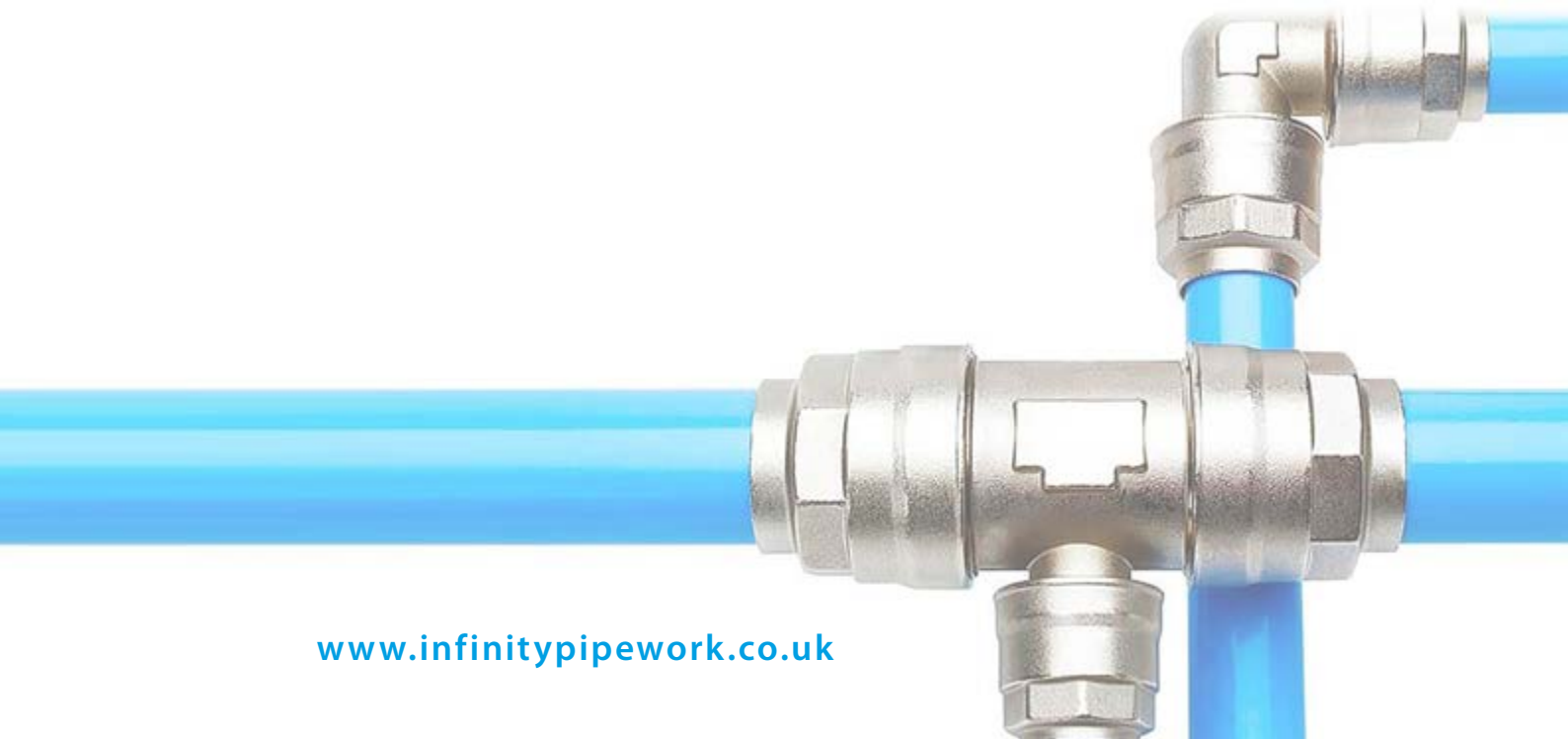




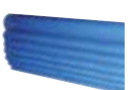
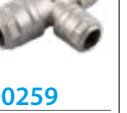
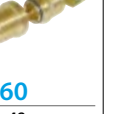
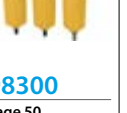
infinity
aluminium pipework systems

Infinite
Possibilities.

Infinite
Solutions.



www.infinitypipework.co.uk

 90000 Pages 14-15	 90010 Page 16	 90012 Page 16	 90015 Page 17	 90017 Page 17	 90018 Page 17	 90019 Page 17	 90020 Page 18	 90030 Page 18
 90040 Page 19	 90130 Pages 19-20	 90140 Page 20	 90150 Page 20	 90160 Page 21	 90230 Pages 21-22	 90235 Page 22	 90236 Page 22	 90240 Page 24
 90246 Page 24	 90247 Page 25	 90241 Page 26	 90242 Page 26	 90249 Page 26	 90252 Page 28	 90253 Page 28	 90610 Page 29	 90620 Page 29
 90625 Page 30	 90627 Page 30	 90630 Page 30	 90642 Page 31	 90644 Page 32	 90600 Page 33	 90602 Page 33	 90660 Page 33	 90662 Page 34
 90664 Page 34	 90700 Page 34	 90705 Page 34	 90710 Page 35	 90720 Page 35	 90725 Page 35	 90790 Page 36	 90800 Page 36	 90805 Page 36
 90815 Page 36	 90817 Page 37	 90820 Page 37	 90825 Page 38	 90830 Page 39	 90860 Page 39	 90870 Page 39	 90880 Page 40	 VAL01 Page 40
 VAL03 Page 40	 90250 Page 41	 90250 Page 41	 90259 Page 41	 90259 Page 42	 90260 Page 42	 661 Page 43	 261AC Pages 43-44	 6300 Page 44
 6068 Page 44	 6060 Page 44	 3040 Page 45	 321 Page 46	 341 Pages 46-47	 T100 Page 47	 MAN01-02 Page 48	 2020 Page 48	 2060 Page 48
 2080 Page 48	 3015 Page 48	 6000 Page 48	 RD50 Page 49	 98300 Page 50	 98100 Page 50	 98200 Page 51	 98210 Page 51	 IED 230V Page 52

We offer assistance with all your pipework needs

Design

- Full turn-key system design.
- Layout of system - from compressor to point of use.
- Pipe sizing and pressure drop calculations.
- Technical Assistance.

Installation

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

Accreditation & Certification

- We are a leading member of the British Compressed Air Society (BCAS).
- Our registration with the Achilles UVDB enables us to provide product and service solutions to the utilities sector.

Infinity Project Management is a fully integrated turn-key solution provider. We offer a range of support services from start-up to build; our team of experts are equipped to help every step of the way.



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

Contact us to discuss your project and learn more about our product and service support solutions:

- Tel. +44 (0)1404 548 008
- E-mail. sales@infinitypipework.co.uk
- Web. www.infinitypipework.co.uk

Infinity advanced air piping system . . .

High performance aluminium pipework systems

Infinity is a high performance aluminium pipework system that is easy to install and simple to extend or modify.

The corrosion resistant extruded aluminium provides structural strength and delivers contaminate free air in a leak free system. The smooth bore of Infinity prevents high pressure losses and allows for higher flow rates and a performance better than that of traditional systems.

The swan neck fitting is unique to the Infinity Pipework range and ensures water free quality air supply.

Why use our Infinity aluminium pipework system?

Infinity offers an all metal system, specifically designed for compressed air use with energy savings in mind.

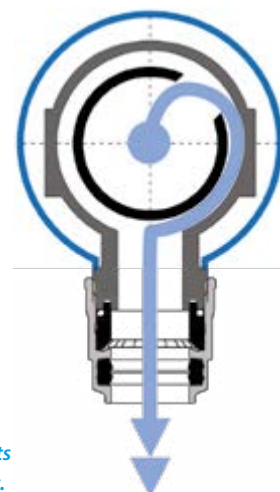
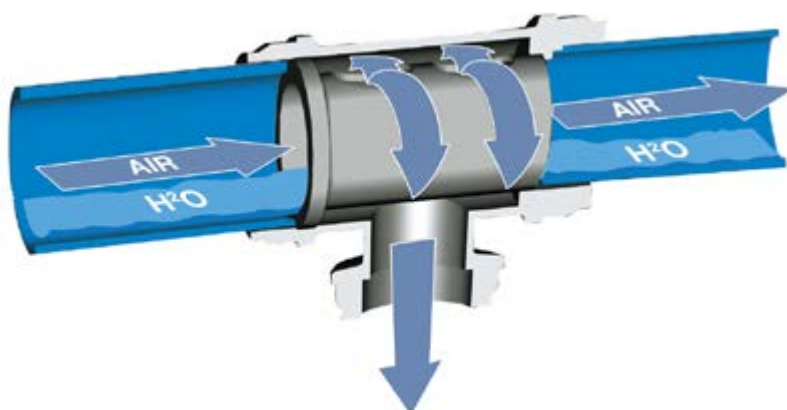
Its extremely smooth, corrosion resistant pipework complemented with brass nickel plated fittings and our patented zero condensate tee keep the air flow laminar; therefore reducing pressure drop and removing condensate.

Assembly is quick and simple

Infinity fittings are simply pushed together for an automatic connection without the need for soldering, threading or gluing and as a result, your new system is constructed efficiently. Aluminium pipework is inherently stronger than plastic pipes providing greater rigidity and saving further time as they require only half the mounting brackets.



One of the many technologically advanced features of the Infinity pipework system is the patented zero condensate reducing tee.



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

Turn-Key Projects

Our capabilities and expertise extend far beyond a 'traditional' compressed air pipework installation.

The Infinity Pipework range is lightweight, push-fit and aesthetically pleasing, which provides the client with a professional system, fit for purpose.

Our technical teams are happy to work to the client's brief, where the initial design can be accepted in many formats, including CAD, right the way through to conceptual designs and final installation approval. All installations are carried out in accordance with the Pressure Systems Regulations 2000, by our experienced and trained engineers.

Our team of in-house pipework fitters and engineers are experienced in designing and installing all types of compressed air systems.

Experienced with the design and installation in of all types of compressed air systems.

Whether your requirement is a modification or a new installation we are available to assist in the sizing, design and installation of your project. All of our designs are done in accordance with the latest British Compressed Air Society 'best practice' guidelines and the Pressure Systems Regulations 2000.

Our all metal aluminium modular pipework system offers:

- Energy efficiency due to the smooth internal surface
- Ease of installation and modification
- Wide variety of sizing options from Ø20mm - Ø110mm
- ATEX approved and silicone free
- 10-year warranty on parts
- Zero Condensate Reducing Tee



Infinity Project Management

Infinity Project Management is a fully integrated turn-key solution provider. We offer a range of support services from start-up to build; our team of experts is equipped to help every step of the way.



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006 2011/65/CE

REACH

RoHS

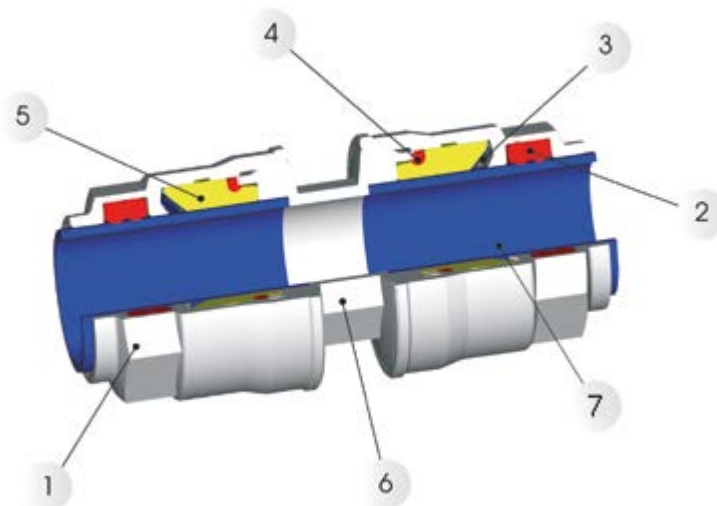
PED
2014/68/
UE

SILICON
FREE

ATEX

PUSH IN

Ø 20 - 25 - 32 - 40 - 50 - 63 mm



Component Parts and Materials

- 1 Nut made in nickel-plated brass (aluminium Ø63)
- 2 Seal made in NBR
- 3 Clamping washer made in INOX AISI 304
- 4 O-ring seals made in NBR
- 5 Safety ring made in technopolymeric
- 6 Body made in nickel-plated brass (aluminium Ø63)
- 7 Extruded aluminium tube calibrated and powder coated



Pressure Rating

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



Vacuum Rating

- 0-28 Hg



Temperatures

- 20 °C
+ 80 °C



Fluids

Compressed Air / Vacuum/
Inert Gas (NITROGEN-ARGON)



Threads

Male threads taper in conformity with ISO 7.

Female threads in conformity with ISO 228.



Technical Characteristics - Tubes	
Extruded Aluminium	UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2
Designations UNI EN 573-3	EN AW 6060 T6

Technical Characteristics - Tubes	
Surface Treatment	Electrostatic Painting
Specific Weight	2.70 Kg/dm ³

Technical Characteristics - Tubes	
Expansion Coefficient	0.024 mm/(m °C)



Assembling Ø 20-25-32-40

- 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.

1



2



3

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

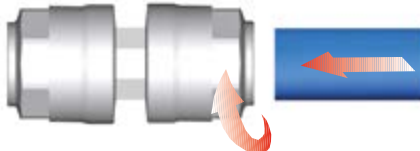
Assembling Ø 50 - 63

- 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.

1



2



Ø mm	Torque specifications
50	75 Nm
63	85 Nm



TECHNICAL CHARACTERISTICS



Reference Standard

Ø 80 - 110 mm

1907/2006 2011/65/CE

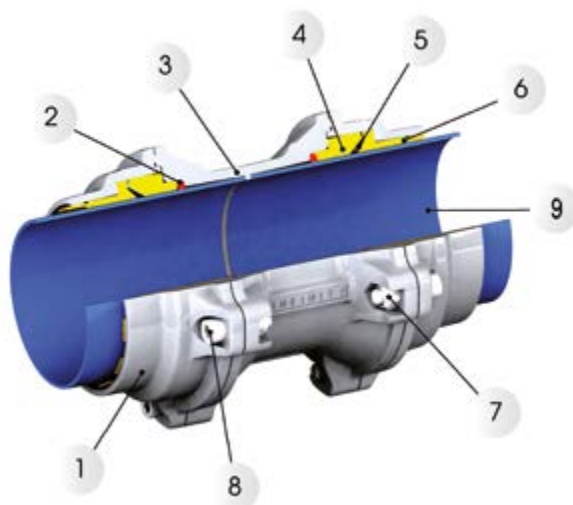
REACH

RoHS

PED
2014/68/
UE

SILICON
FREE

ATEX



Component Parts and Materials

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



Pressure Rating

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



Vacuum Rating

- 0-28 Hg



Temperatures

- 20 °C
+ 80 °C



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.



Technical Characteristics - Tubes	
Extruded aluminium	UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2
Designations UNI EN 573-3	EN AW 6060 T6

Technical Characteristics - Tubes	
Surface treatment	Electrostatic painting
Specific weight	2.70 Kg/dm ³

Technical Characteristics - Tubes	
Expansion coefficient	0.024 mm/(m °C)



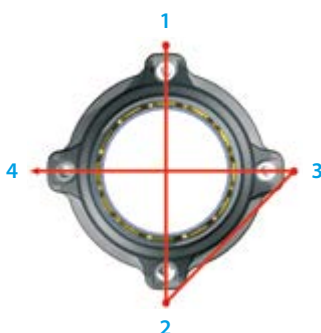
Assembling Ø 80 - 110

- Fittings of Ø80 - Ø110 are pre-assembled with four screws untwisted to help tube connection. Tubes of 4m and 6m are pre-coated, calibrated and burred.
- Push tube into the fitting for automatic connection and tighten in the suggested sequence. Tightening torque 30Nm.

