad innesto rapido per tubazioni in alluminio Serie 90.000, DN168"
couplings named "Series 90.000, DN168 PN16 quick-action coupling for use with aluminium tubes

Attività / Activity

**verifica della tenuta sotto pressione pneumatica interna con e senza
sollecitazione a flessione, della pressione idraulica di rottura
e della resistenza al distacco**

verification of internal pneumatic pressure tightness with and without bending stress, hydraulic burst
pressure and resistance to detachment

Risultati / Results

Prova / Test		Esito / Result
Verifica della tenuta nei confronti della depressione (0,99 bar)/pressione (24 bar e 0,5 bar) pneumatiche interne Leaktightness under internal pneumatic positive (24 bar and 0,5 bar)/negative (0,99 bar) pressure	raccordo diritto straight coupling	positivo pass
	raccordo a T intermedio "T" shaped coupling	
	raccordo a L intermedio "L" shaped coupling	
Pressione idraulica di rottura Bursting strength	raccordo diritto straight coupling	alla pressione di 42 bar si è manifestata una perdita in corrispondenza della guarnizione fra il raccordo e il collare di presa sul tubo leakage from the gasket of the coupling at the pressure of 42 bar
	raccordo a T intermedio "T" shaped coupling	nessuna perdita o rottura fino alla pressione di 42 bar no leakage or rupture up to a pressure of 42 bar
	raccordo a L intermedio "L" shaped coupling	
Resistenza al distacco e verifica tenuta pneumatica a 6 bar Resistance to pull-out and leaktightness under 6 bar internal pneumatic pressure	raccordo diritto straight coupling	positivo pass
Tenuta sotto pressione idrostatica interna e con contemporanea applicazione di sollecitazione a flessione Leaktightness under internal hydrostatic pressure whilst subjected to bending	raccordo diritto intermedio intermediate straight coupling	positivo pass
	raccordo diritto straight coupling	

(*) secondo le dichiarazioni del cliente.
according to that stated by the customer.

Bellaria-Igea Marina - Italia, 10 luglio 2020
Bellaria-Igea Marina - Italy, 10 July 2020

L'Amministratore Delegato
Chief Executive Officer
(Dott. Arch. Sara Lorenza Giordano)



Firmato digitalmente da SARA LORENZA GIORDANO

Commissa:

Order:
84591

Provenienza dell'oggetto:

Item origin:
campionato e fornito dal cliente
sampled and supplied by the customer

Identificazione dell'oggetto in accettazione:

Identification of item received:
2020/1050 del 26 maggio 2020
2020/1050 dated 26 May 2020

Data dell'attività:

Activity dates:
dal 3 giugno 2020 al 9 giugno 2020
from 3 June 2020 to 9 June 2020

Luogo dell'attività:

Activity site:
Istituto Giordano S.p.A. - Blocco 2 - Via Gioacchino Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia

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I risultati si riferiscono solo all'oggetto in esame, così come ricevuto, e sono validi solo nelle condizioni in cui l'attività è stata effettuata.

Per quanto riguarda la descrizione dell'oggetto, i riferimenti normativi, le modalità, le apparecchiature, i risultati e quant'altro necessario all'identificazione dell'attività svolta si rimanda al rapporto di classificazione n. 372691 emesso da Istituto Giordano in data 29 giugno 2020.

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As regards the description of the item, apparatus, method, results and everything else necessary for the identification of the work carried out, please see classification report No. 372691 issued by Istituto Giordano on 29 June 2020. The original of this document consists of an electronic document digitally signed pursuant to the applicable Italian Legislation.

Responsabile Tecnico di Prova: / Chief Test Technician:

Dott. Ing. Luca Bonini

Responsabile del Laboratorio di Termotecnica: / Head of Thermotechnical Laboratory:

Dott. Ing. Eugenio Serini

Compilatore: / Compiler: Francesca Manduchi

Revisore: / Reviewer: Dott. Ing. Luca Bonini

Pagina 1 di 1 / Page 1 of 1

Istituto Giordano S.p.A.
Via Gioacchino Rossini, 2
47814 Bellaria-Igea Marina (RN) - Italia

Tel. +39 0541 343030 - Fax +39 0541 345540
www.giordano.it
istitutogiordano@giordano.it
PEC: ist.giordano@egimail.it

