



Catalogue & Installation Guide



Full Performance Compressed Air Pipe System



AIRpipe founded in 1997, operates within the air compressor and air transmission industry. AIRpipe design, manufacture and sell quick connect air piping solutions for compressed air, vacuum and inert gas, whilst specialising in air pipe work systems for new projects, renovation, extension or modification of existing systems.

Features & Benefits

Adaptable

- AIRpipe's extensive range of pipe and fittings enables a bespoke compressed air system to be built which can meet specific production needs

Corrosion Resistant: Low Pressure Drop

- High quality, smooth inner surface will never rust. It ensures a constant flow of clean compressed air and guarantees safety at the point of use
- The high performance 'O' ring system ensures a leak free seal
- Low friction inner surface eliminates airflow restriction, reducing pressure drop and saving energy

Highly Flexible

- AIRpipe fittings can be disconnected and reused
- Quick drops can be added at any time, adapting to changes in the production line
- As the connections are made from the side, the risk of condensate waste is eradicated

Quick & Easy Install

- Quick assembly, no welding, gluing or crimping needed
- No detailed technical training required
- Lightweight, easy to cut pipes: easy to handle on site

Durable & Resistant

- AIRpipe is corrosion, vibration and heat resistant; the air quality is preserved throughout the whole system up to the point of use, protecting the downstream equipment and the manufacturing process

Seamless Compatibility

- AIRpipe can connect seamlessly to the female thread, male thread and flange joints



10 year quality guarantee for any material defect relating to AIRpipe aluminium pipes and fittings



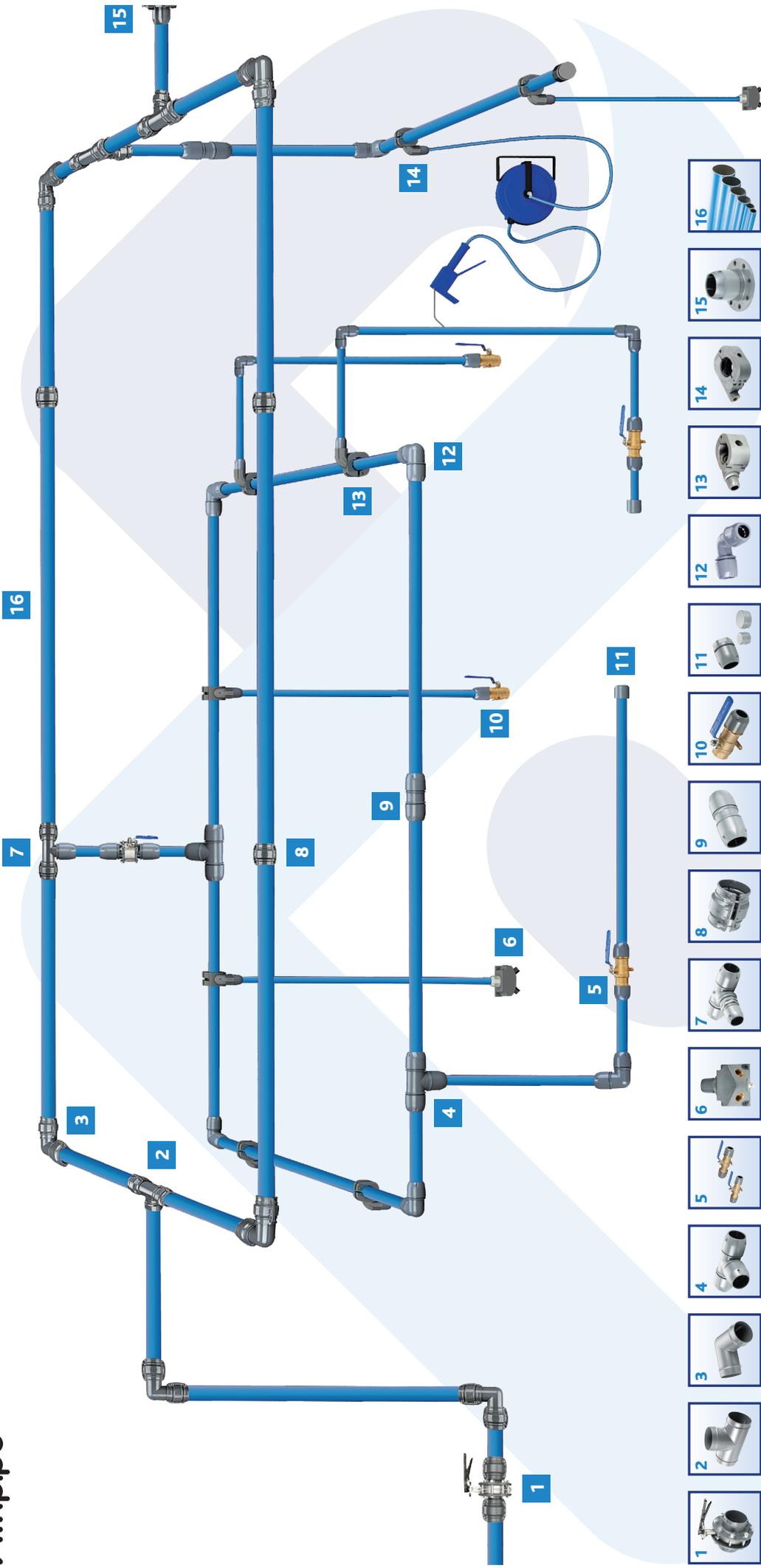
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Terms of Guarantee:

- Only applicable for original AIRpipe pipes and AIRpipe fittings with a material defect
- Any installation should follow the installation guide
- All AIRpipe products should be used according to the AIRpipe instructions
- Piping should be located in an area which avoids striking and vibration
- Any damaged parts and the working site situation will need to be verified

AIRpipe offer a professional Air System Design Provider



AIRpipe System Guide

Above is an example of a typical AIRpipe configuration including pipe and fittings. AIRpipe's professional air system design provider can create air pipe installation designs, provide detailed pipe structures and calculate the pressure drop in the system based on the actual production environment. In this way, the design proposal can be adjusted, modified and tested. A detailed material list of pipes and fittings can be created and a full quote provided. While all reasonable care will be taken when producing the material list, no warranty can be given as to the accuracy of the information.