1



2

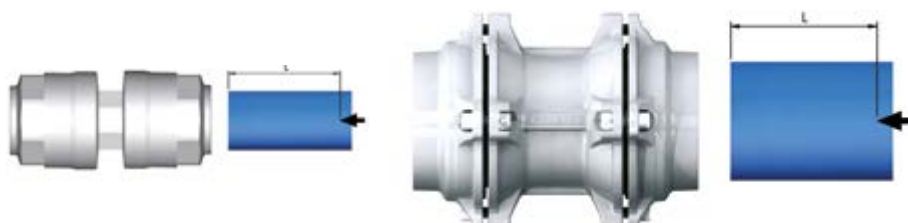


Ø mm	Torque Specifications
80	30 Nm
110	30 Nm



Tube Connection

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



Ø mm	L mm
20	31.5
25	38.5
32	46
40	52
50	63.5
63	57.5
80	91
110	125.5



Tube diameter for the outlets

Specifications about available tube diameters for the 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



Choose the diameter for the installation

The matrix allows you to select the diameter of the main line:

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

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

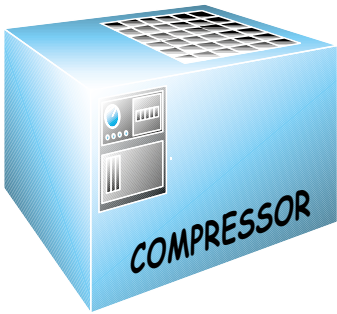
*Pressure drop is higher than 4%

Example

- Flow rate: 3000 NI/min
- Distance between compressor and furthest point of use: 300 m
- Tube diameter: 40 mm

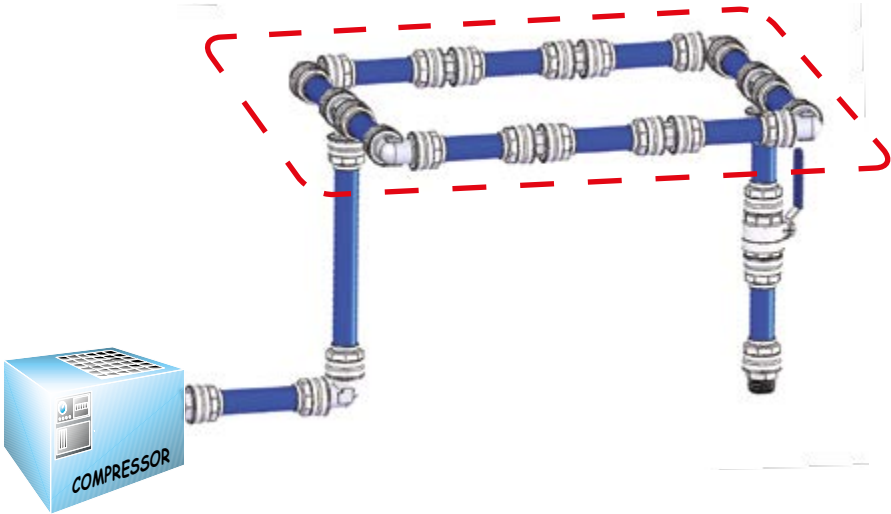


Indicative flow rates of the compressors to 7 bar

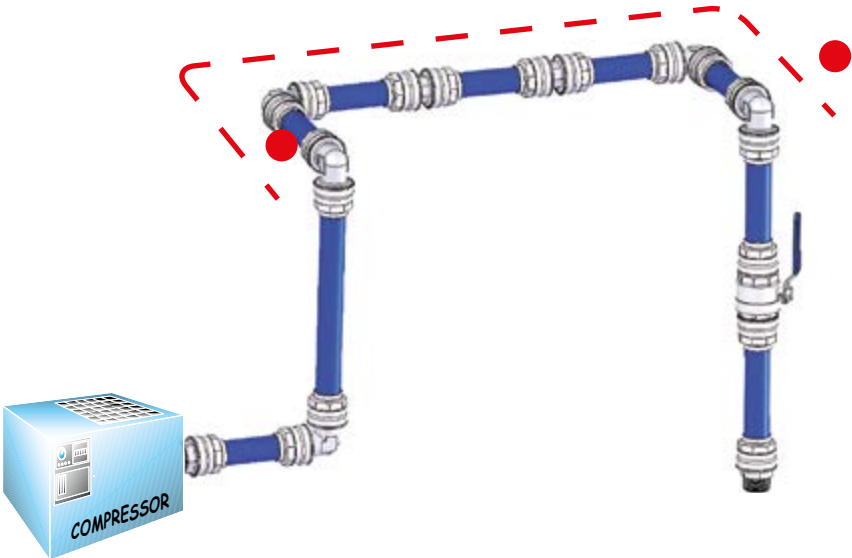


KW	CV	l/min
1.5	2	230
3	4	460
4	6	650
5.5	7,5	900
7.5	10	1200
11	15	1750
12.5	17	2000
15	20	2500
18	25	3000
22	30	3500
29	40	4500
37	50	6000
45	60	7000
55	75	8500
74	100	12000
92	125	15000
110	150	18000
132	180	21000
170	230	26000
200	270	31000
250	340	44000

LOOP SYSTEM
(RING MAIN)



HEADER





Expansion and 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

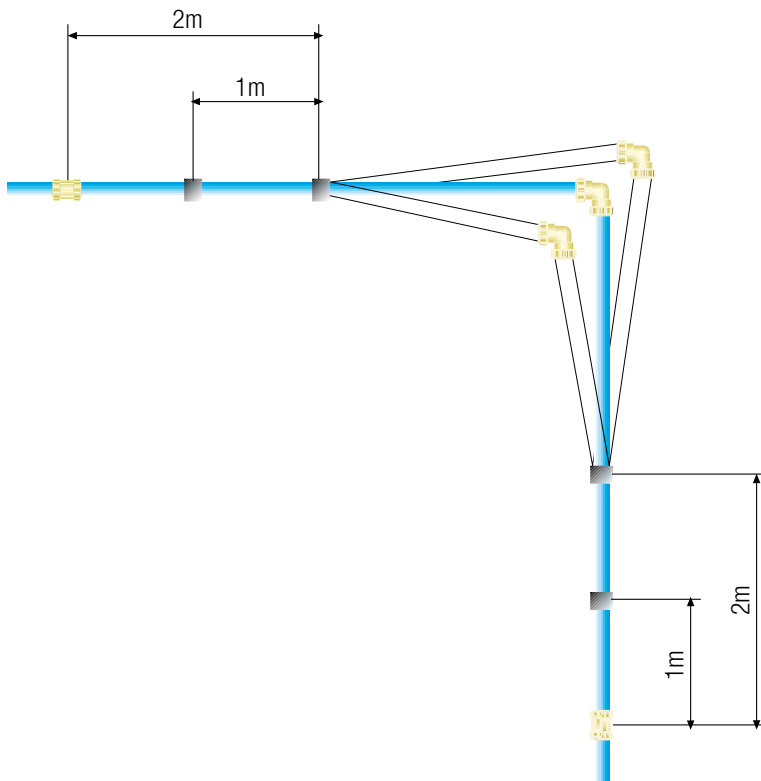
ΔT = Heat variation between the operating temperature and the installation one at °C

L = Tube length in m

a = Linear expansion factor, for the 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 and supports have to 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.

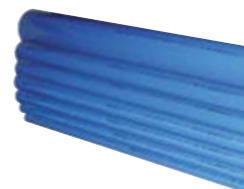


CALIBRATED ALUMINIUM TUBING

90000 (4m)

RAL5010

colour: 
BLUE



Code	Ø mm	Thickness mm	Pressures bar	Weight g/m	Length m	Pack
90000 10	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

colour: 
GREY

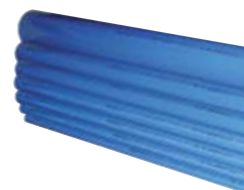


Code	Ø mm	Thickness mm	Pressures bar	Weight g/m	Length m	Pack
90000GR 20	20	1.5	16	235	4 m	8
90000GR 25	25	1.5	16	298	4 m	8
90000GR 32	32	1.5	16	387	4 m	9
90000GR 40	40	1.5	16	490	4 m	9
90000GR 50	50	2	16	814	4 m	4
90000GR 63	63	2	16	1034	4 m	4
90000GR 80	80	2	16	1283	4 m	2
90000GR 110	110	2.5	16	2280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

9000060 (6m)

RAL5010

colour: 
BLUE



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

9000060GR (6m)

RAL7035

colour: 
GREY



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

9000060VE (6m)

RAL6029

colour: 
GREEN



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

9000060AZ (6m)

RAL5012

colour: 
LIGHT BLUE



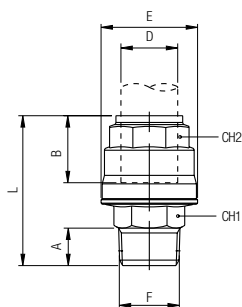
Code	Ø mm	Thickness mm	Pressures bar	Weight g/m	Length m	Pack
9000060AZ 20	20	1.5	16	235	6 m	8
9000060AZ 25	25	1.5	16	298	6 m	8
9000060AZ 32	32	1.5	16	387	6 m	9
9000060AZ 40	40	1.5	16	490	6 m	4
9000060AZ 50	50	2	16	814	6 m	4
9000060AZ 63	63	2	16	1034	6 m	2
9000060AZ 80	80	2	16	1283	6 m	2
9000060AZ 110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

PUSH-IN FITTINGS FOR INSTALLATION OF COMPRESSED AIR PIPEWORK



90010

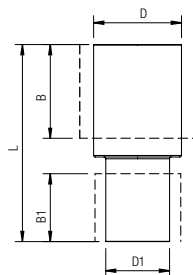
STRAIGHT MALE ADAPTOR



Code	D	F	A	B	E	L	CH1	CH2	Pack
90010 20 1/2	20	1/2	14	31.5	34.5	56	22	30	5
90010 20 3/4	20	3/4	16.5	31.5	34.5	61	22	30	5
90010 25 3/4	25	3/4	16.5	38.5	42.5	66	27	35	5
90010 25 1	25	1"	19	38.5	42.5	70.5	27	35	5
90010 32 1	32	1"	19	46	52	76.5	34	45	2
90010 40 1 1/4	40	1"1/4	21.5	52	63	89.5	45	55	2
90010 40 1 1/2	40	1"1/2	21.5	52	63	92	50	55	2
90010 50 1 1/2	50	1"1/2	21.5	63.5	73	105	50	65	2
Aluminium									
90010A 63 2	63	2"	24	57.5	94	109.5	65	75	2
90010A 63 2 1/2	63	2"1/2	24	57.5	94	106.5	75	75	2

90012

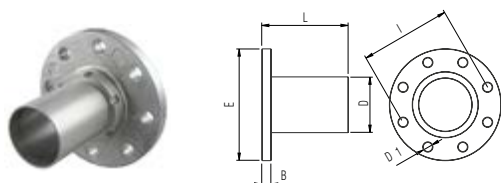
TUBE-TUBE REDUCER



Code	D	D1	B	B1	L	Pack.
90012 80	80	63	91	57.5	168	1
90012 110	110	80	150.5	91	247	1

90015

FLANGED TUBE

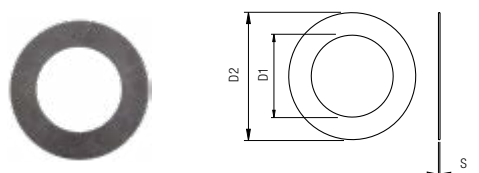


Code	D	B	E	L	D1	I	Pack
90015 80	80	20	200	155	18	160	1
90015 110	110	20	220	183	18	180	1

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

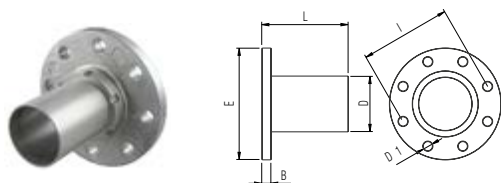


Code	Tube	D1	D2	S	Pack
90017 80	80	89	131	2	1
90017 110	110	115	162	2	1

90018

FLANGED TUBE

ANSI 150-LB



Code	D	B	E	L	D1	I	Pack
90018 80	80	20	190.5	155	19	152.5	1
90018 110	110	20	228.5	183.5	19	190.5	1

The connection dimensions of the flange are designed in conformity with standard ANSI 150-LB (Flange made in aluminium alloy).

90019

FLANGE KIT

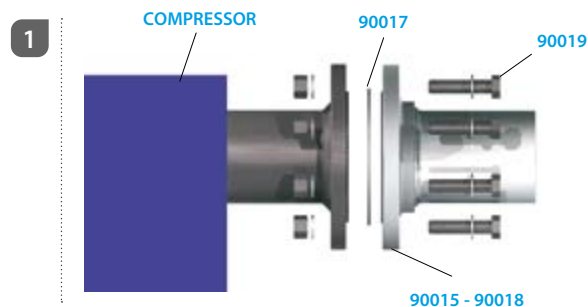


Code	Thread	Size	Pack
90019	M16	65 mm	1

KIT: 8 screws + 8 nuts + 16 washers

Assembling 90015 - 90018

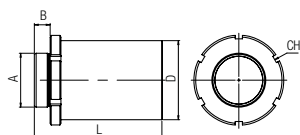
- 1 To connect the pipework system to the compressor use flanged tube 90015
- 2 Lay flange gasket 90017 between compressor flange and 90015. Tighten the eight screws 90019. Tightening torque 60 Nm.



90020

TUBE-MALE REDUCER

New

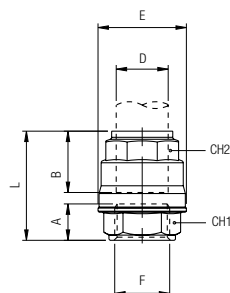


Code	D	A	B	L	CH*	Pack
90020 80 2 1/2	80	2"-1/2	22	143	100	1
90020 80 3	80	3"	23	144	100	1
90020 110 2 1/2	110	2"-1/2	22	178	125	1
90020 110 3	110	3"	23	179	125	1
90020 110 4	110	4"	23	179	125	1

*Hook wrench dimensions

90030

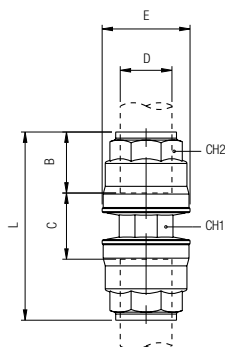
STRAIGHT FEMALE ADAPTOR



Code	D	F	A	B	E	L	CH1	CH2	Pack
90030 20	20	1/2	15	31.5	34.5	49	24	30	5
90030 25	25	3/4	16.5	38.5	42.5	56.5	32	35	5
90030 32	32	1"	19	46	52	66.5	38	45	2
90030 40	40	1"1/4	22	52	63	76	50	55	2
90030 50	50	1"1/2	22	63.5	73	85.5	55	65	2

90040

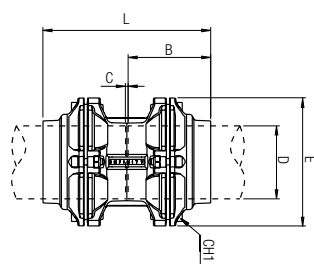
STRAIGHT CONNECTOR



Code	D	B	C	E	L	CH1	CH2	Pack
90040 20	20	31.5	14.5	34.5	76.5	21	30	2
90040 25	25	38.5	13.5	42.5	90.5	26	35	2
90040 32	32	46	14.5	52	106.5	32	45	2
90040 40	40	52	21	63	125	41	55	2
90040 50	50	63.5	21.5	73	148.5	50	65	2
Aluminium								
90040A 63	63	57.5	44	94	159	73	75	1

90040

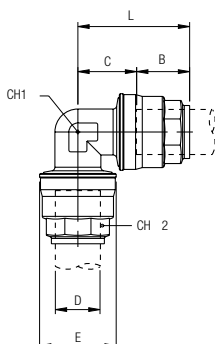
STRAIGHT CONNECTOR (Ø 80-110)



Code	D	B	C	E	L	CH1	Pack
90040 80	80	91	3.5	145	186	6	2
90040 110	110	125.5	4	200	255	8	1