Codice fiscale Partita IVA: 00 549 540 409
Capitale sociale € 1.500.000 i.v.
REA: c/o C.C.I.A.A. (RN) 156766
Registro Imprese della Romagna - Forlì-Cesena e Rimini n. 00 549 540 409

SYSTEM SPECIFICATIONS & GUIDES

CERTIFICATE

EU CONFORMITY DECLARATION

	DICHIARAZIONE DI CONFORMITÀ DECLARATION OF CONFORMITY In accordo con la Direttiva 2014/68/UE del Parlamento Europeo e del Consiglio del 15 Maggio 2014 In accordance with the Directive 2014/68/EU of the European Parliament and of the Council of 15 May 2014	
Ragione sociale Manufacturer	AIGNEP S.p.A. Via Don G. Bazzoli 34, 25070 Bione (BS) - ITALY	
In base alla Direttiva 2014/68/UE (PED) According to the Directive 2014/68/EU (PED)		
DICHIARA CHE / DECLARE THAT		
Relativamente ai propri prodotti presenti a catalogo quanto segue: 1) I prodotti della serie attuatori pneumatici sono esclusi dal campo di applicazione della direttiva in base all'articolo 1, punto 2, paragrafo j) ii) 2) I prodotti della serie Infinity con diametro da 80 a 168 mm e PN MAX 16 bar sono classificati nella categoria PED I secondo la procedura di valutazione descritta nel modulo A che prevede la marcatura CE ed il controllo interno della fabbricazione in accordo alle procedure del sistema qualità certificato ISO 9001. 3) Tutti gli altri prodotti sono classificati secondo l'articolo 4 comma 3 e sono progettati e fabbricati secondo una corretta prassi costruttiva, tali prodotti non devono recare la marcatura CE. <i>Relatively to the product of its catalogue, as follow:</i> 1) The products of the pneumatic actuator series are excluded from the field of application of the directive according to the article 1, point 2 paragraph j) ii) 2) The product of the Infinity series with diameter from 80 to 168 mm and PN MAX 16 bar are classified in the category PED I according to the evaluation procedure described in the module A which provide the CE marking and the internal control of the manufacturing in accordance with the procedures of the quality system certificate ISO 9001. 3) Any other products are classified according to the article 4 subsection 3 and they are projected and manufactured according a correct manufacturing practice, on these products the CE marking is not required.		
La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante. This declaration of conformity is issued under the sole responsibility of the manufacturer.		
Bione (BS)	01/07/2020	 Graziano Bugatti
Luogo / Place	Data / Date	Amministratore / General Manager

s_com03_04_dichiarazione_PED Rev. 1.02 del 01/21

CERTIFICATE GENERAL CONFORMITY



ICIM

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

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

AIGNEP S.P.A.
SEDE CENTRALE / HEADQUARTER

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

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

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD

UNI EN ISO 9001:2015

Sistema di Gestione per la Qualità / Quality Management System

PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES

IAF: 17 - 18

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

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

Riferirsi alla documentazione del Sistema di Gestione per la Qualità aziendale per l'applicabilità dei requisiti della norma di riferimento.
Refer to the documentation of the Quality Management System for details of application to reference standard requirements.

Il presente certificato è soggetto al rispetto del documento ICIM "Regolamento per la certificazione dei sistemi di gestione" e al relativo Schema specifico.
The use and the validity of this certificate shall satisfy the requirements of the ICIM document "Rules for the certification of company management systems" and specific Scheme.

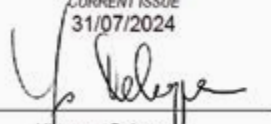
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FIRST ISSUE
11/12/1992

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CURRENT ISSUE
31/07/2024

DATA DI SCADENZA
EXPIRING DATE
17/09/2026



Vincenzo Deledda
Rappresentante Direzione / Management Representative
ICIM S.p.A.
Piazza Don Enrico Magelli, 75 - 20099 Sesto San Giovanni (MI)
www.icim.it



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SYSTEM SPECIFICATIONS & GUIDES

CERTIFICATE GENERAL CONFORMITY



AIGNEP S.p.A

Via Don G. Bazzoli, 34 - 25070 Bione (BS) Italy - Tel. +39-0365-896626 - Fax. +39-0365-896561

Società Unipersonale del Gruppo La San Marco di Francesco Bugatti & C. S.p.A.