- 1 Quick Connect Tee
- 2 Aluminium Equal Tee
- 3 Aluminium 90° Equal Elbow
- 4 Aluminium Equal Tee
- 5 Quick Connect Ball Valve
- 6 Wall Bracket
- 7 Reducing Tee
- 8 Straight Connector
- 9 Straight Connector
- 10 Threaded Quick Connect Ball Valve
- 11 Aluminium End Cap
- 12 Aluminium Equal Elbow
- 13 Reducing Tee
- 14 Straight Connector
- 15 Straight Connector
- 16 Aluminium Quick Drop



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Technical Specification



AIRpipe Pipe	φ 20mm ¾"	φ 25mm 1"	φ 40mm 1½"	φ 50mm 2"	φ 63mm 2½"	φ 80mm 3"	φ 100mm 4"	φ 150mm 6"	φ 200mm 8"
Aluminium Pipe (3m/6m)	•	•	•	•	•	•	•	•	•
S Bend	•	•							
Tube Clip and Gasket	•	•	•	•	•	•	•	•	•



AIRpipe Threaded Joint	φ 20mm ¾"	φ 25mm 1"	φ 40mm 1½"	φ 50mm 2"	φ 63mm 2½"	φ 80mm 3"	φ 100mm 4"	φ 150mm 6"	φ 200mm 8"
Equal aluminium socket (male thread)	•	•	•	•	•	•			
Reducing aluminium socket (male thread)	•	•	•	•	•	•			
Equal aluminium socket (female thread)	•	•	•	•	•	•			
Equal aluminium socket with flange					•	•	•	•	•
Reducing aluminium socket with flange					•	•	•	•	•



AIRpipe Threaded Joint	φ 20mm ¾"	φ 25mm 1"	φ 40mm 1½"	φ 50mm 2"	φ 63mm 2½"	φ 80mm 3"	φ 100mm 4"	φ 150mm 6"	φ 200mm 8"
Equal socket	•	•	•	•	•	•	•	•	•
Reducing socket		•	•	•	•	•	•	•	•
90° Elbow	•	•	•	•	•	•	•	•	•
Equal Tee	•	•	•	•	•	•	•	•	•
Reducing Tee		•	•	•	•	•	•	•	•
Quick drop		•	•	•	•	•	•	•	•
Threaded quick drop		•	•	•	•	•			
Valve	•	•	•	•	•	•	•	•	•

- The following table is used for closed piping system. Working pressure is 8 bar while the pressure drop is 0.4 bar
- The flow speed is not taken into account in this table

Flow m ³ /hour	length									
	50M	100M	150M	300M	500M	750M	1000M	1300M	1600M	2000M
10	20	20	20	20	20	20	20	25	25	25
30	20	20	20	25	25	25	25	25	25	40
50	20	25	25	25	25	25	40	40	40	40
70	25	25	25	25	40	40	40	40	40	40
100	25	25	25	40	40	40	40	40	40	50
150	25	40	40	40	40	40	40	50	50	50
250	40	40	40	40	50	50	50	50	50	50
350	40	40	40	50	50	50	63	63	63	63
500	40	40	50	50	63	63	63	63	63	63
750	40	50	50	50	63	63	63	80	80	80
1000	50	50	63	63	63	80	80	100	100	100
1250	50	50	63	63	63	100	100	100	100	100
1500	50	63	63	80	80	100	100	100	100	100
1750	63	63	80	80	80	100	100	100	100	150
2000	63	80	80	80	100	100	100	100	150	150
2500	63	80	80	80	100	100	100	150	150	150
3000	80	80	80	100	100	150	150	150	150	150
3500	80	80	100	100	150	150	150	150	150	150
4000	80	100	100	100	150	150	150	150	150	150
4500	80	100	100	150	150	150	150	150	150	150
5000	80	100	100	150	150	150	150	150	150	150
5500	100	100	100	150	150	150	150	150	150	150
6000	100	100	150	150	150	150	150	150	150	150
6500	150	150	150	150	150	150	150	150	150	200
7200	150	150	150	150	150	150	150	200	200	200
8000	200	200	200	200	200	200	200	200	200	200
8500	200	200	200	200	200	200	200	200	200	200
10000	200	200	200	200	200	200	200	200	200	200
12000	200	200	200	200	200	200	200	200*	200*	200*

Part Numbering System

Example:

2009 5417 00

■ The 1st number to the 4th number is set to differentiate the future series products.

■ The 9th to the 10th number is set to differentiate the future logistics packaging.

The 5th number is the inlet size:

0 for <DN20	4 for DN40	7 for DN80
1 for DN20	5 for DN50	8 for DN100
2 for DN25	6 for DN63	9 for DN150
A for DN200		

The 6th number is the outlet size:

0 for <DN20	2 for DN25	5 for DN50	8 for DN100
1 for DN20	3 for 1.1/4"	6 for DN63	9 for DN150
A for DN200	4 for DN40	7 for DN80	

In the above example 2009 5417 00, the 5th number is 5, which means the inlet size is DN50.

In the above example 2009 5417 00, the 6th number is 4, which means the outlet size is DN40.