90130

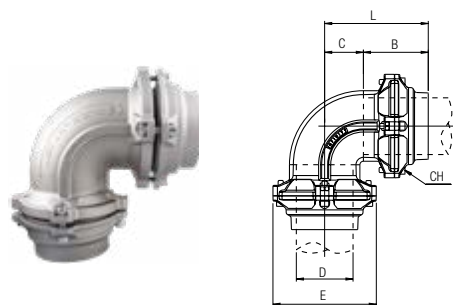
ELBOW CONNECTOR



Code	D	B	C	E	L	CH1	CH2	Pack
90130 20	20	31.5	19	34.5	51	21	30	4
90130 25	25	38.5	23	42.5	61.5	26	35	4
90130 32	32	46	28	52	74.5	34	45	2
90130 40	40	52	34	63	86.5	41	55	2
90130 50	50	63.5	40.5	73	104	50	65	2
Aluminium								
90130A 63	63	57.5	55.5	94	113	73	75	1

90130

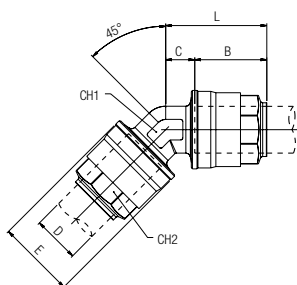
ELBOW CONNECTOR (Ø 80-110)



Code	D	B	C	E	L	CH	Pack
90130 80	80	91	54.5	145	146	6	2
90130 110	110	125.5	75	200	200.5	8	1

90140

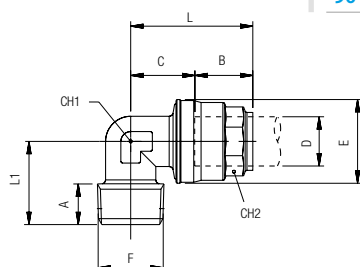
135° CONNECTOR



Code	D	B	C	E	L	CH1	CH2	Pack
90140 20	20	31.5	12.5	34.5	44	21	30	4
90140 25	25	38.5	13.5	42.5	52	26	35	4
90140 32	32	46	15	52	61	34	45	2
90140 40	40	52	18	63	70	41	55	2
90140 50	50	63.5	20	73	83.5	50	65	2
Aluminium								
90140A 63	63	57.5	24	94	82	73	75	1

90150

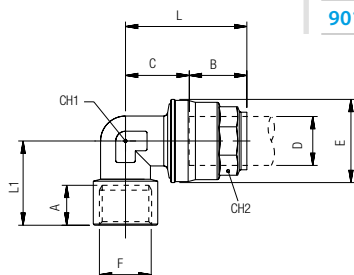
ELBOW CONNECTOR MALE-THREAD



Code	D	F	A	B	C	E	L	L1	CH1	CH2	Pack.
90150 20 1/2	20	1/2	14	31.5	19	34.5	51	32	21	30	4
90150 25 3/4	25	3/4	16.5	38.5	23	42.5	61.5	37	26	35	4
90150 32 1	32	1"	19	46	28	52	74.5	49	34	45	2
90150 40 1 1/4	40	1"-1/4	21.5	52	34	63	86.5	54	41	55	2
90150 50 1 1/2	50	1"-1/2	21.5	63.5	40.5	73	104	59	50	65	2

90160

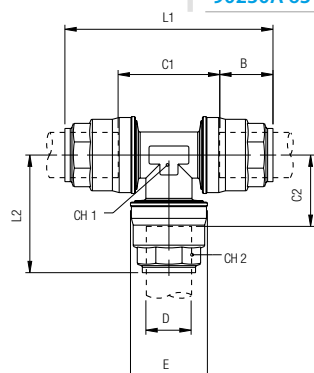
ELBOW CONNECTOR FEMALE-THREAD



Code	D	F	A	B	C	E	L	L1	CH1	CH2	Pack
90160 20 1/2	20	1/2	13	31.5	19	34.5	51	34.5	21	30	4
90160 25 3/4	25	3/4	14.5	38.5	23	42.5	61.5	38.5	26	35	4
90160 32 1	32	1"	16.5	46	28	52	74.5	47.5	34	45	2
90160 40 1 1/4	40	1"-1/4	20	52	34	63	86.5	56.5	41	55	2
90160 50 1 1/2	50	1"-1/2	22	63.5	40.5	73	104	64.7	50	65	2

90230

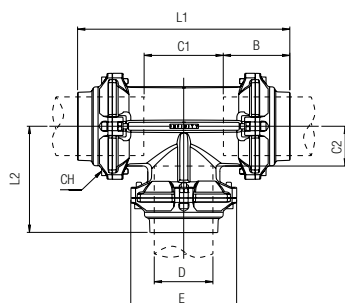
TEE CONNECTOR



Code	D	E	B	C1	C2	L1	L2	CH1	CH2	Pack
90230 20	20	34.5	31.5	34.5	22.5	98	54.5	21	30	3
90230 25	25	42.5	38.5	37.5	26	113.5	65	26	35	3
90230 32	32	52	46	46.5	31.5	138.5	77	34	45	2
90230 40	40	63	52	55.5	38	159.5	90	41	55	1
90230 50	50	73	63.5	69	44.5	196	108	50	65	1
Aluminium										
90230A 63	63	94	57.5	111	55.5	226	113	73	75	1

90230

TEE CONNECTOR (Ø 80-110)

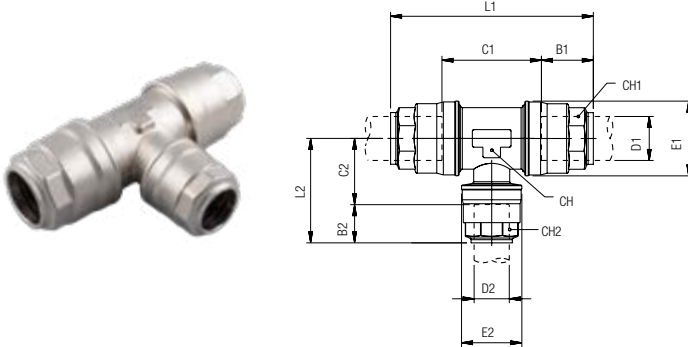


Code	D	E	B	C1	C2	L1	L2	CH	Pack
90230 80	80	145	91	109	54.5	291.5	138	6	1
90230 110	110	200	125.5	150.5	75	401	200.5	8	1

90235

REDUCING TEE C/W WATER TRAP

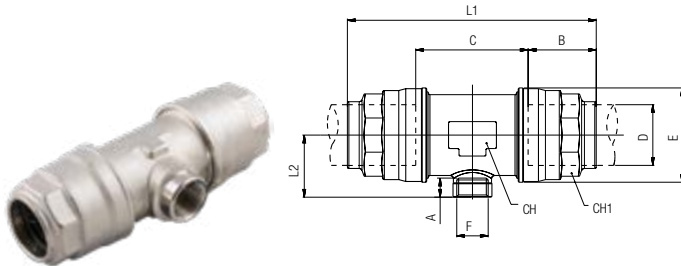
Code	D1	D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2	Pack
90235 20 20	20	20	31.5	31.5	48	22.5	34.5	34.5	109	54	28	30	30	3
90235 25 20	25	20	38.5	31.5	45.5	27.5	42.5	34.5	121.5	59	35	35	30	3
90235 32 20	32	20	46	31.5	54.5	31.5	52	34.5	146.5	63	45	45	30	2
90235 32 25	32	25	46	38	54.5	31.5	52	42.5	146.5	70	45	45	35	2
90235 40 20	40	20	52.5	31.5	60	34.5	63	34.5	165.5	66	55	55	30	2
90235 40 25	40	25	52.5	38	60	34.5	63	42.5	165.5	73	55	55	35	2
90235 50 20	50	20	63.5	31.5	73.5	41.5	73	34.5	201	73	65	65	30	1
90235 50 25	50	25	63.5	38.5	73.5	41	73	42.5	201	80	65	65	35	1
90235 50 32	50	32	63.5	46	73.5	41	73	52	201	87.5	65	65	45	1



90236

REDUCING TEE C/W WATER TRAP - BSP FEMALE

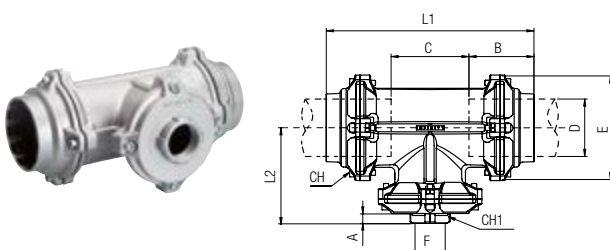
Code	D	F	A	B	C	E	L1	L2	CH	CH1	Pack
90236 20 3/8	20	3/8	11	31.5	48	34.5	109	25	28	30	3
90236 20 1/2	20	1/2	13.5	31.5	48	34.5	109	28	28	30	3
90236 25 3/8	25	3/8	11	38.5	45.5	42.5	121.5	29	35	35	3
90236 25 1/2	25	1/2	13.5	38.5	45.5	42.5	121.5	31	35	35	2
90236 32 1/2	32	1/2	13.5	46	54.5	52	146.5	36.5	45	45	2
90236 40 1/2	40	1/2	13.5	52.5	60	63	165.5	41.5	55	55	2
90236 50 3/4	50	3/4	14.5	63.5	73.5	73	201	47.5	65	65	1
Aluminium											
90236A 63 1/2	63	1/2	13.5	57.5	88	94	203	53	80	75	1
90236A 63 3/4	63	3/4	14.5	57.5	88	94	203	54	80	75	1
90236A 63 1	63	1"	17.5	57.5	88	94	203	56.5	80	75	1



90236

FEMALE FITTING FOR OUTLET (Ø 80-110)

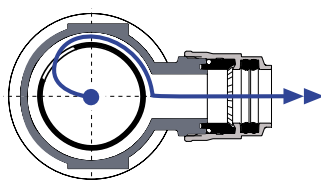
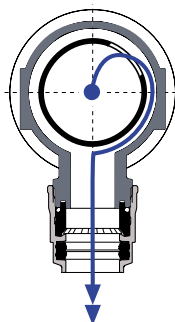
Code	D	F	A	B	C	E	L1	L2	CH	CH1	Pack
90236 80 3/4	80	3/4	14.5	91	109	145	291.5	138	6	42	1
90236 80 1	80	1"	17	91	109	145	291.5	138	6	49	1
90236 80 1 1/2	80	1"-1/2	20	91	109	145	291.5	138	6	66	1
90236 80 2	80	2"	22	91	109	145	291.5	138	6	80	1
90236 80 3/4	110	3/4	14.5	125.5	150.5	200	401	180	8	42	1
90236 80 1	110	1"	17	125.5	150.5	200	401	180	8	49	1
90236 80 1 1/2	110	1"-1/2	20	125.5	150.5	200	401	180	8	66	1
90236 80 2	110	2"	22	125.5	150.5	200	401	180	8	80	1



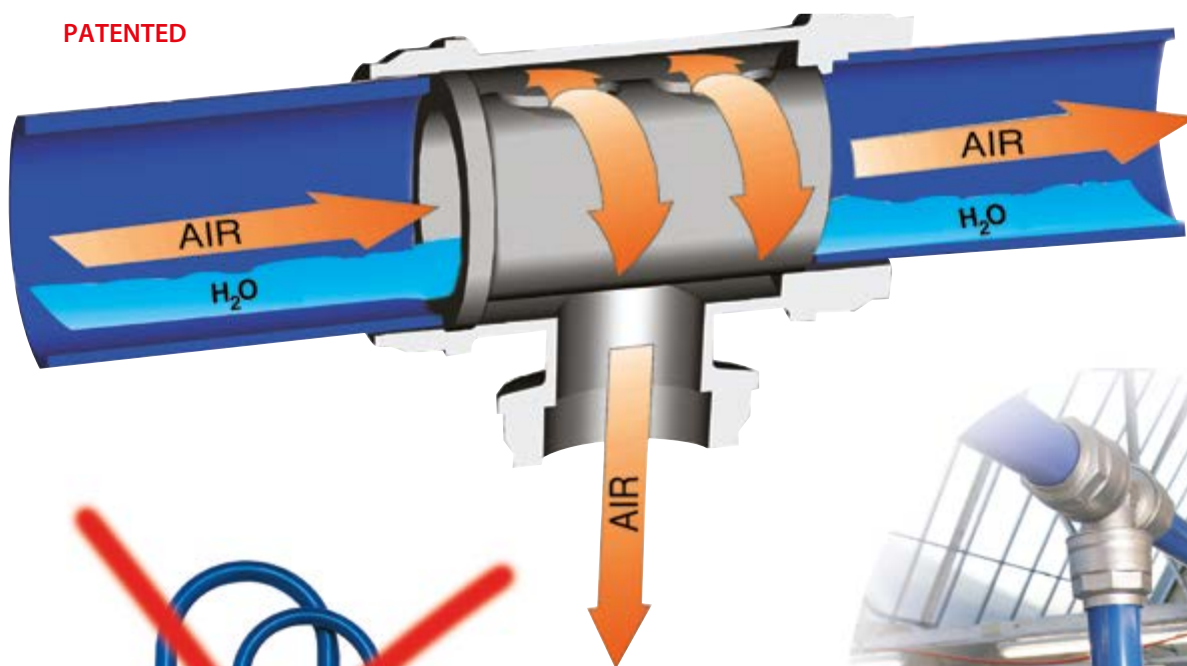
Function

This fitting is an alternative to the traditional swan-neck as a quicker and cost effective solution.

The efficient internal system allows the air to reach the usage points without any condensate which stays within the main circuit and then it can be drained in the most convenient point.

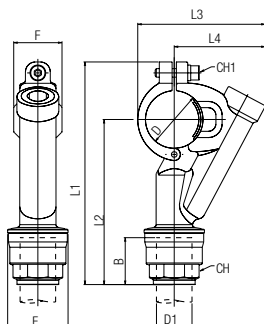


PATENTED

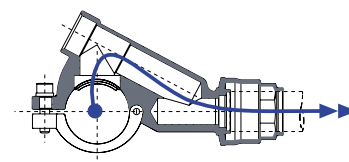
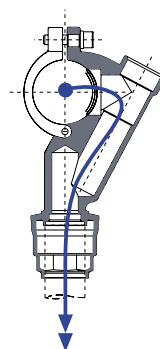


90240

SADDLE CLAMP CONNECTOR

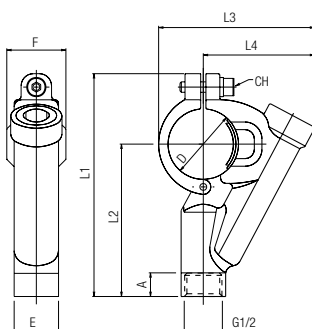


Code	D	D1	B	E	F	L1	L2	L3	L4	CH	CH1	Pack
90240 32 20	32	20	31.5	34.5	34	136.5	100.5	78	57	30	5	6
90240 32 25	32	25	38.5	42.5	34	144.5	108.5	78	57	35	5	6
90240 40 20	40	20	31.5	34.5	34	148.5	108	89.5	64	30	5	4
90240 40 25	40	25	38.5	42.5	34	156.5	116	89.5	64	35	5	4
90240 50 20	50	20	31.5	34.5	42.5	167.5	118.5	105.5	74	30	6	2
90240 50 25	50	25	38.5	42.5	42.5	175.5	126.5	105.5	74	35	6	1
90240 63 20	63	20	31.5	34.5	42.5	185	130	119	81	30	6	1
90240 63 25	63	25	38.5	42.5	42.5	193	138	119	81	35	6	1

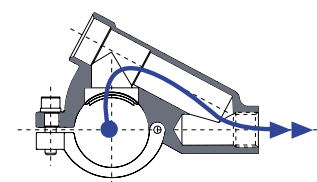
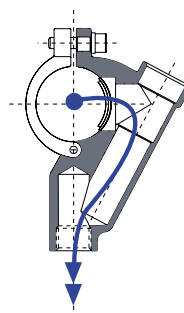