C.F. 0080880173 - P.IVA 00570210980 - R.E.A. C.C.I.A.A. (BS) n. 210976 - Cap Soc. € 3.500.000 i.v.

Stabilimenti/Plant: Via Manzoni, 11 - 25070 (BIONE) (BS) Italy - Web site: <http://www.aignep.it> - email: aignep@aignep.it



Date: Bione, 30/07/2024

Object: CONFORMITY DECLARATION - INFINITY

The company AIGNEP S.p.A. Via Don G. Bazzoli, 34 - 25070 - Bione (BS) - Italy

DECLARES

under its own exclusive responsibility that the products of the series:

- **INFINITY**

are fabricated according to the art rule and are in compliance with the specifications that are contained in the technical sheets and in Aignep catalogues.

The products can be used with compressed air, vacuum and inert gas (Nitrogen, Argon).

These products can be used at the max pressure of 16 bar (-0,99 bar ÷ 16 bar) and for outdoor installations in the temperature range (-20 °C ÷ +80°C).

For outdoor applications, the products must be duly protected.

All infinity products:

- Satisfy the requirements of 2014/68/UE (PED. Pressure Equipment Directive).
- Satisfy the requirements ASME B31.1 and ASME 31.3 and conform to Technical Standards & Safety Authority (TSSA).
- Are not flammable and they limit flame spread according to UNI EN 13501-1 Class A2-d1- d0.
- Infinity system doesn't introduce solid particles, water, humidity or oil and for this do not contaminate the fluid transported (norm ISO 8573-1).

**GENERAL MANAGER
GRAZIANO BUGATTI**

CERTIFICATE

QUALITY POLICY



QUALITY POLICY

The basic principle of the Quality Policy of the Aignep S.p.A is to obtain the highest quality of products and processes, and the continuous search for customer satisfaction. Full compliance with all relevant laws is considered a precise corporate commitment towards employees, the community, customers and shareholders. The constant commitment to improvement, through the involvement of employees in a process of continuous improvement of the product, processes and services, completes the picture of a company at the highest quality levels.

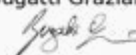
The Quality Management System is implemented through a process approach, in compliance with the requirements of the UNI EN ISO 9001:2015 standard and the basic principles it contains, with the intent and effort to achieve the following objectives:

- spread a systemic approach to processes throughout the staff; ensure the involvement of all personnel through process leaders,
- Are commit all available resources to ensure maximum customer satisfaction, by offering products and services that meet their needs, both explicit and implicit;
- prevent and reduce non-conformities at all stages of the process;
- spread a culture of quality in the organization, involving all employees in continuous improvement;
- create an adequate and safe work environment in which all employees can be satisfied and in which professional growth is stimulated;
- satisfy the mandatory requirements on products and processes, in order to meet the needs and expectations of all interested parties;
- search for continuous improvement in the effectiveness of the quality management system, of products / services, of the processes, by:
 - Examination of the context factors and the needs of the interested parties, identifying and assessing the risks and opportunities of the system.
 - Providing a management structure to the company that guarantees an organic and clear definition of the tasks and responsibilities
 - The definition of specific objectives and indicators, for performance monitoring and analysis of possible improvements;
 - The continuous technological innovation of equipment and work plants in order to increase its production capacity in compliance with all the safety and health principles of its workers
 - The introduction and implementation of continuous SQ reviews and appropriate corrective, preventive and improvement interventions;
 - The involvement of Suppliers in the process of continuous quality improvement;
 - Consolidate the relationships of collaboration and mutual benefit with the suppliers;

The Management undertakes to support, renew and share the Quality Policy with the entire corporate structure and to plan and verify the quantifiable objectives that achieve it.

Bione, 18/06/2018
Rev. 01.02

General Manager
Bugatti Graziano



SYSTEM SPECIFICATIONS & GUIDES

Notes:



SYSTEM PRODUCT PORTFOLIO

Our pipework and fittings are perfect for use in air, vacuum, nitrogen generation and other inert gas applications.

Constructed of non-corrosive, extruded aluminium, it has superior structural strength compared with traditional compressed air pipe materials.

Our simple push-in system has modular connections combined with lightweight tubing requiring less clips. It is fully adjustable and reusable making it ideal for future expansion.

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Devonshire Road
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