The 7th and 8th number is the AIRpipe series:

00 6m Aluminium Pipe	04 45° Elbow	05 Equal Tee	06 End Cap
03 90° Elbow	08 Threaded Tee	10 Quick Drop	11 Threaded Quick Drop
07 Reducing Tee	17 Male Threaded Nipple Socket	19 Female Threaded Nipple Socket	21 Reducing Pipe to Pipe Joint
22 / 27 Tube Clip / Gasket	23 Wall Mounted Joint	25 Wall Mounted Joint (Female Thread)	52 Threaded Valve
51 Quick Valve	30-39 / 50 Installation Accessories	28 / 29 / 40 / 45 Tools	60 Spare Parts for the Connector
55 High Pressure Hose	71 Adaptor Union	73 Copper Valve	78 Butterfly Valve
70 Flange	01 S Bend	02 Pipe to Pipe Joint	
63 3m Aluminium Pipe			

In the above example 2009 5417 00, the 7th and the 8th number is 17, which means the product is a male threaded aluminium joint.

AIRpipe Technical Specifications Summary

- Large range of diameters available, designed to perfectly fit your system so that the piping system can keep at the lowest pressure drop.

■ Pipe



AIRpipe	φ 20mm 3/4"	φ 25mm 1"	φ 40mm 1 1/2"	φ 50mm 2"	φ 63mm 2 1/2"	φ 80mm 3"	φ 100mm 4"	φ 150mm 6"	φ 200mm 8"
Blue Aluminium Pipe (3m/6m)	•	•	•	•	•	•	•	•	•
S Bend	•	•							
Tube Clip and Gasket	•	•	•	•	•	•	•	•	•

■ Male Sockets & Flanges



AIRpipe	φ 20mm 3/4"	φ 25mm 1"	φ 40mm 1 1/2"	φ 50mm 2"	φ 63mm 2 1/2"	φ 80mm 3"	φ 100mm 4"	φ 150mm 6"	φ 200mm 8"
Equal Aluminium Socket (Male Thread)	•	•	•	•	•	•			
Reducing Aluminium Socket (Male Thread)	•	•	•	•	•	•			
Equal Aluminium Socket (Female Thread)	•	•	•	•	•				
Equal Aluminium Socket With Flange				•	•	•	•	•	•
Reducing Aluminium Socket With Flange					•	•	•	•	•

■ Female Sockets, Tees, Quick Drops & Valves



AIRpipe	φ 20mm 3/4"	φ 25mm 1"	φ 40mm 1 1/2"	φ 50mm 2"	φ 63mm 2 1/2"	φ 80mm 3"	φ 100mm 4"	φ 150mm 6"	φ 200mm 8"
Equal Socket	•	•	•	•	•	•	•	•	•
Reducing Socket	•	•	•	•	•	•	•	•	•
90° Elbow	•	•	•	•	•	•	•	•	•
Equal Tee	•	•	•	•	•	•	•	•	•
Reducing Tee		•	•	•	•	•	•	•	•
Quick Drop		•	•	•	•	•	•	•	•
Threaded Quick Drop Valve	•	•	•	•	•	•	•	•	•

AIRpipe Technical Data

- Working Temperature: -20°C to +70°C
- Maximum Working Pressure: 13bar
- Vacuum: 0.13bar (ab)
- Compatible with any compressor oil
- Fireproof
- Suitable for open-air installation

Standards Compliance

- Seamless Aluminium Alloy Pipe
- All with BSP thread



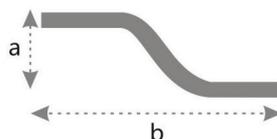
AIRpipe Rigid Aluminium Pipe

■ The full performance compressed air pipe system has been tested and verified to ensure maximum safety and a leak free seal after installation, when using AIRpipe fittings.

- Clean air and optimum flow rate performance as a result of the smooth inner surface of the pipes
- Lightweight – easy to cut and handle on site
- High quality coating on the outside surface
- Suitable for: compressed air and vacuum
- Max. working pressure: 13 bar. Temperature range: -20°C to +70°C
- Vacuum: 0.13 bar absolute pressure
- Extruded aluminium pipe (confirms to GB/T4437.1-2000 standards)



■ S Bend



AIRpipe	D	a	b
2009 1001 00	20	170	500
2009 2001 00	25	120	500

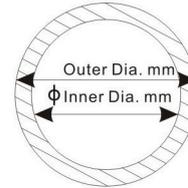
*S bend is often used to fix drop legs closer to the wall when the ring main is installed further away from the wall.

Blue Anodised Aluminium Pipe



O-Ring & Seal Information

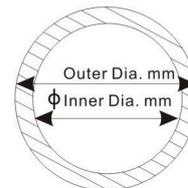
Diameter	O-Ring Qty.	Seal Liner Qty.
20mm	2	1
25mm	2	1
40mm	2	2
50mm	2	2
63mm	1	1
80mm	1	1



AIRpipe	Outer Diameter mm	Inner Diameter mm	Pipe Length m
2009 1000 00	20.1	17.5	5.8
2009 1063 00	20.1	17.5	2.9
2009 2000 00	25.1	22.5	5.8
2009 2063 00	25.1	22.5	2.9
2009 4000 00	40.1	36.5	5.8
2009 4063 00	40.1	36.5	2.9
2009 5000 00	50.1	45.7	5.8
2009 5063 00	50.1	45.7	2.9

AIRpipe	Outer Diameter mm	Inner Diameter mm	Pipe Length m
2009 6000 00	63.3	58.6	5.8
2009 6063 00	63.3	58.6	2.9
2009 7000 00	80.2	75.0	5.8
2009 7063 00	80.2	75.0	2.9
2009 8000 00	101.8	96.8	5.8
2009 8063 00	101.8	96.8	2.9
2009 9000 00	153.0	147.5	5.8
2009 9063 00	153.0	147.5	2.9
2009 A000 00	205.0	198.6	5.8
2009 A063 00	205.0	198.6	2.9