90246

FEMALE-THREAD SADDLE CLAMP CONNECTOR

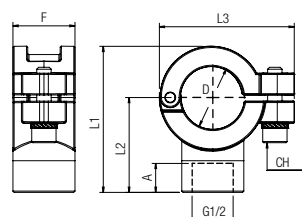


Code	D		A	E	F	L1	L2	L3	L4	CH	Pack
90246 32 1/2	32	1/2	13	25.5	34	115	79	78	57	5	2
90246 40 1/2	40	1/2	13	25.5	34	125.5	85	89.5	64	5	2
90246 50 1/2	50	1/2	13	25.5	42.5	144.5	95.5	105.5	74	6	2
90246 63 1/2	63	1/2	13	25.5	42.5	162	107	119	81	6	1



90247

FEMALE-THREAD SADDLE CLAMP CONNECTOR

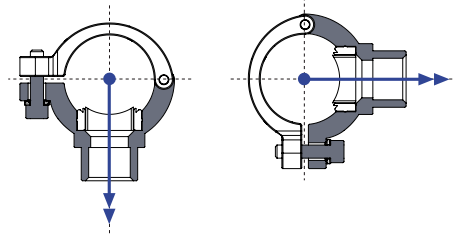
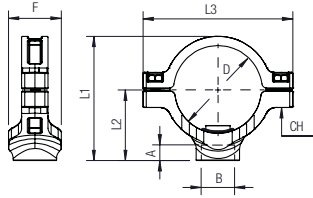


Code	D		A	F	L1	L2	L3	CH	Pack
90247 25 1/2	25	1/2	15	25.5	50	39	55.5	5	2
90247 32 1/2	32	1/2	15	34	63.5	42.5	61.5	5	2
90247 40 1/2	40	1/2	15	34	71	46	70	5	2
90247 50 1/2	50	1/2	15	42.5	83.5	52	84.5	6	2
90247 63 1/2	63	1/2	15	42.5	95.5	57.5	97	6	1

90247

FEMALE SADDLE CLAMP CONNECTOR (Ø 80-110)

Code	D	B	A	F	L1	L2	L3	CH	Pack
90247 80 3/4	80	3/4	16.5	50	117.5	66.5	141.5	6	1
90247 80 1	80	1"	19	50	120	69	141.5	6	1
90247 110 3/4	110	3/4	16.5	50	152.5	82	189.5	8	1
90247 110 1	110	1"	19	50	155	84.5	189.5	8	1



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

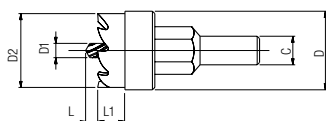
Contact us to discuss your project and interest in our product and service support solutions:

- Tel. +44 (0)1404 548 008
- E-mail. sales@infinitypipework.co.uk
- Web. www.infinitypipework.co.uk

90241

TOOL FOR SADDLE CLAMP CONNECTOR

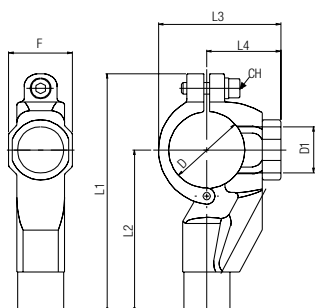
Code	Tube	C	D	D1	D2	L	L1	Pack
90241 25	25	9	17.5	6	17	3	10	1
90241 32 40	32 - 40	9	24	6	23.5	3	10	1
90241 50 63	50 - 63	9	31	6	30.5	3	9	1



90242

DRILLING JIG

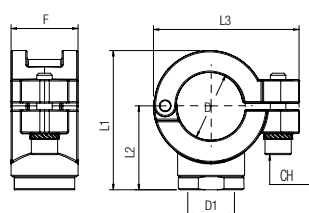
Code	D	D1	F	L1	L2	L3	L4	CH	Pack
90242 32	32	24.5	34	115	79	56	35	5	1
90242 40	40	24.5	34	127	86.5	65	39.5	5	1
90242 50	50	32	42.5	146	97	79	47.5	6	1
90242 63	63	32	42.5	163.5	108.5	93	55	6	1



90249

DRILLING JIG

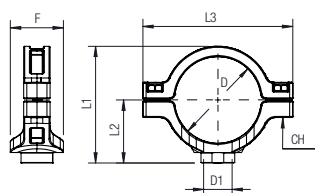
Code	D	D1	F	L1	L2	L3	CH	Pack
90249 25	25	17.8	25.5	53	32	55.5	5	1
90249 32	32	24.5	34	56	35	61.5	5	1
90249 40	40	24.5	34	65	40	70	5	1
90249 50	50	32	42.5	79	47.5	84.5	6	1
90249 63	63	32	42.5	93	55	97	6	1



90249

DRILLING JIG Ø (80-110)

Code	D	D1	F	L1	L2	L3	CH	Pack
90249 80	80	24.5	50	110.5	59.5	141.5	6	1
90249 110	110	24.5	50	135.5	64.5	189.5	8	1



Mounting instructions flange

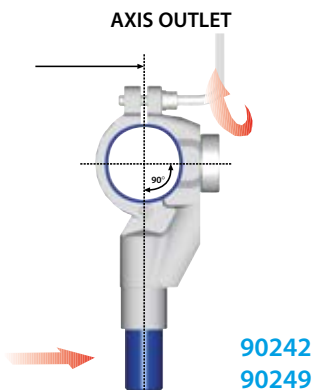
Saddle clamp allows to set up a new drop in an existing system without removing tubes.

- 1 Depressurisation.
- 2 Mount 90242 on tube wherever necessary. Be careful that jig bore must intersect the axis of tube drop.
It is possible to connect a tube diameter $\varnothing 20$ to enable easier positioning of the drilling jig.
- 3 Drill the tube with the correct tool 90241.

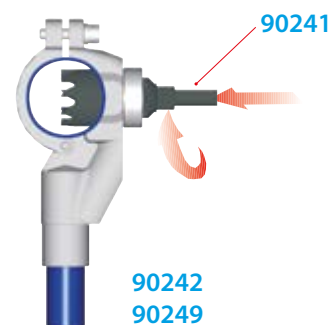
1



2

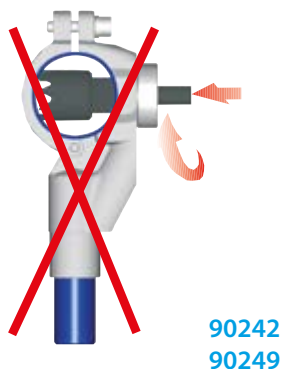


3



- 4 Do not damage the tube.
- 5 Take down 90242 and remove residual material
- 6 Mount and tighten 90240.
Ensure the lipseal is seated correctly and tighten.

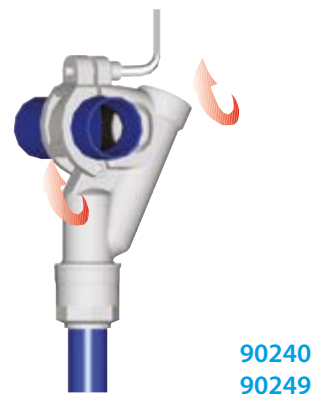
4



5



6



90252

New

DRILLING TOOL FOR INFINITY TUBES



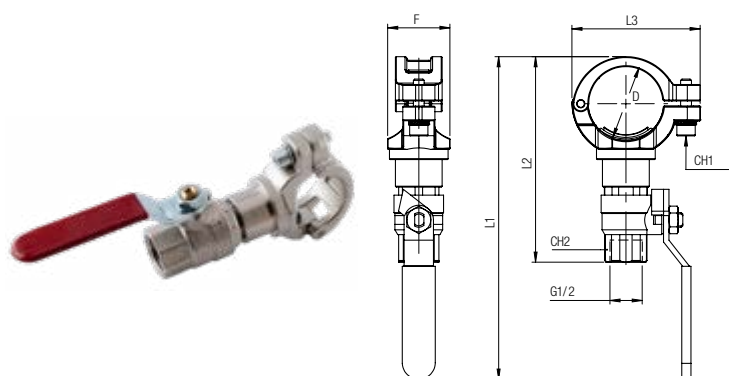
Code	Dimensions	Pack
90252	25-32-40-50-63	1

90253

New

SADDLE CLAMP CONNECTOR WITH VALVE
(HOT-TAP)

Code	D1	D2	F	L1	L2	L3	CH1	CH2	Pack
90253 25 1/2	25	1/2	25.5	161	97.5	55.5	5	25	1
90253 32 1/2	32	1/2	34	168	104	61.5	5	25	1
90253 40 1/2	40	1/2	34	176	112	70	5	25	1
90253 50 1/2	50	1/2	42.5	188	125	84.5	6	25	1
90253 63 1/2	63	1/2	42.5	200	137	97	6	25	1



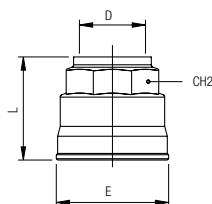
Mounting instructions flange 90253

- 1 Mount the saddle clamp 90253 on tube and tighten carefully – open the valve.
- 2 Mount the drilling tool 90252 on valve and tighten it carefully.
- 3 Mount the drill on the drilling tool 90252 and drill the tube until it stops.
- 4 Remove the drill and pull back the drill bit; close the valve before removing the drilling tool.



90610

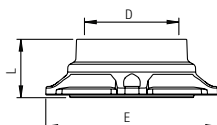
PLUG



Code	D	L	E	CH2	Pack
90610 20	20	33	34.5	30	10
90610 25	25	39	42.5	35	6
90610 32	32	46.5	52	45	4
90610 40	40	53	63	55	4
90610 50	50	62	73	65	2
Aluminium					
90610A 63	63	64	94	75	1

90610

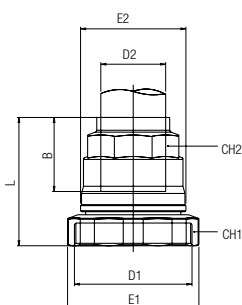
PLUG (Ø 80-110)



Code	D	L	E	Pack
90610 80	80	49.5	145	1
90610 110	110	68	200	1

90620

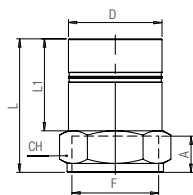
REDUCER



Code	D1	D2	B	E1	E2	L	CH1	CH2	Pack
90620 25 20	25	20	31.5	43.5	34.5	48	42	30	5
90620 32 20	32	20	31.5	54	34.5	48.5	52	30	5
90620 32 25	32	25	38.5	54	42.5	55	52	35	5
90620 40 20	40	20	31.5	65	34.5	50	63	30	4
90620 40 25	40	25	38.5	65	42.5	56.5	63	35	4
90620 40 32	40	32	46	65	52	63.5	63	45	3
90620 50 25	50	25	38.5	75	42.5	55	73	35	1
90620 50 32	50	32	46	75	52	63.5	73	45	1
90620 50 40	50	40	52	75	63	69	73	55	1
90620A 63 40	63	40	52	95	63	84.5	92	55	1
90620A 63 50	63	50	63.5	95	73	92.5	92	65	1

90625

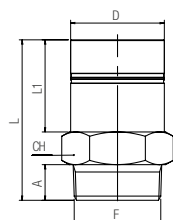
FEMALE REDUCER



Code	D	F	A	L	L1	CH	Pack
Aluminium							
90625A 63 1 1/2	63	1"1/2	20	84	62	65	2
90625A 63 2	63	2"	22	90	62	65	2

90627

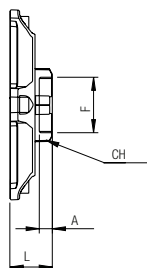
MALE REDUCER



Code	D	F	A	L	L1	CH	Pack
Aluminium							
90627A 63 2	63	2"	24	108	62	65	2

90630

FEMALE REDUCER

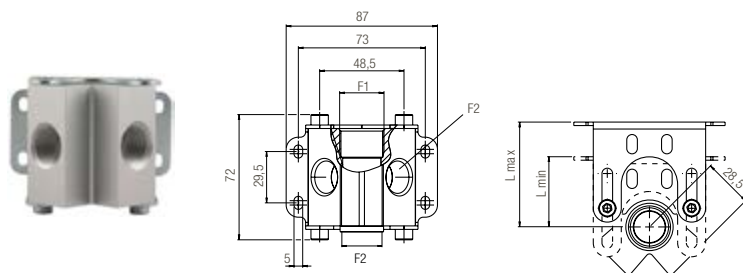


Code	Tube	F	A	L	CH	Pack
90630 80 3/4	80	3/4	14.5	42	42	1
90630 80 1	80	1"	17	42	49	1
90630 80 1 1/2	80	1"-1/2	20	42	66	1
90630 80 2	80	2"	22	42	80	1
90630 110 3/4	110	3/4	14.5	48	42	1
90630 110 1	110	1"	17	48	49	1
90630 110 1 1/2	110	1"-1/2	20	48	66	1
90630 110 2	110	2"	22	48	80	1

90642

2 PORT MANIFOLD

Code	F1	F2	n°	Lmax	Lmin	Pack
90642 1/2 1/2 2	1/2	1/2	2	60	35	1
90642 3/4 1/2 2	3/4	1/2	2	60	35	1



INSTALLATION EXAMPLE

90642
90010
661



90642
90720
661



90642
90010
6310
661



90642
90720
6310
661



90642
90010
6310
191



90642
90720
6310
191



90642
90010
191



90642
90720
191



90642
90010
2060
T100
661

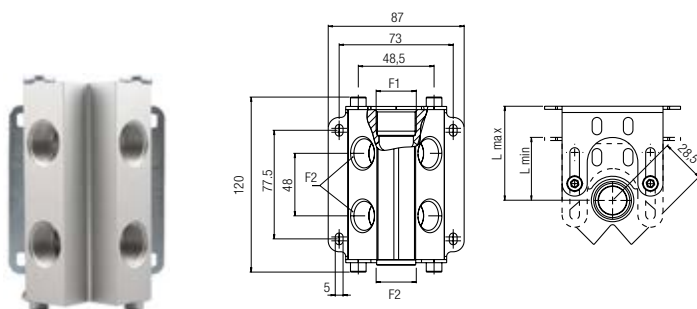


New

90644

4 PORT MANIFOLD

Code	F1	F2	n°	Lmax	Lmin	Pack
90644 1/2 1/2	1/2	1/2	4	60	35	1
90644 3/4 1/2	3/4	1/2	4	60	35	1



INSTALLATION EXAMPLE

90644
90010
661



90644
90720
661



90644
90010
6310
661



90644
90010
6310
661



90644
90010
6310
661



90644
90720
191



90644
90010
6310
191



90644
90720
6310
191



90644
90010
2060
T100
661

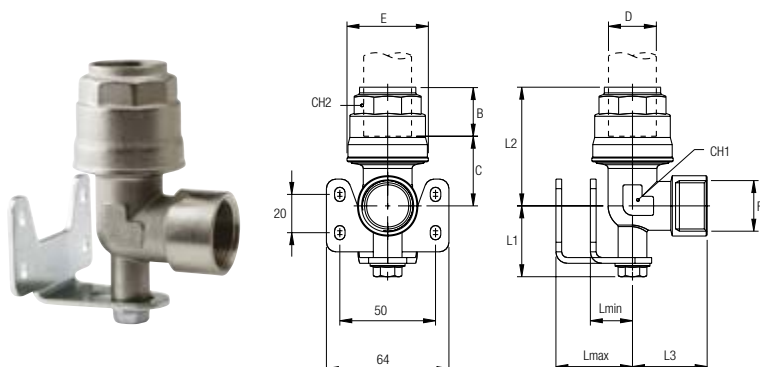


New

90600

BRACKET FITTING - ADJUSTABLE
FEMALE-THREAD

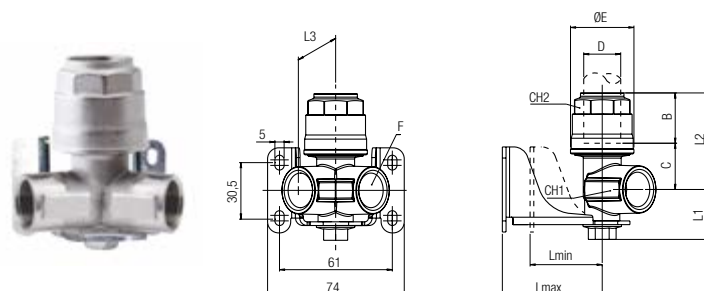
Code	D	F	B	C	E	L1	L2	L3	Lmax	Lmin	CH1	CH2	Pack
90600 20 1/2	20	1/2	31.5	19.5	34.5	35	51	35	40	22	21	30	4
90600 25 3/4	25	3/4	38.5	23	42.5	37	62	39	40	22	26	35	3
90600 32 1	32	1"	46	28	52	41	74.5	48.5	40	26	34	45	2



90602

2 PORT MANIFOLD - ADJUSTABLE
FEMALE-THREAD

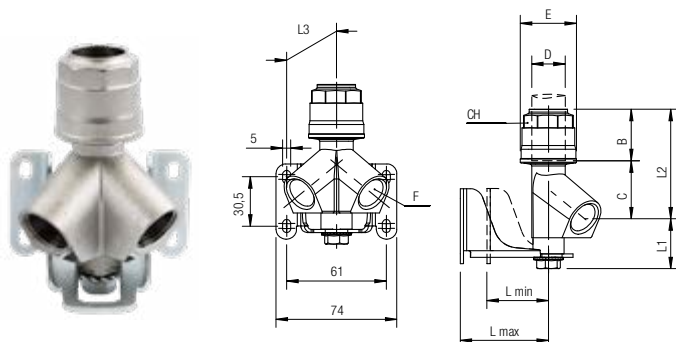
Code	D	F	B	C	E	I	L1	L2	Lmin	Lmax	CH1	CH2	Pack
90602 20 1/2	20	1/2	31.5	20	34.5	28.5	27	51.5	22	54	26	30	2
90602 25 1/2	25	1/2	38.5	21	42.5	28.5	27	59	22	54	26	35	2



90660

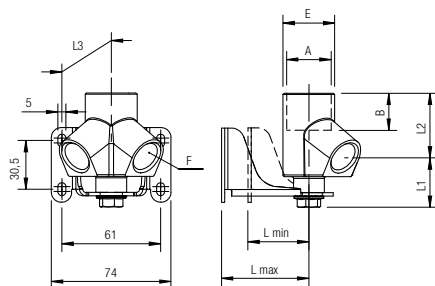
2 PORT INCLINED MANIFOLD FEMALE-THREAD

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



90662

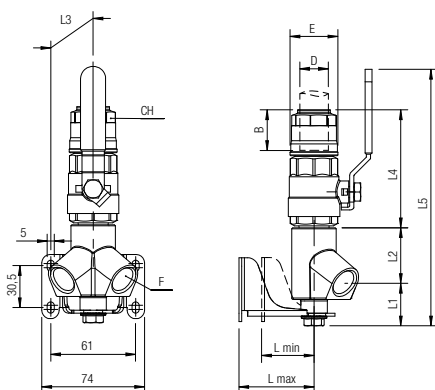
2 PORT 45° DEGREE MANIFOLD
FEMALE-THREAD



Code	A	F	B	E	L1	L2	L3	L min	L max	Pack
90662 1/2 1/2	1/2	1/2	13	32	31	40.5	37.5	22	54	2
90662 3/4 1/2	3/4	1/2	16.5	32	31	39	37.5	22	54	2

90664

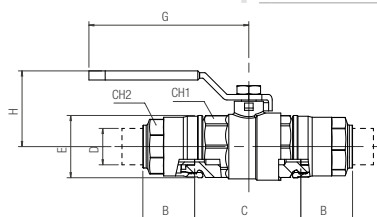
2 PORT 45° MANIFOLD VALVE FEMALE-THREAD



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

90700

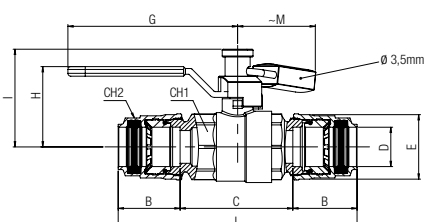
BALL VALVE TUBE-TUBE



Code	D	(DN)	B	C	E	L	CH1	CH2	G	H	Pack
90700 20	20	17	31.5	58.5	34.5	121.5	32	30	88	42	2
90700 25	25	22	38.5	61.5	42.5	138.5	41	35	106	47.5	2
90700 32	32	29	46	75	52	167	50	45	106	53	2
90700 40	40	37	52.5	81	63	186	59	55	134	65	1
90700 50	50	46	63.5	103	73	230	69	65	134	72.5	1
Aluminium											
90700A 63	63	59	57.5	126	94	232	89	75	240	111.5	1

90705

BALL VALVE TUBE-TUBE WITH PADLOCK

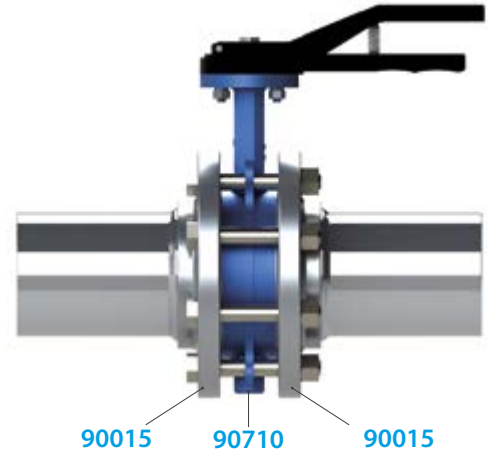
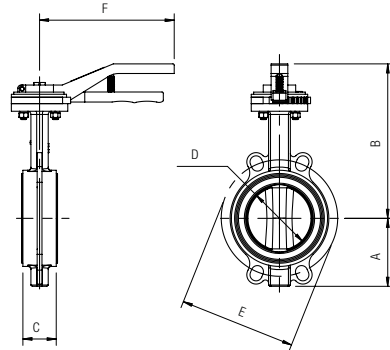


Code	D	(DN)	B	C	E	L	CH1	CH2	G	H	I	M	Pack
90705 20	20	17	31.5	58.5	34.5	121.5	32	30	88	42	50.7	45	2
90705 25	25	22	38.5	61.5	42.5	138.5	41	35	106	47.5	59.5	45	2
90705 32	32	29	46	75	52	167	50	45	106	53	65	45	2
90705 40	40	37	52.5	81	63	186	59	55	134	65	74.5	47	1
90705 50	50	46	63.5	103	73	230	69	65	134	72.5	82	47	1

90710

BUTTERFLY VALVE + SCREWS + NUTS
+ WASHERS

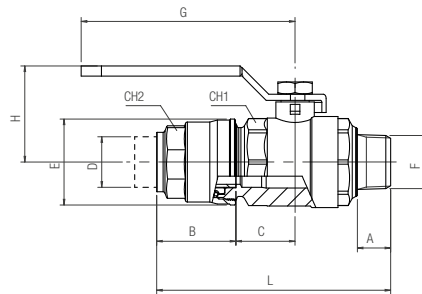
Code	D	DN	A	B	C	E	F	Pack
90710 80	80	77	87	216	46	160	265	1
90710 110	110	100	106	201	52	180	265	1



90720

MALE-THREAD BALL VALVE

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

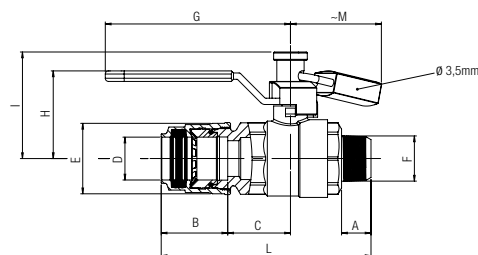


90725

New

MALE-THREAD BALL VALVE WITH PADLOCK

Code	D	F	DN	A	B	C	E	L	CH1	CH2	G	H	I	M	Pack
90725 20 1/2	20	1/2	15	18	31.5	29.3	34.5	100.8	32	30	88	42	50.7	45	2
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	2

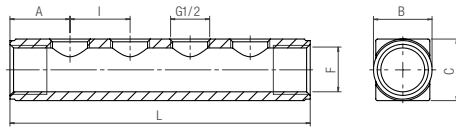


90790

4 PORT DISTRIBUTION MANIFOLD

New

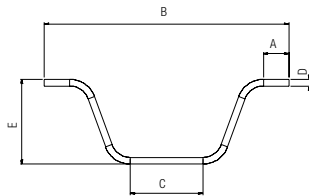
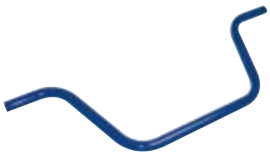
Code	F		A	B	C	L	I	Pack
9079000001	3/4	1/2	25	31	34	164	38	1
9079000002	1"	1/2	30	37,5	37	174	38	1
9079000003	1"-1/4	1/2	30	47	50	210	50	1



90800

"C" TUBE TO AVOID OBSTACLES

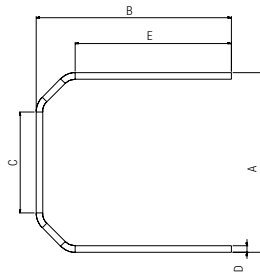
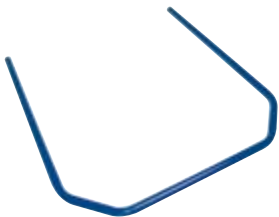
Code	D	A	B	C	E	Pack
90800 20	20	75	760	254	250	1
90800 25	25	75	743	240	250	1



90805

"U" TUBE TO AVOID OBSTACLES

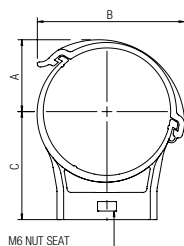
Code	D	A	B	C	E	Pack
90805 20	20	690	753	394	605	1
90805 25	25	690	755	389	604	1
90805 32	32	690	773	352	604	1
90805 40	40	690	784	289	583	1



90815

COLLAR MADE IN TECHNOPOLYMERIC WITH M6 NUT

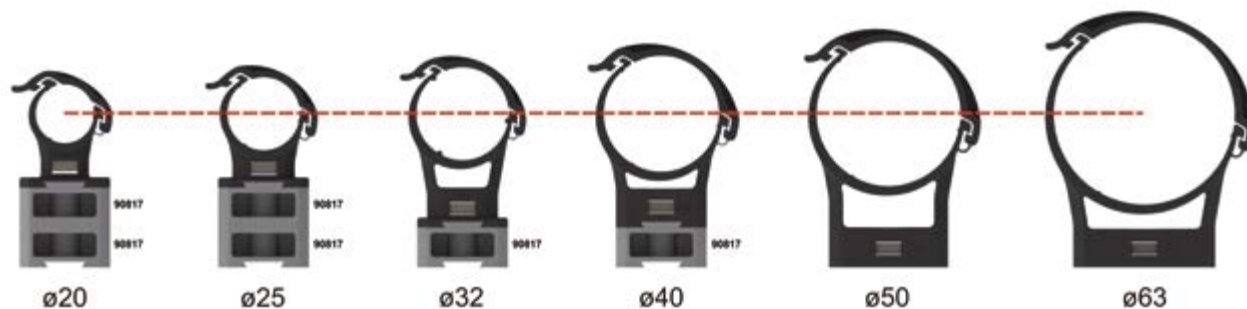
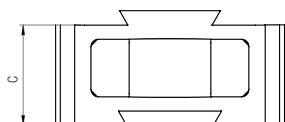
Code	Tube	A	B	C	Pack
90815 20	20	15	35.5	26	5
90815 25	25	17	39.5	26	5
90815 32	32	20	44.5	40	5
90815 40	40	24.5	53.5	40	5
90815 50	50	30	62	54	5
90815 63	63	36	73.5	54	5



90817

SPACER FOR COLLARS 90815 MADE IN TECHNO-POLYMERIC

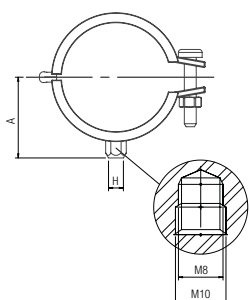
Code	C	Pack
90817	14	5



90820

COLLAR MADE IN STEEL

Code	Tube	H	A	Pack
90820 20	20	M8 / M10	28.5	5
90820 25	25	M8 / M10	31	5
90820 32	32	M8 / M10	34.5	5
90820 40	40	M8 / M10	39.5	5
90820 50	50	M8 / M10	44	5
90820 63	63	M8 / M10	51	5
90820 80	80	M8 / M10	71	4
90820 110	110	M8 / M10	81.5	2

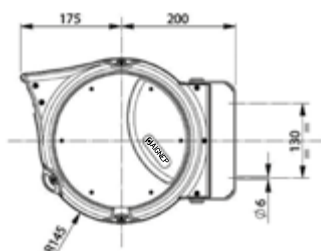


HOSE REEL (RETRACTABLE)



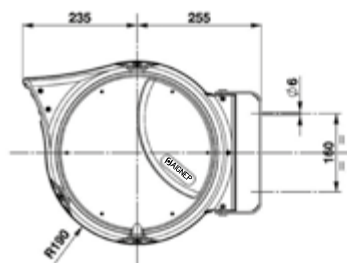
9082500001

9+1



9082500003

15+1



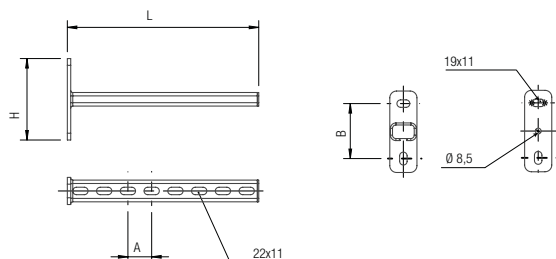
	90825 00001 9+1	90825 00 003 15+1
Polyurethane tube	Ø INT. 8mm (5/16") Ø EXT. 12mm	Ø INT. 10mm Ø EXT. 14mm
Tube length (m)	9+1	15+1
Max pressure	15 bar (1.5 MPa)	
Temperature	- 5 °C + 40 °C	
Outlet fitting	1/4 m	3/8 m

	90825 00001 9+1	90825 00 003 15+1
Inlet fitting	NO	
Cut down size tube	1.5 m	
Air	SI	
Pack.	390x330x230 mm Kg 4.5	500x450x255 mm Kg 8.0
6 bar flow rate	450 NI/min	610 NI/min

- Metal swivel fixing bracket
- Automatic device to stop hose at chosen length.