Grey Anodised Aluminium Pipe



AIRpipe	Outer Diameter mm	Inner Diameter mm	Pipe Length m
2009 1062 00	20.1	17.5	5.8
2009 1064 00	20.1	17.5	2.9
2009 2062 00	25.1	22.5	5.8
2009 2064 00	25.1	22.5	2.9
2009 4062 00	40.1	36.5	5.8
2009 4064 00	40.1	36.5	2.9
2009 5062 00	50.1	45.7	5.8
2009 5064 00	50.1	45.7	2.9

AIRpipe	Outer Diameter mm	Inner Diameter mm	Pipe Length m
2009 6062 00	63.3	58.6	5.8
2009 6064 00	63.3	58.6	2.9
2009 7062 00	80.2	75.0	5.8
2009 7064 00	80.2	75.0	2.9
2009 8062 00	101.8	96.8	5.8
2009 8064 00	101.8	96.8	2.9
2009 9062 00	153.0	147.5	5.8
2009 9064 00	153.0	147.5	2.9
2009 A062 00	205.0	198.6	5.8
2009 A064 00	205.0	198.6	2.9

*Please confirm with us before you place order for this grey pipe.

AIRpipe Flexible Hose

- AIRpipe flexible hose allows the expansion and contraction of the aluminium pipe, and the bypassing of obstacles to join different levels
- Compressor outlets (absorption of vibration)
- Max. working pressure for the flexible hose used for compressed air: 13bar from -20°C to +70°C
- Vacuum: 98.7% (13mbar absolute pressure)
- Working temperature: -20°C to +70°C
- Resistant to mineral and synthetic compressor oils

■ High Pressure Hose

■ DN100-DN200



■ DN40-DN80



■ DN25-DN80



AIRpipe	Pipe Length mm	Diameter	Connection
2009 2055 00	700	DN25	AIRpipe quick push-in
2009 4055 00	500	DN40	AIRpipe quick push-in
2009 4155 00	1200	DN40	AIRpipe quick push-in(with 30°)
2009 5055 00	500	DN50	AIRpipe quick push-in
2009 5155 00	1200	DN50	AIRpipe quick push-in(with 30°)
2009 6055 00	500	DN63	AIRpipe quick push-in

AIRpipe	Pipe Length mm	Diameter	Connection
2009 6155 00	1200	DN63	AIRpipe quick push-in(with 30°)
2009 7055 00	500	DN80	AIRpipe quick push-in
2009 7155 00	1700	DN80	AIRpipe quick push-in(with 30°)
2009 8055 00	500	DN100	AIRpipe quick push-in
2009 9055 00	800	DN150	AIRpipe quick push-in
2009 A055 00	1200	DN200	AIRpipe quick push-in

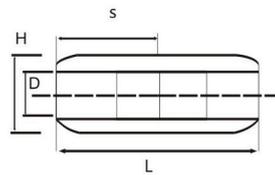
*Two 20098 8002/9002/A002 00 pipe to pipe joints are needed for the DN100/DN200 hoses.



AIRpipe Pipe Connectors

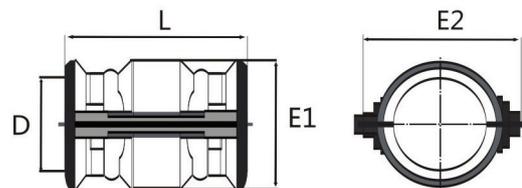
- AIRpipe provides various connectors to overcome the limitations of conventional pipe and fittings in the construction process
 - Quick connections
 - Full volume flow design
 - Can disconnect and re-use
 - Non-flammable material
 - Piping can keep the same flow diameter

■ Aluminium Pipe Connector



AIRpipe	D	L	H	S
2009 1002 00	20	102	36	49
2009 2002 00	25	125	45	62
2009 4002 00	40	199	72	98
2009 5002 00	50	227	89	111
2009 6002 00	63	196	90	95
2009 7002 00	80	245	115	118

■ Aluminium Pipe Connector



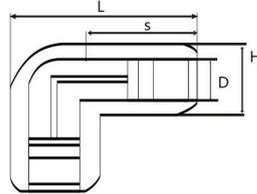
AIRpipe	D	L	E1	E2
2009 8002 00	100	146	128	157
2009 9002 00	150	198	180	210
2009 A002 00	200	198	240	250

Please note that all AIRpipe aluminium fittings have a grey protective coating on the outside

■ Aluminium 90° Elbow

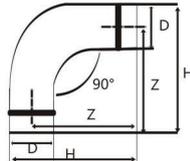


AIRpipe	D	L	H	S
2009 1003 00	20	82	36	49
2009 2003 00	25	100	45	62



AIRpipe	D	L	H	S
2009 4003 00	40	160	72	98
2009 5003 00	50	188	89	111
2009 6003 00	63	165	90	95
2009 7003 00	80	215	115	118

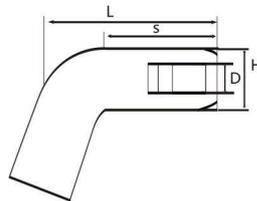
■ Aluminium 90° Elbow



*Normally two 2009 8002/9002/A002 00 pipe to pipe joints are needed to connect the DN100/DN200 90° elbows to the pipes.