90830

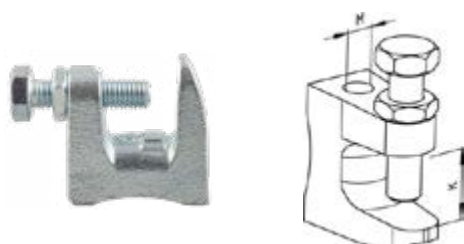
BRACKET



Code	A	B	H	L	Pack
90830	35	81	120	280	1

90860

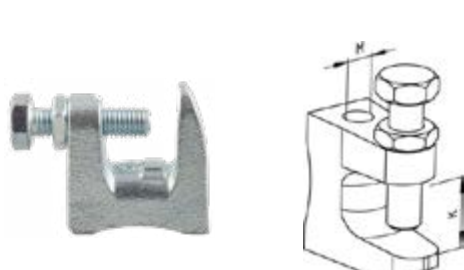
CLAMP HANGER



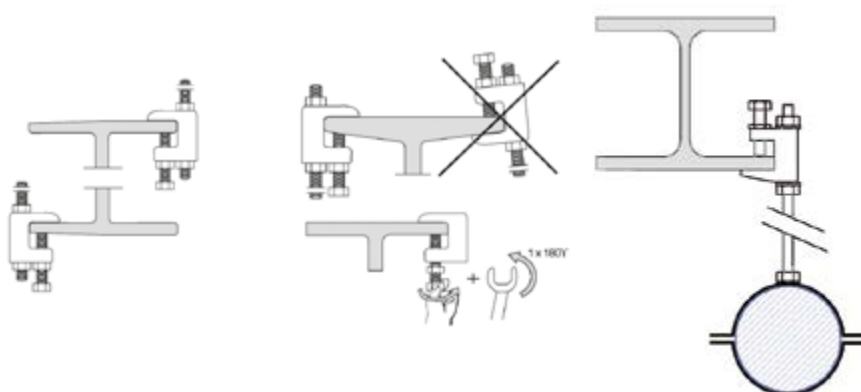
Code	M	K	Pack
90860	Ø 10	18	5

90861

THREADED CLAMP HANGER



Code	M	K	Pack
90861	M 10	18	5



90870

PIPE CUTTER



Code	Pack
90870 20 63	1
90870 50 110	1

90880

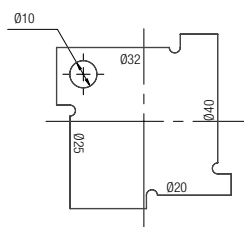
DE-BURRED



Code	Pack
90880	20 - 25 - 32 - 40
	1

90885

DEPTH GAUGE



Code	Pack
90885	20 - 25 - 32 - 40
	1

VAL01

DEMO CASE



Code	Pack
VAL01	
	1

VAL03

INFINITY TOOL KIT



Code	Pack
VAL03	
	1

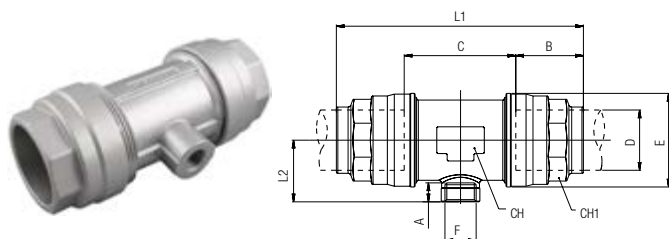
CONDENSATE DRAIN



90250

FEMALE FITTING WITH CONDENSATE
OUTLET INCORPORATED

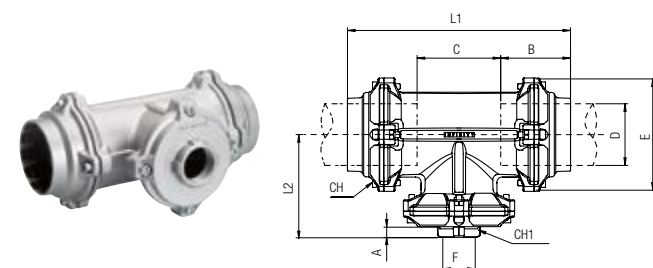
Code	D	F	A	B	C	E	L1	L2	CH	CH1	Pack
Aluminium											
90250A 63 1/2	63	1/2	13.5	57.5	88	94	203	53	80	75	1



90250

FEMALE FITTING WITH CONDENSATE
OUTLET INCORPORATED (Ø 80-110)

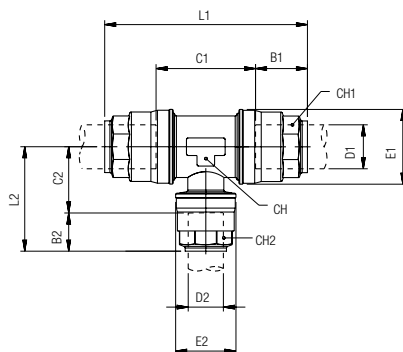
Code	D	F	A	B	C	E	L1	L2	CH	CH1	Pack
90250 80	80	3/4	14.5	91	109	145	291.5	138	6	42	1
90250 110	110	3/4	14.5	125.5	150.5	200	401	180	8	42	1



90259

FITTING WITH CONDENSATE
OUTLET INCORPORATED

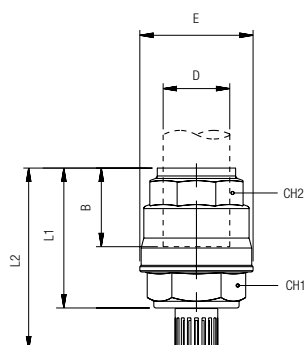
Code	D1	D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2	Pack
90259 20 20	20	20	38.5	31.5	45.5	27.5	42.5	34.5	121.5	59	35	35	30	3
90259 25 20	25	20	46	31.5	54.5	31.5	52	34.5	146.5	63	45	45	30	2
90259 32 20	32	20	46	38	54.5	31.5	52	42.5	146.5	70	45	45	35	2
90259 40 20	40	20	52.5	31.5	60	34.5	63	34.5	165.5	66	55	55	30	2
90259 50 20	50	20	52.5	38	60	34.5	63	42.5	165.5	73	55	55	35	2



90260

FITTING WITH CONDENSATE
OUTLET INCORPORATED

Code	D	B	E	L1	L2	CH1	CH2	Pack
90260 20	20	36	34.5	52.5	67	32	30	2
90260 25	25	38.5	42.5	57.5	72	32	35	2
90260 32	32	46	52	67.5	82	38	45	2
90260 40	40	52	63	77	91.5	50	55	2
90260 50	50	63.5	73	86.5	101	55	65	1
90260 63	63	59	92	84	98.5	65	70	1



ACCESSORIES



661

MALE SOCKET

Code	
661 1/4	1/4
661 3/8	3/8
661 1/2	1/2



665

SOCKET WITH REST
FOR RUBBER HOSE

Code	
665 6	6
665 8	8
665 10	10
665 12	12



662

FEMALE SOCKET

Code	
662 1/4	1/4
662 3/8	3/8
662 1/2	1/2



261AC

STEEL MALE HOSE TAIL

Code	
261AC 1/4	1/4
261AC 3/8	3/8
261AC 1/2	1/2



262AC

STEEL FEMALE HOSE TAIL

Code	
262AC 1/4	1/4
262AC 3/8	3/8
262AC 1/2	1/2



265AC

STEEL HOSE TAIL WITH REST FOR RUBBER HOSE



Code

265AC 6	6
265AC 8	8
265AC 10	10
265AC 12	12

6300

FEMALE RP ISO 7
- FEMALE RP ISO 7 VALVE



Code

6300 1/8	1/8	1/8
6300 1/4	1/4	1/4
6300 3/8	3/8	3/8
6300 1/2	1/2	1/2
6300 3/4	3/4	3/4

6310

TAPER MALE R ISO 7
- FEMALE RP ISO 7 VALVE



Code

6310 1/8	1/8	1/8
6310 1/4	1/4	1/8
6310 1/4	1/4	1/4
6310 3/8	3/8	3/8
6310 1/2	1/2	1/2
6310 3/4	3/4	3/4

6068

BALL VALVE, FEMALE G ISO 228
- FEMALE G ISO 228



Code

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"

6060

SLIDE VALVE



Code

6060 1/8	1/8
6060 1/4	1/4
6060 3/8	3/8
6060 1/2	1/2

628

EPDM SOCKET PROTECTION



Code

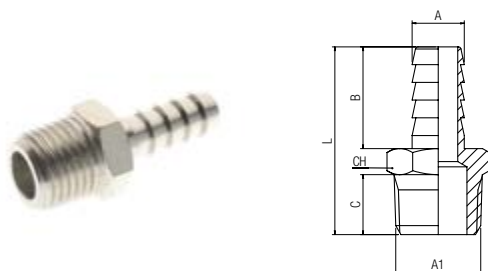
628	*6 - 8 - 10 - 12
-----	------------------

* Cut the protection on external tube diameter sign.

3040

MALE HOSE ADAPTER (TAPER)

New

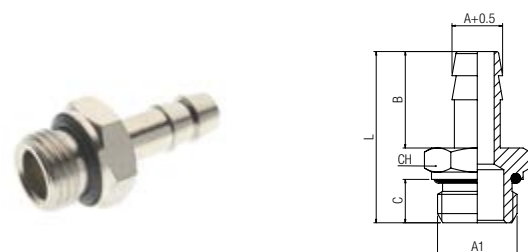


Code	A	A1	B	C	L	CH	Pack
3040 6 1/8	6	1/8	19.5	7.5	32	12	10
3040 6 1/4	6	1/4	19.5	11	35.5	14	10
3040 7 1/8	7	1/8	19.5	7.5	32	12	10
3040 7 1/4	7	1/4	19.5	11	35.5	14	10
3040 8 1/8	8	1/8	19.5	7.5	32	12	10
3040 8 1/4	8	1/4	19.5	11	35.5	14	10
3040 8 3/8	8	3/8	19.5	11.5	36	17	10
3040 9 1/8	9	1/8	19.5	7.5	32	12	10
3040 9 1/4	9	1/4	19.5	11	35.5	14	10
3040 9 3/8	9	3/8	19.5	11.5	36	17	10
3040 9 1/2	9	1/2	19.5	14	39	22	10
3040 10 1/8	10	1/8	19.5	7.5	32	12	10
3040 10 1/4	10	1/4	19.5	11	35.5	14	10
3040 10 3/8	10	3/8	19.5	11.5	36	17	10
3040 10 1/2	10	1/2	19.5	14	39	22	10
3040 11 1/8	11	1/8	19.5	7.5	32	12	10
3040 11 1/4	11	1/4	19.5	11	35.5	14	10
3040 11 3/8	11	3/8	19.5	11.5	36	17	10
3040 11 1/2	11	1/2	19.5	14	39	17	10
3040 12 1/4	12	1/4	19.5	11	35.5	14	10
3040 12 3/8	12	3/8	19.5	11.5	36	17	10
3040 12 1/2	12	1/2	19.5	14	39	22	10
3040 14 3/8	14	3/8	19.5	11.5	36	17	10
3040 14 1/2	14	1/2	19.5	14	39	22	10
3040 15 1/4	15	1/4	19.5	11	35.5	22	10
3040 15 3/8	15	3/8	19.5	11.5	36	17	10
3040 15 1/2	15	1/2	19.5	14	39	22	10
3040 15 3/4	15	3/4	19.5	14.5	43.5	27	10
3040 16 3/8	16	3/8	19.5	11.5	36	17	10
3040 16 1/2	16	1/2	19.5	14	39	22	10
3040 16 3/4	16	3/4	19.5	16.5	43.5	27	10
3040 17 3/8	17	3/8	19.5	11.5	36	18	10
3040 17 1/2	17	1/2	19.5	14	39	22	10

3044

MALE HOSE ADAPTER (PARALLEL) WITH O-RING

New



Code	A	A1	B	C	L	CH	Pack
3044 6 1/4	6	1/4	20	8	34.5	16	10
3044 7 1/8	7	1/8	20	6	31	13	10
3044 7 1/4	7	1/4	20	8	34.5	16	10
3044 8 1/8	8	1/8	20	6	31	13	10
3044 8 1/4	8	1/4	20	8	34.5	16	10
3044 8 3/8	8	3/8	20	9	35.5	19	10
3044 8 1/2	8	1/2	20	10	37.5	24	10
3044 9 1/8	9	1/8	20	6	31	13	10
3044 9 1/4	9	1/4	20	8	34.5	16	10
3044 9 3/8	9	3/8	20	9	35.5	19	10
3044 10 1/4	10	1/4	20	8	34.5	16	10
3044 10 3/8	10	3/8	24	9	39.5	19	10
3044 10 1/2	10	1/2	22	10	39.5	24	10
3044 12 1/4	12	1/4	20	8	34.5	16	10
3044 12 3/8	12	3/8	20	9	35.5	19	10
3044 12 1/2	12	1/2	22	10	39.5	24	10
3044 13 1/2	13	1/2	22	10	39.5	24	10
3044 14 1/4	14	1/4	24	8	38.5	16	10
3044 14 3/8	14	3/8	24	9	39.5	19	10
3044 14 1/2	14	1/2	24	10	41.5	24	10
3044 17 3/8	17	3/8	24	9	39.5	19	10
3044 17 1/2	17	1/2	24	10	41.5	24	10



Temperature Rating

min

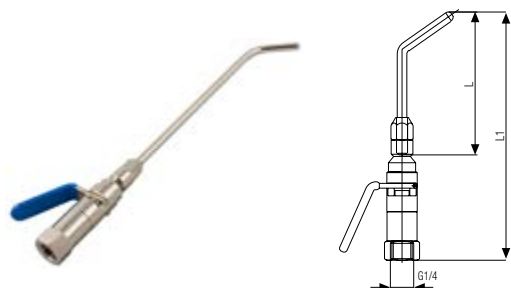
- 20 °C

max

+ 80 °C

00321

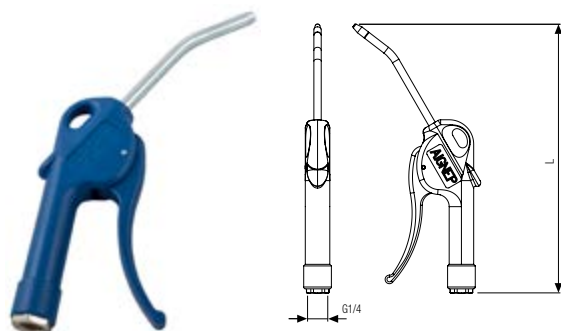
BLOW GUN FEMALE CONNECTION



Code	L	L1	Pack
00321 90	90	157	10
00321 200	200	267	1
00321 290	290	357	1

00341

BLOW GUN WITH Ø 6 mm ANGLED NOZZLE WITH METAL BUSHING

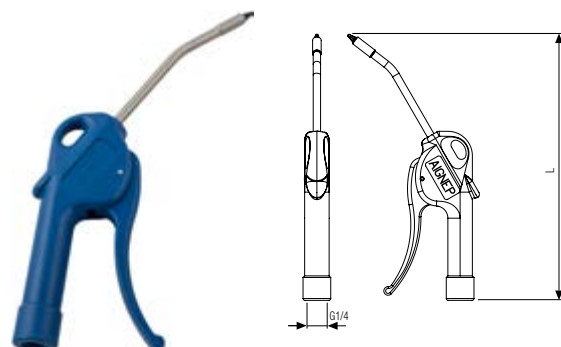


Code	L	Pack
00341 217	217	1

	min	max
Temperature Rating	- 10 °C	+ 80 °C
Pressure Rating		+ 16 bar (1.6 MPa)
380 NI/min - 85 dB - 8 bar		

00342

BLOW GUN WITH Ø 6 mm STAINLESS ANGLED NOZZLE SUPER SILENT

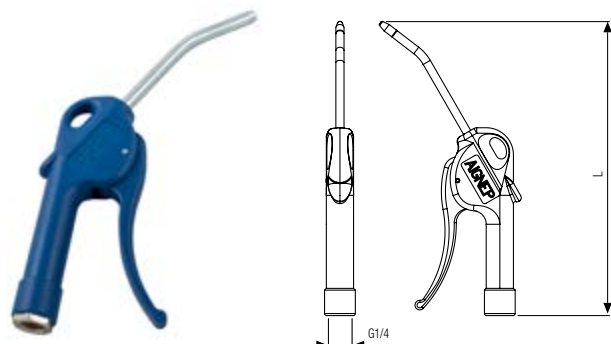


Code	L	Pack
00342 215	215	1

	min	max
Temperature Rating	- 10 °C	+ 60 °C
Pressure Rating		+ 12 bar (1.2 MPa)
380 NI/min - 85 dB - 8 bar		
SUVA approved		

343

BLOW GUN WITH Ø 8 mm ANGLED NOZZLE
- 3,5 BAR MAX OUTLET



Code	L	Pack
00343 217	217	1

	min	max
 Temperature Rating	- 10 °C	+ 80 °C
 Pressure Rating		+ 16 bar (1.6 MPa)
 380 NI/min - 85 dB - 8 bar		

T100 Mini



Code	Size	Thread	Filtration	Rating	Pack
T100002231100	FR+L 0	1/8	20µm	0 - 8 bar	1
T100003231100	FR+L 0	1/4	20µm	0 - 8 bar	1

T100



Code	Size	Thread	Filtration	Rating	Pack
T100103231100	FR+L1	1/4	20 µm	0 - 8 bar	1
T100104231100	FR+L1	3/8	20 µm	0 - 8 bar	1
T100205231100	FR+L2	1/2	20 µm	0 - 8 bar	1
T100309231100	FR+L3	1"	20 µm	0 - 8 bar	1

MAN01 / MAN02

GAUGE 1/8" BACK CONNECTION



Code	
MAN01 N2 020	0 ÷ 4
MAN01 N2 050	0 ÷ 6
MAN01 N2 060	0 ÷ 10
MAN01 N2 040	0 ÷ 12
MAN02 N2 050	0 ÷ 6
MAN02 N2 040	0 ÷ 12