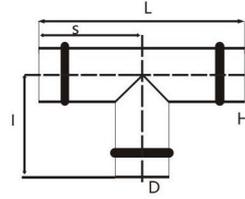
AIRpipe	D	H	Z
2009 8003 00	100	278	221
2009 9003 00	150	405	315
2009 A003 00	200	455	405

■ Polymer 45° Elbow



AIRpipe	D	L	H	S
2009 1004 00	20	160	36	49
2009 2004 00	25	128	45	62
2009 4004 00	40	205	72	98
2009 5004 00	50	238	89	111

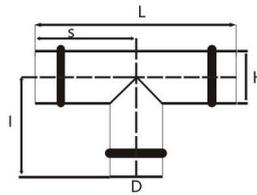
Aluminium Equal Tee



AIRpipe	D	L	I	H	S
2009 1005 00	20	127	82	36	49
2009 2005 00	25	155	100	45	62

AIRpipe	D	L	I	H	S
2009 4005 00	40	249	166	72	98
2009 5005 00	50	286	188	89	111
2009 6005 00	63	245	165	90	95
2009 7005 00	80	325	215	115	118

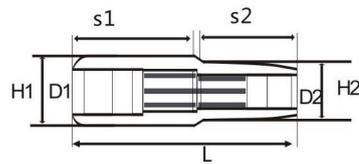
Aluminium Equal Tee



AIRpipe	D	L	I	H	S
2009 8005 00	100	310	135	101	155
2009 9005 00	150	332	157	153	166
2009 A005 00	200	375	212	205	188

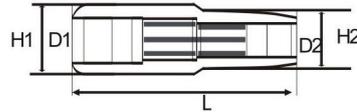
*Normally three 2009 8002/9002/A002 00 pipe to pipe joints are needed to connect the DN100/DN200 equal tee to the pipes.

Aluminium Reducing Pipe To Pipe Joint



AIRpipe	D1	D2	L	H1	S1	H2	S2
2009 2121 00	25	20	102	43	44	36	33
2009 4221 00	40	25	122	62	70	43	48
2009 5421 00	50	40	160	76	88	62	65
2009 6521 00	63	50	199	89	98	76	84
2009 7521 00	80	50	230	113	123	75	82
2009 7621 00	80	63	245	115	118	90	95

■ Aluminium Reducing Pipe To Pipe Joint



AIRpipe	D1	D2	L	H1	H2
2009 8721 00	100	80	197	113	101
2009 8621 00	100	63	182	89	101
2009 9821 00	150	100	174	153	101
2009 9721 00	150	80	197	113	153
2009 A921 00	200	150	170	212	160

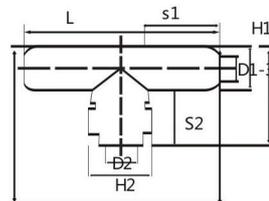
*For DN100-DN200 reducing joint, 2009 8002/9002/A002 00 pipe to pipe joint is needed.

■ Reducing Tee



Aluminium alloy series

AIRpipe	D1-3	D2	L
2009 6407 00	63	40	245
2009 6507 00	63	50	245
2009 7407 00	80	40	325
2009 7507 00	80	50	325
2009 7607 00	80	63	325
2009 8407 00	100	40	310
2009 8507 00	100	50	310
2009 8607 00	100	63	310
2009 8707 00	100	80	310
2009 9407 00	150	40	480
2009 9507 00	150	50	480
2009 9607 00	150	63	480
2009 9707 00	150	80	480
2009 9807 00	150	100	480
2009 A907 00	200	150	345
2009 A807 00	200	100	275
2009 A707 00	200	80	255
2009 A607 00	200	63	255
2009 A507 00	200	50	255
2009 A407 00	200	40	255



Polymer series

AIRpipe	D1-3	D2	L	I	H1	H2	S2
2009 2107 00	25	20	155	96	45	36	49
2009 4207 00	40	25	249	144	72	45	62
2009 5407 00	50	40	286	179	89	72	98

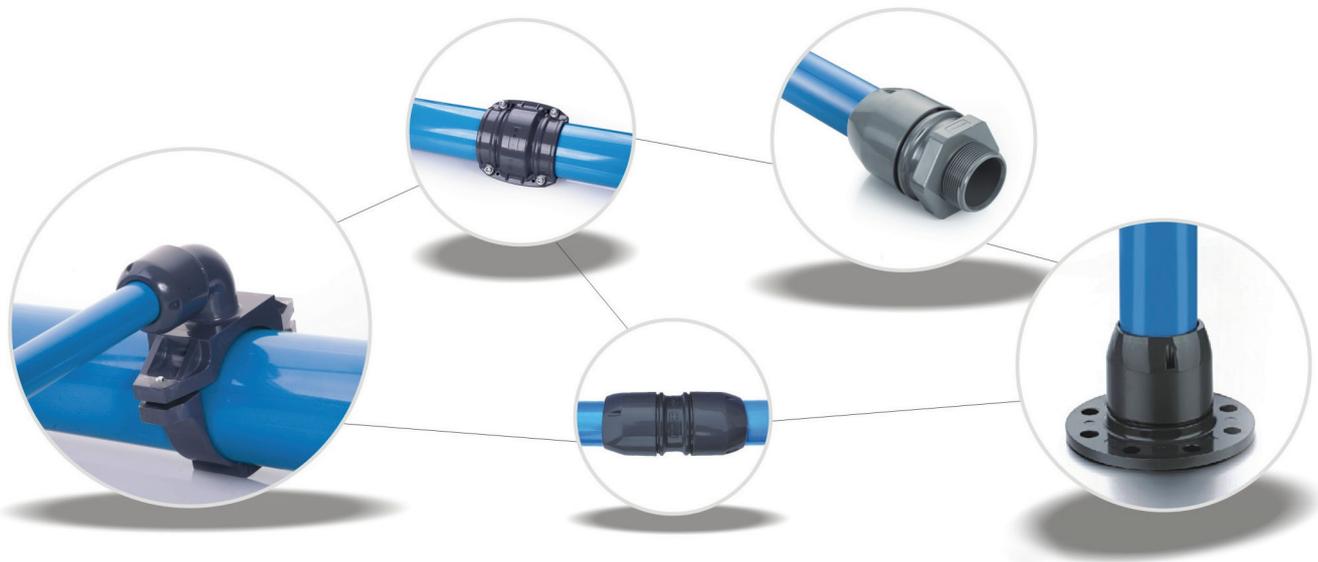
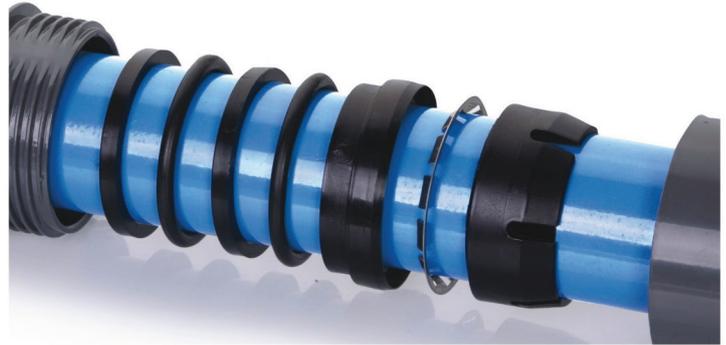
*For the DN100/DN200, 2009 8002/9002/A002 00 pipe to pipe joint is needed.
e.g: For 2009 9807 00, 2 pieces 2009 9002 00 and 1 piece 2009 8002 00 are needed to connect this reducing tee to the AIRpipe pipes.

■ Spare Parts For Connectors

Image for illustration purposes only



AIRpipe	D1
2009 1060 00	20
2009 2060 00	25
2009 4060 00	40
2009 5060 00	50
2009 6060 00	63
2009 7060 00	80
2009 8060 00	100
2009 9060 00	150
2009 A060 00	200

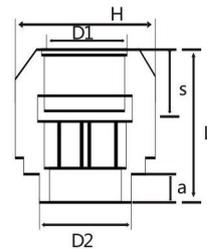




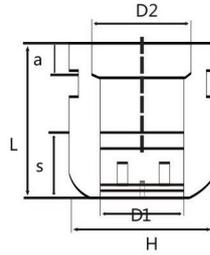
■ Aluminium Nipple Socket (Male Thread)



AIRpipe	D1	D2	L	H	S	a
2009 1017 00	20	1/2"	69	36	49	15
2009 1117 00	20	3/4"	71	36	49	17
2009 2117 00	25	3/4"	82	45	62	17
2009 2217 00	25	1"	85	45	62	20
2009 4217 00	40	1"	124	72	98	22
2009 4317 00	40	1 1/4"	124	72	98	22
2009 4417 00	40	1 1/2"	124	72	98	22
2009 5417 00	50	1 1/2"	140	89	111	22
2009 5517 00	50	2"	144	89	111	26
2009 6517 00	63	2"	125	90	95	30
2009 6617 00	63	2 1/2"	125	90	95	30
2009 7617 00	80	2 1/2"	150	115	118	30
2009 771700	80	3"	150	115	118	30

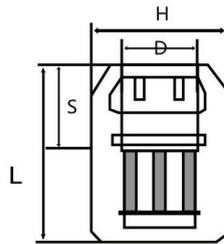


■ Aluminium Nipple Socket (Female Thread)



AIRpipe	D1	D2	L	H	S	a
2009 1119 00	20	3/4"	71	36	49	20
2009 2219 00	25	1"	85	45	62	22
2009 4419 00	40	1 1/2"	124	72	98	25
2009 5519 00	50	2"	141	89	111	28
2009 6619 00	63	2 1/2"	125	90	95	30

■ Aluminium End Cap



AIRpipe	D1	L	H	S	a
2009 1006 00	20	59	36	36	49
2009 2006 00	25	72	45	45	62
2009 4006 00	40	109	72	72	98
2009 5006 00	50	129	89	89	111
2009 6006 00	63	155	90	95	95
2009 7006 00	80	165	115	118	118



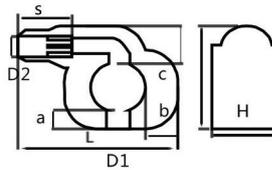
AIRpipe	D1	L
2009 8006 00	100	70
2009 9006 00	150	70
2009 A006 00	200	70

*One 2009 8002/9002/A002 00 pipe to pipe joint is needed for the DN100/DN200 end cap.

AIRpipe Quick Drops, Valves & Flanges

- The new generation quick drop can be used horizontally or vertically, connecting to a rigid pipe or hose
- The complete water trap ensures no water will enter the downstream branch
- Quick installation: no need to cut the pipes

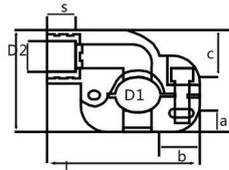
■ Polymer Quick Drop



AIRpipe	D1	D2	L	H	a	b	c	s
2009 2110 00	25	20	106	52	13	24	22	49
2009 4110 00	40	20	121	52	8	22	22	49
2009 4210 00	40	25	125	52	8	22	22	62
2009 5110 00	50	20	147	62	19	20	42	49
2009 5210 00	50	25	151	62	19	20	42	62
2009 6110 00	63	20	145	57	70	24	37	49
2009 6210 00	63	25	148	57	65	24	37	62

*Use AIRpipe drilling tools to drill the AIRpipe piping. Take the reference number 2009 0043 00, 2009 0143 00 and 2009 0243 00 to choose the suitable drilling tool and drilling jig.