3015

MALE PLUG (PARALLEL)
WITH HEXAGON



Code	
3015 M5	M5
3015 1/8	1/8
3015 1/4	1/4
3015 3/8	3/8
3015 1/2	1/2
3015 3/4	3/4
3015 1"	1"

2020

REDUCING NIPPLE (TAPER)



Code		
0202 1/8 1/4	1/8	1/4
0202 1/8 3/8	1/8	3/8
0202 1/8 1/2	1/8	1/2
0202 1/4 3/8	1/4	3/8
0202 1/4 1/2	1/4	1/2
0202 3/8 1/2	3/8	1/2
0202 1/2 3/4	1/2	3/4
0202 3/4 1	3/4	1"

6000

CENTRAL MALE Y 90°



Code	
6000 1/8	1/8
6000 1/4	1/4
6000 3/8	3/8
6000 1/2	1/2

2060

TAPER NIPPLE (3 PIECES)



Code	
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"

2080

REDUCER (TAPER)



Code		
2080 1/4	1/4	1/8
2080 1/8	3/8	1/8
2080 1/2	1/2	1/8
2080 3/8	3/8	1/4
2080 1/2	1/2	1/4
2080 1/2	1/2	3/8
2080 3/4	3/4	3/8
2080 3/4	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 3/4	1"1/4	3/4
2080 1 1/4 1	1"1/4	1"
2080 1 1/2	1"1/2	1"
2080 2	2"	1"

REFRIGERATION COMPRESSED AIR DRYERS



TECHNICAL DATA

Type	Air Flow (Nm ³ /h)	Power Supply	Controller	Dimensions			Air Connections	Condensate drain	Ts Terminal switch	Mass net-gross (kg)	Refrigerant
				W (mm)	L (mm)	H (mm)					
RD 50	52	1/230/50-60	RDC 1.1	370	515	475	G 1/2" BSP-F	EMD12	✓	26-28	R134a
RD 65	66	1/230/50-60		370	515	475	G 1/2" BSP-F		✓	28-30	R134a
RD 100	98	1/230/50-60		370	515	475	G 1/2" BSP-F		✓	32-34	R134a
RD 135	137	1/230/50-60		345	420	740	G 1" BSP-F		✓	34-38	R134a
RD 175	175	1/230/50		345	445	740	G11/4" BSP-F		✓	39-43	R134a
RD 235	235	1/230/50		345	445	740	G11/4" BSP-F		✓	40-44	R407C
RD 280	280	1/230/50		485	455	825	G11/4" BSP-F		✓	41-45	R407C

Correction factor for operating pressure changes

Op. Pressure (bar)	4	5	6	7	8	10	12	14
Correction factor	0,77	0,86	0,93	1,00	1,05	1,14	1,21	1,27

Correction factor for inlet air temperature changes

Temperature (°C)	≤30	35	40	45	50	55
Correction factor	1,11	1,00	0,81	0,67	0,55	0,45

Correction factor for ambient temperature changes

Temperature (°C)	≤25	30	35	40	45
Correction factor	1,00	0,95	0,88	0,79	0,68

Correction factor for ambient temperature changes

Temperature (°C)	3	5	7	10
Correction factor	1,00	1,099	1,209	1,385

FILTRATION



98300

BREATHING AIR FILTRATION

Code	98300 012	98300 034	98300001
BSP	1/2	3/4	1
CFM	46	71	116
Max Pressure	16bar	16bar	16bar
Dimensions	(A)187 (B)264 (C)20 (D)60	(A)257 (B)264 (C)20 (D)80	(A)263 (B)375 (C)32 (D)100
Elements	0,01u fine filter H ² catalyst A ² adsorption	0,01u fine filter H ² catalyst A ² adsorption	0,01u fine filter H ² catalyst A ² adsorption

REPLACEMENT FILTER ELEMENTS

Code	Description
98300 912	1/2 Element Kit
98300 934	3/4 Element Kit
98300 901	1 Element Kit

98100

FILTER



Code	AF0076- MDM60-MAOK16B	AF0106- MDM60-MAOK16B	AF0186- MDM60-MAOK16B	AF0306- MDM60-MAOK16B	AF0476- MDM60-MAOK16B
BSP	1/2"	3/4"	1"	1"	1"
MICRON	0.1MICRON	0.1 MICRON	0.1MICRON	0.1 MICRON	0.1 MICRON
CFM	46	71	116	197	300
Max Pressure	16bar	16bar	16bar	16bar	16bar
Dimensions	(A)187 (B)88 (C)20 (D)60	(A)257 (B)88 (C)20 (D)80	(A)263 (B)125 (C)32 (D)100	(A)363 (B)125 (C)32 (D)120	(A) 461 (B) 125 (C)32 (D)140
Code	AF0076- MDM60-RAOK16B	AF0106- MDM60-RAOK16B	AF0186- MDM60-RAOK16B	AF0306- MDM60-RAOK16B	AF0476- MDM60-RAOK16B
BSP	1/2"	3/4"	1"	1"	1"
MICRON	1 MICRON	1 MICRON	1 MICRON	1 MICRON	1 MICRON
CFM	46	71	116	197	300
Max Pressure	16bar	16bar	16bar	16bar	16bar
Dimensions	(A)187 (B)88 (C)20 (D)60	(A)257 (B)88 (C)20 (D)80	(A)263 (B)125 (C)32 (D)100	(A)363 (B)125 (C)32 (D)120	(A)461 (B)125 (C)32 (D)140

REPLACEMENT FILTER ELEMENTS

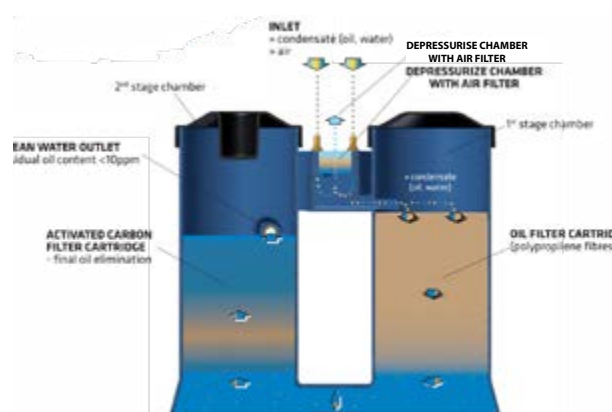
Code	Description
07050M	AF0076 FILTER ELEMENT - MICROFILTER 0,1U
07050R	AF0076 FILTER ELEMENT - PREFILTER 1U
12075M	AF0186 FILTER ELEMENT - MICROFILTER 0,1U
12075R	AF0186 FILTER ELEMENT - PREFILTER 1U
14050M	AF0106 FILTER ELEMENT - MICROFILTER 0,1U
14050R	AF0106 FILTER ELEMENT - PREFILTER 1U
22075M	AF0306 FILTER ELEMENT - MICROFILTER 0,1U
22075R	AF0306 FILTER ELEMENT - PREFILTER 1U
32075M	AF0476 FILTER ELEMENT - MICROFILTER 0,1U
32075R	AF0476 FILTER ELEMENT - MICROFILTER 1U

98200

OIL/WATER SEPARATOR

	98200192	98200296	98200723
CFM	142	296	723
Dimensions	(A)416	(A)730	(A)820
	(B)243	(B)343	(B)366
	(C)411	(C)680	(C)940
Elements	PP filter	PP filter	PP Filter
	AK filter	AK filter	AK Filter
Max Oil Adsorption	2.43g	5.04g	12.28g
Condensate Flow	3.4l/h	7.1l/h	13.1l/h

Code	Description
98200 142	WOS4 142 CFM
98200 296	WOS8 296 CFM
98200 723	WOS20 723 CFM
98200 001	WOS4 Filter Service Kit
98200 002	WOS8 Filter Service Kit
98200 003	WOS20 Filter Service Kit

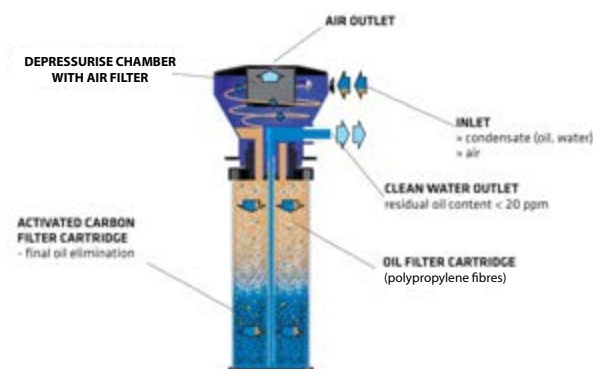
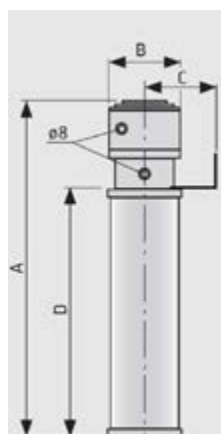


98210

POINT OF USE OIL/WATER SEPARATOR

	98210038	98210078
CFM	38	78
Dimensions	(A)483	(A)816
	(B)106	(B)106
	(C)80	(C)80
	(D)335	(D)670
Element	WOS-m1	WOS-m2
Oil Adsorption	650g	1340g
Condensate Flow	0.90l/h	1.87l/h

Code	Description
98210038	WOSm1 38 CFM
98210078	WOSm2 78 CFM
3400485	Service Kit WOSm1
3400486	Service Kit WOSm2



ELECTRONIC CONDENSATE DRAIN



IED & EMD Series electronic condensate drains are designed for fully automatic discharging of condensate or any other non-aggressive fluid from compressed air system



TECHNICAL DATA

IED 230V



Voltage	230 VAC, 50-60 Hz
Internal fuse	5 x 20 1A T
Power	10 VA
Operating Pressure Range	0-16 bar (0-232 psi)
Drain Capacity (at 7bar/101 psi)	8 l/h at 7 bar (0,005 cfm at 101 psi)
Operating Temperature Range	1,5-65°C (35-149°F)
Inlet Connection	G 1/2" Parallel thread
Protection Class	IP54
Mass (kg)	0,3

EMD12 230V



Voltage	230 VAC, 50-60 Hz	
Internal fuse	5 x 20 1A T	
Power	10 VA	
Operating Pressure Range	0-16 bar (0-232 psi)	
Drain Capacity (at 7bar/101 psi)	12 l/h (0,007cfm)	
Operating Temperature Range	1,5-65°C (35-149°F)	
Inlet Connection	G 1/2"	
Outlet Connection	Push connection for tube ø8	
Protection Class	IP54	
Mass (kg)	0,55	
Dimensions A x B x C (mm)	133 x 75 x 147	
Peak Compressor Capacity (m³/min)	a	8,8
	b	7,4
	c	4,6
Peak Dryer Capacity (m³/min)	a	18,56
	b	14,9
	c	9,28
Peak Filter Capacity (m³/min)	a	92,8
	b	74,4
	c	46,4

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

Contact us to discuss your project and interest in our product and service support solutions:

- Tel. +44 (0)1404 548 008
- E-mail. sales@infinitypipework.co.uk
- Web. www.infinitypipework.co.uk



ISTITUTO GIORDANO s.p.a.

SPECIALISTI IN RICERCA E CERTIFICAZIONE DAL 1959

Via Rossini, 2
47814 BELLARIA (RN) Italy
Tel. ++39 0541 343030 (10 linee)
Telefax ++39 0541 345540

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

Cod. Fisc./Part. IVA: 00 549 540 409
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 1987/1 del D.M. 27/11/82 n. 22913 "Prova sui materiali da costruzione".
- MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO: D.M. 05/11/85 "Certificazione CEE per la serie dei dipinti".
- MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO: D.M. 31/04/81 "Certificazione CEE delle emissioni sonore di macchine da cantiere".
- MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO: D.L. 27/01/81 n. 136 "Certificazione CEE delle emissioni sonore di macchine di movimento terra".
- MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO: D.M. 06/07/89 "Certificazione CEE concernente la sicurezza dei prodotti".
- MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO: D.M. 30/07/87 "Certificazione ex officio di conformità CEE per il trattamento delle acque ad acqua calda alimentare con centrali locali a gas".
- MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO: Nota n. 75786 del 15/12/88 "Certificazione CEE per gli apparecchi a gas".
- MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO e MINISTERO LAVORO e PREVIDENZA SOCIALE: D.M. 06/07/86 "Certificazione CEE in materia di recipienti semplici a pressione".
- MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO e MINISTERO LAVORO e PREVIDENZA SOCIALE: D.M. 04/06/84 "Certificazione CEE sulle macchine".
- MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO: "Sostegno di verifica della sicurezza e conformità dei prodotti nell'ambito della sorveglianza del mercato e tutela dei consumatori".
- MINISTERO INDUSTRIA COMMERCIO ARTIGIANATO: D.M. 02/04/88 "Rilascio di attestazioni di conformità delle caratteristiche e prestazioni energetiche dei componenti degli edifici a doppiopassivo".
- MINISTERO INTERNO: Legge 81/84 e D.M. 26/03/85 con autorizzazione del 21/03/86 "Prove di reazione al fuoco secondo D.M. 26/03/84".
- MINISTERO INTERNO: Legge 81/84 e D.M. 26/03/85 con autorizzazione del 10/07/86 "Prove di resistenza al fuoco secondo Decreto n. 57 del 14/08/84".
- MINISTERO INTERNO: Legge 81/84 e D.M. 26/03/85 con autorizzazione del 02/04/86 "Prove di resistenza al fuoco secondo Decreto n. 7 del 02/04/86 e norme UNI/CEI 104 87/82".
- MINISTERO INTERNO: Legge 81/84 e D.M. 26/03/85 con autorizzazione del 12/04/86 "Prove su valdotti d'incendio portatili secondo D.M. 20/12/82".
- MURST (MINISTERO UNIVERSITA' E RICERCA SCIENTIFICA E TECNOLOGICA): Legge 48/82, art. 28, D.M. 09/10/85 "Inmissione nell'elenco dei laboratori autorizzati a eseguire ricerche di carattere applicativo a favore delle piccole e medie industrie".
- MINISTERO PUBBLICA ISTRUZIONE: Protocollo n. 116 del 27/03/87 "Sostegno alle Schede Anagrafe Nazionale delle iscrizioni con codice N. 00407/97".
- SINCEPT (Accreditamento Organismi Certificazioni): Accreditamento n. 001/87 del 15/12/89 "Organismi di certificazione di sistemi qualità".
- ISIRI (Sistema Nazionale per l'Accreditamento di Laboratori): Accreditamento n. 001 del 14/11/89.
- SIT (Servizio di Tecnica in Italia): Accreditamento n. 20 "Centro SIT di Tecnica per grandezze termomeccaniche ed elettriche".
- ICM (Istituto di Certificazione Industriale per la Meccanica): "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto".
- ISO (Istituto per il Metodo Qualità): "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto per norme tecniche".
- UNISAL (Unione Nazionale Consulenti Tecnici in Alluminio): "Aspetti Leghe, Riconoscimento dei prodotti, Laboratorio per le prove di certificazione UNISAL, su materiali e tecniche originali".
- UNI (Comitato Nazionale Italiano di Unificazione): "Settore Certificazione, Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto per termomeccaniche e segni con fondo a corrosione forata e serbatoi esterni".

PARTECIPAZIONI ASSOCIATIVE:

- IAA: Associazione Italiana di Acustica.
- ACARR: Associazione Italiana Condizionamento dell'Aria Riscaldamento Refrigerazione.
- AOD: Associazione Italiana per la Qualità.
- ALP: Associazione Laboratori di Prove non Distruttive.
- ALP: Associazione Laboratori di Prove non Distruttive.
- ASPAE: American Society of Heating, Refrigerating and Air-Conditioning Engineers Inc.
- ASSINGESTRA: Associazione degli Industriali di Rimini.
- ASTM: American Society for Testing and Materials.
- ATC: Associazione Tecnica Italiana dei Gas.
- CTI: Collegio dei Tecnici della Industrializzazione Edilizia.
- CTI: Collegio Tecnico Italiano.
- EFMA: European Association of Research Managers and Administrators.
- ESART: European Association of Research and Technology Organization.
- EGOLF: European Group of Official Laboratories for Free Testing.
- UNI: Ente Nazionale Italiano di Unificazione.