■ Polymer Quick Drop (Female Thread)



AIRpipe	D1	D2	L	H	a	b	c	s
2009 2011 00	25	1/2"	90	52	25	36	34	14
2009 4011 00	40	1/2"	102	52	28	42	52	14
2009 4111 00	40	3/4"	102	52	28	42	52	16
2009 5011 00	50	1/2"	127	62	44	55	67	14
2009 5111 00	50	3/4"	127	62	44	55	67	16
2009 6011 00	63	1/2"	125	57	21	30	40	16
2009 6111 00	63	3/4"	125	57	21	30	40	16

AIRpipe	D1	D2	L	H	a	b	c	s
2009 7011 00	80	1/2"	195	57	30	43	53	16
2009 7111 00	80	1/2"	195	57	30	43	53	16

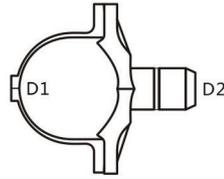
*The material for the DN80 threaded quick drop is aluminum.

Aluminium Quick Drop



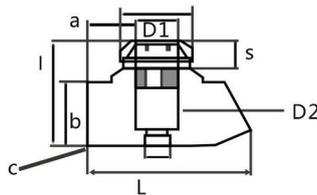
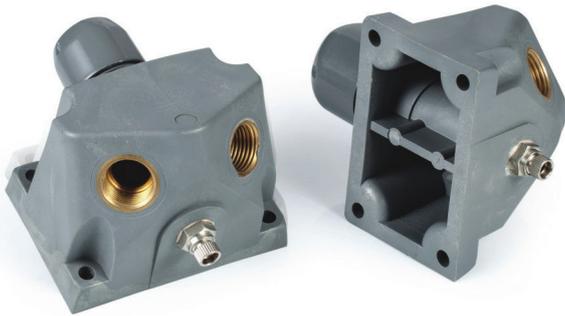
■ DN80 and DN200

■ DN100 and DN150



AIRpipe	D1	D2
2009 7110 00	80	20
2009 7210 00	80	25
2009 8210 00	100	25
2009 9210 00	150	25
2009 A210 00	200	25

Wall Brackets



AIRpipe	D1	D2	L	H	a	b	c	s
2009 1023 00	20	1/2"	100	100	83	68	25	49
2009 2023 00	25	1/2"	100	114	83	68	22	62

*There are two 1/2" female threaded outlets for air and one 1/4" outlet for drain on the AIRpipe connector.

*Drill tail screw, self-tapping screw and washer are attached for DN20/DN25 connector on wall.

Wall Bracket Features & Benefits



- 1 **Connecting diameter**
Two sizes for matching the branch line:
20mm (3/4") and 25mm (1")
- 2 **The direction of the outlet pipe**
Outlet pipe is installed vertically to
prevent the coupling from dropping
- 3 **Outlet pipe diameter**
1/2" BSP
- 4 **Drain valve**
Avoids oil contamination
- 5 **Quick installation**
Fixes to the wall with 4 screws

AIRpipe Quick Drops, Valves & Flanges

■ AIRpipe ball and butterfly valves can be installed by compressor outlets or upstream of pneumatic tools, enabling easy separation, adjustment and maintenance

- Quick installation
- Range of male threaded valves for connecting to the system

■ Quick Plug Valve (Female Thread)



AIRpipe	D1	D2
2009 1151 00	20	3/4"
2009 1251 00	20	1/2"
2009 2251 00	25	1"

*Drill tail screw, self-tapping screw and washer are attached.

■ Quick Plug Valve



AIRpipe	D1	Material of valve
2009 1051 00	20	Copper
2009 2051 00	25	Copper



AIRpipe	D1	Material of valve
2009 6051 00	63	Cast Iron
2009 7051 00	80	Cast Iron
2009 6151 00	63	Stainless Steel
2009 7151 00	80	Stainless Steel



AIRpipe	D1	Material of valve
2009 4051 00	40	Cast Iron
2009 5051 00	50	Cast Iron
2009 4151 00	40	Stainless Steel
2009 5151 00	50	Stainless Steel



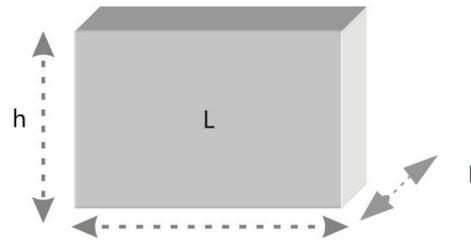
AIRpipe	D1	Material of valve
2009 8051 00	100	Cast Iron
2009 9051 00	150	Cast Iron
2009 A051 00	200	Cast Iron
2009 8151 00	100	Stainless Steel
2009 9151 00	150	Stainless Steel
2009 A151 00	200	Stainless Steel

*Two 2009 8002/9002/A002 00 pipe to pipe joints are needed to connect the DN100/DN200 valve to the pipe.

■ Copper Valve



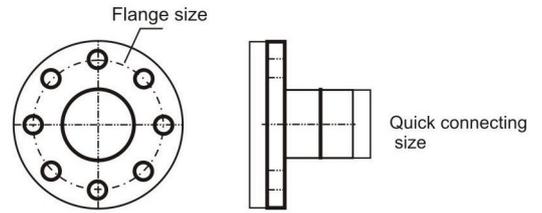
■ Demonstration Case



AIRpipe	H	L	I
2009 0046 00	46	33	14

Aluminium Flange Connector

All Flanges are PN16



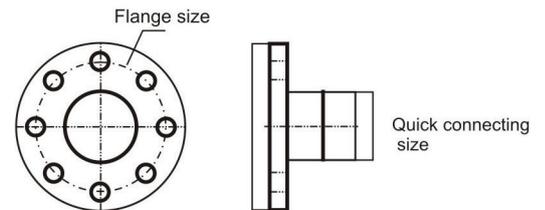
AIRpipe	Flange size	Quick connecting size	Hole Distance
2009 6170 00	DN63	DN63	145
2009 7170 00	DN80	DN80	160

*8 piece flange bolts (7cm) and the flange gasket are attached.