CLAUSOLE

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

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 Dott. Ing. Vincenzo Iommi
Chairman or Managing Director Dott. Ing. Vincenzo Iommi

Comp. AV
Revis. *[Signature]*

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

Sheet
1 of 1



Istituto Giordano 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: ist-giordano@legalmail.it
Cod. Fisc./Part. IVA: 00 549 540 409 - Cap. Soc. € 1.500.000 i.v.
R.E.A. d/o C.C.I.A.A. (RN) 156766
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
-----------------------	---	-----------------

CLAUSES: This document relates only to the sample or material tested and shall not be reproduced except in full without Istituto Giordano's written approval.



ISTITUTO
GIORDANO



Istituto Giordano S.p.A.
Via Rossini, 2 - 47814 Bellaria (RN) Italy
Tel. +39 0541 343030 - Fax +39 0541 345540
istitutogiordano@giordano.it - www.giordano.it
Cod. Fisc./P.Iva 00 549 540 409 - Cap. Soc. € 880.000 i.v.
R.E.A. c/o C.C.I.A.A. (RN) 156766
Registro Imprese di Rimini n. 00 549 540 409
Organismo Europeo notificato n. 0407
Accreditamento: SINCERT (057A e 082B) - SIT (20)

RICONOSCIMENTI UFFICIALI MINISTERI ITALIANI:

- Legge 1086/71 con D.M. 27/1/82 n. 22913 "Prova sui materiali da costruzione".
- D.M. 08/1/99 "Certificazione CE per le unità da diporto".
- D.M. 04/06/94 "Certificazione CEE sulle macchine".
- Notifica n. 757890 del 15/12/98 "Certificazione CEE per gli apparecchi a gas".
- D.M. 05/07/93 "Certificazione CEE in materia di recipienti semplici a pressione".
- D.M. 08/07/93 "Certificazione CEE concernente la sicurezza dei giocattoli".
- Incarichi di verifica della sicurezza e conformità dei prodotti nell'ambito della sorveglianza sul mercato e tutela del consumatore.
- D.M. 02/04/98 "Rilascio di attestazioni di conformità delle caratteristiche e prestazioni energetiche dei componenti degli edifici e degli impianti".
- Legge 81/84 e D.M. 26/03/85 con autorizzazione del 21/03/86 "Prove di resistenza al fuoco secondo D.M. 26/06/84".
- Legge 81/84 e D.M. 26/03/85 con autorizzazione del 10/07/86 "Prove di resistenza al fuoco secondo Circolare n. 91 del 14/09/81".
- Legge 81/84 e D.M. 26/03/85 con autorizzazione del 03/07/92 "Prove di resistenza al fuoco secondo Circolare n. 7 del 02/04/91 norma CNVVF/CCI UNI 9723".
- Legge 81/84 e D.M. 26/03/85 con autorizzazione del 12/04/88 "Prove sui estintori d'incendio portatili secondo D.M. 20/12/82".
- Legge 46/82 con D.M. 09/10/85 "Immissione nell'albo dei laboratori autorizzati a svolgere ricerche di carattere applicativo a favore delle piccole e medie industrie".
- Protocollo n. 116 del 27/05/87 "Iscrizione allo Schedario Anagrafe Nazionale delle ricerche con codice N. 00400999".
- Decreto 24/05/82 "Certificazione CE di rispondenza della conformità della struttura a pressione".
- Decreto 14/02/82 "Certificazione CE di conformità in materia di emissione acustica ambientale per macchine e attrezzature".
- Decreto 05/02/83 "Esecuzione delle procedure di valutazione della conformità dell'equipaggiamento marittimo".
- G.U.R.L. n. 236 del 07/10/84 "Certificazione CE sugli ascensori".
- Notifica per le attività di attestazione della conformità alle norme armonizzate della Direttiva 89/106 sui prodotti da costruzione.

ENTI TERZI:

- SINCERT: Accreditation n. 357A del 19/12/00 "Organismo di certificazione di sistemi di gestione per la qualità" e n. 0823 del 12/04/06 "Organismo di certificazione di prodotti".
- SIT: Centro multisito n. 20 (Bellaria - Ponsacco) per grandezze termometriche ed elettriche.
- ICM: "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto".
- IMQ: "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto per cante fumarie".
- UNCSAAL: Riconoscimento del 26/03/85 "Laboratorio per le prove di certificazione UNCSAAL su sementi e facciate continue".
- IMQ-UNI: "Prove di laboratorio nell'ambito degli schemi di Certificazione di Prodotto per termocammetti a legna con fluido a circolazione forzata".
- CSI-UNI: "Prove di laboratorio in ambito degli schemi di Certificazione di Prodotto per sementi esterni".
- KEYMARK per ispezioni termiche: "Misure di conduttività termica per materiali isolanti".
- IPT: "Prove di laboratorio e sorveglianza in azienda nell'ambito degli schemi di Certificazione di Prodotto per porte, finestre, chiusure occupanti (antifurto) e serramenti".
- EPTG: "Prove di laboratorio su cassaforti e altri mezzi di custodia".
- AENOR: "Valutazione della conformità ai fini della marcatura CE per alcuni prodotti inerti la direttiva prodotti da costruzione".
- VTF-Frasdella: "Valutazione della conformità ai fini della marcatura CE per alcuni prodotti inerti la direttiva prodotti da costruzione".
- C.C.I.A.A. Rimini: 26/01/04 "Verifica periodica dell'affidabilità metrologica di strumenti metrici in materia di commercio".

PARTECIPAZIONI ASSOCIATIVE:

- AIA: Associazione Italiana di Acustica.
- AICARR: Associazione Italiana Condizionamento dell'Aria Riscaldamento Refrigerazione.
- AIQD: Associazione Italiana per la Qualità.
- AIPRO: Associazione Italiana Prove non Distruttive.
- ALPI: Associazione Laboratori Italiani Fuoco.
- ALPI: Associazione Laboratori di Prova Indipendenti.
- ASHRAE: American Society of Heating, Refrigerating and AirConditioning Engineers Inc.
- ASTM: American Society for Testing and Materials.
- ATIG: Associazione Tecnica Italiana del Gas.
- CTE: Collegio dei Tecnici della Industrializzazione Edilizia.
- CTT: Comitato Termotecnico Italiano.
- EARMMA: European Association of Research Managers and Administrators.
- EARTO: European Association of Research and Technology Organisation.
- EGOLF: European Group of Official Laboratories for Fire Testing.
- UNI: Ente Nazionale Italiano di Unificazione.

CLAUSOLE:

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

ABRIDGED TEST REPORT No. 238763

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

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

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

Date test requested: 09/11/2007

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

Date specimen received: 20/11/2007

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

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

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

Specimen origin: sampled and supplied by Customer

Identification of specimen received: No. 2007/2505

Description of specimen

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

Result of test

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

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

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

Test Technician
(Per. Ind. Walter Fratti)

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

Chairman or
Managing Director

Dott. Ing. Vincenzo Iommi

Comp. AV
Revis

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

Sheet
1 of 1

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

Test

Test of pressure 1.5 time higher of the max declared.

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

Test

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

DN	Power of stress (N)	Unthreading of tubes (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	

Test:

Pressure of explosion.

Diameter	Hydraulic Pressure Breaking Point
DN20	Pressure 115 bar
DN25	Pressure 75 bar
DN32	Pressure 78 bar
DN40	Pressure 75 bar
DN50	Pressure 58 bar
DN63	Pressure 58 bar
DN80	Pressure 36 bar
DN100	Pressure 36 bar

Test

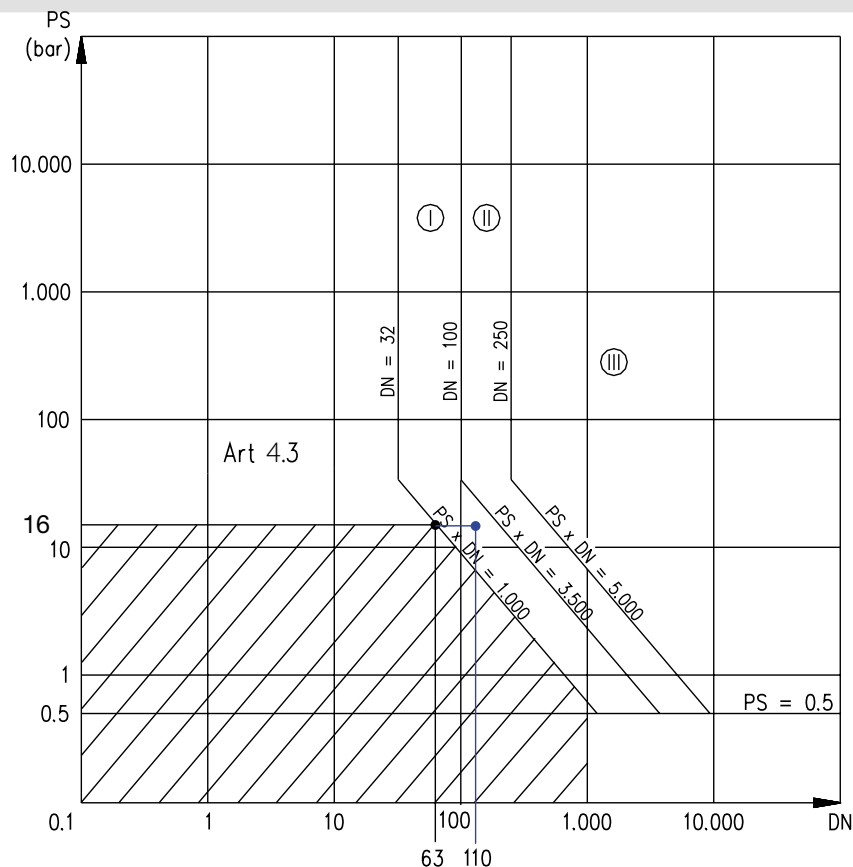
Resistance under pneumatic internal pressure and bending stress at the same time according to Norma UNI-EN 1254-2:2000 point 5.6.

DN	Distance between bearing points (mm)	Pneumatic pressure (bar)	Resistance and pneumatic stamina
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	

The certificate is available upon request.

CONFORMITY DECLARATION FOR THE DISTRIBUTION OF COMPRESSED-AIR

We declare that the system used with pressure $0.99 \div 16$ bar and temperature $-20^{\circ}\text{C} \div 80^{\circ}\text{C}$ with directive 2014/68/UE (PED: Pressure Equipment Directive).



Considering the internal diameter for DN63 and max pressure 16 bar, one can see on the graphic that the intersection point $PS \times DN = 16 \times 59 = 944$ is on the left side of zone $PS \times DN = 1.000$: means it is exempt from CEE marking according to the above mentioned directive (Art.4.3). Therefore all tubes and fittings ($\varnothing 20$ - $\varnothing 25$ - $\varnothing 32$ - $\varnothing 40$ - $\varnothing 50$ - $\varnothing 63$) do not require any CEE marking.

Considering the internal diameter for DN80, DN110 and maximum pressure of 16 bar, the intersection point ($PS \times DN = 16 \times 76 = 1216$ for DN80) and ($PS \times DN = 16 \times 105 = 1680$ for DN 110) in the chart above, is in the area called "CATEGORIA I".

According to Directive 2014/68/UE this area has a conformity evaluation made at factory.

CONFORMITY OF POLYESTER POWDER PAINTING ON ALUMINIUM TUBES OF INFINITY SERIES

Pre-Treatment

It guarantees the adhesion of the paint to the tube and prevents corrosion and oxydation of non-painted parts according to:

UNI 9921 - DIN 50939 - ASTM D 1730 - MIL C 5541

Painting

Made using powder coated paint non-toxic certified QUALICOAT and GSB according to:

UNI 9983 - BS 6496 - AAMA 603-605

*The above mentioned treatments prevent corrosion to external part.
Inside is treated with chrome.*

RESISTANCE TO FIRE



Subject

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

Description of the product

Painted aluminium pipe 90000 SERIES.

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

Test Result

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



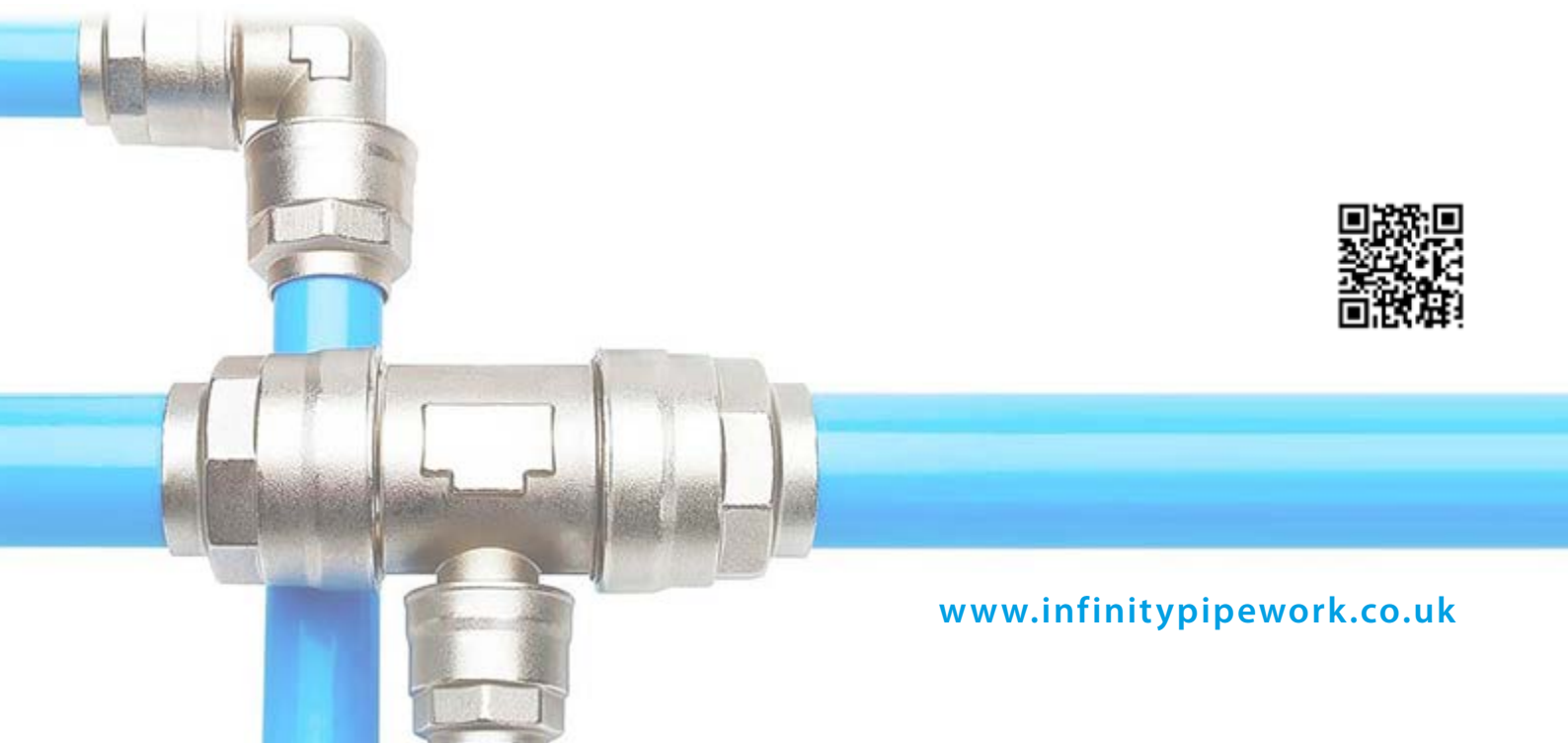
infinity
aluminium pipework systems

Infinity Pipework

Devonshire Road, Heathpark Industrial Estate, Honiton, Devon, EX14 1SG

Tel. +44 (0)1404 548 008

E-mail. sales@infinitypipework.co.uk



www.infinitypipework.co.uk