AIRpipe	Flange size	Quick connecting size	Hole Distance
2009 8170 00	DN100	DN100	180
2009 9170 00	DN150	DN150	240
2009 A170 00	DN200	DN200	295

*One 2009 8002/9002/A002 00 pipe to pipe joint is needed to connect the DN100/DN200 flange to the pipe.

Aluminium Reducing Coupling



AIRpipe	Flange size	Quick connecting size	Bolt	Hole Distance
2009 8771 00	DN100	DN80	M16	180
2009 8671 00	DN100	DN63	M16	180
2009 7871 00	DN80	DN100	M16	160
2009 7671 00	DN80	DN63	M16	160
2009 6771 00	DN63	DN80	M16	145

AIRpipe	Flange size	Quick connecting size	Bolt	Hole Distance
2009 0871 00	DN125	DN100	M16	210
2009 0771 00	DN125	DN80	M16	210
2009 9871 00	DN150	DN100	M20	240
2009 0971 00	DN125	DN150	M20	210
2009 A971 00	DN200	DN150	M20	295

*8 piece flange bolts (7cm) and the flange gasket are attached.

*One 2009 8002/9002/A002 00 pipe to pipe joint is needed to connect the DN100/DN200 flange to the pipe.

■ Flange With Female Thread (Stainless Steel)

All Flanges are PN16



AIRpipe	Female thread size	Flange size
2009 8570 00	2"	DN100
2009 8470 00	1*1/2"	DN100
2009 7570 00	2"	DN80
2009 7470 00	1*1/2"	DN80
2009 7270 00	1"	DN80
2009 6570 00	2"	DN65

AIRpipe	Female thread size	Flange size
2009 6470 00	1*1/2"	DN65
2009 6270 00	1"	DN65
2009 9770 00	3"	DN150
2009 9670 00	2*1/2"	DN150
2009 9570 00	2"	DN150
2009 9470 00	1*1/2"	DN150

*8 piece flange bolts (7cm) and the flange gasket are attached.

■ Flange With Female Thread (Carbon Steel)



AIRpipe	Female thread size	Flange size
2009 6279 00	1"	DN65
2009 6479 00	1.5"	DN65
2009 6579 00	2"	DN65
2009 7279 00	1"	DN80
2009 7479 00	1.5"	DN80
2009 7579 00	2"	DN80

AIRpipe	Female thread size	Flange size
2009 8479 00	1.5"	DN100
2009 8579 00	2"	DN100
2009 9479 00	1.5"	DN150
2009 9579 00	2"	DN150
2009 9679 00	2.5"	DN150
2009 9779 00	3"	DN150

*8 piece flange bolts (7cm) and the flange gasket are attached.

AIRpipe Tool

• Special tools for installing AIRpipe systems



Tool Box

AIRpipe

2009 0045 00

Tool box 2009 0045 00 includes:

- Spanner 2009 1228 00, 2009 4228 00×2, 2009 5228 00×2, 2009 6028 00×2, 2009 7028 00×2
- Marker Tool 2009 0044 00
- Aluminium pipe cutter 2009 0040 00
- Drill 2009 0043 00/2009 0143 00
- Drill holder 2009 0243 00
- Water pump plier 16"
- Hole deburrer 2009 0042 00
- Aluminium pipe deburrer 2009 0141 00
- Half-round file
- Marking pen
- Allen wrench 6mm, 8mm

Aluminium Pipe Cutter



AIRpipe

2009 0040 00
2009 0140 00

Applicable diameter

DN6-DN67
DN40-DN110

Aluminium Pipe Deburrer



AIRpipe

2009 0141 00

L

90

D

70

Applicable diameter

DN12-DN57

Hole Deburrer



AIRpipe

2009 0042 00

L

160

Applicable diameter

All

Drill



AIRpipe

2009 0043 00
2009 0143 00

L

50
50

D

14
19

Applicable diameter

DN25
DN40-DN80

*Before drilling, mount the quick drop reversely and mark. Drill to the reverse side of the quick drop at the speed of 650r/m. After drilling, remove the burr and clean up.

■ Drill Holder



AIRpipe	L	Applicable drill	Applicable diameter
2009 0243 00	110	14-30	DN25-DN80

■ Marking Tool



AIRpipe	L	Applicable diameter
2009 0044 00	220	DN25-DN100

■ Spanner



AIRpipe	L	Applicable diameter	Applicable connector
2009 1228 00	19	DN20-DN25	Aluminium
2009 4028 00	26	DN40	Polymer
2009 4228 00	26	DN40	Aluminium
2009 5028 00	19	DN50	Polymer
2009 5228 00	19	DN50	Aluminium
2009 6028 00	26	DN63	Aluminium
2009 7028 00	29	DN80	Aluminium

■ Male Thread Spanner



AIRpipe	Applicable diameter	Applicable screw material
2009 2128 00	DN20	Aluminium
2009 4128 00	DN40	Polymer
2012 4128 00	DN40	Aluminium
2009 5128 00	DN50	Polymer
2012 5128 00	DN50	Aluminium
2009 6128 00	DN63	Aluminium
2009 7128 00	DN80	Aluminium

■ Water Pump Plier



AIRpipe	Applicable diameter
2009 0028 00	DN20-DN80

■ Pipe Lugging Machine



AIRpipe	Applicable diameter
2009 0144 00	DN100-DN200



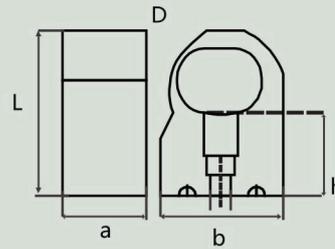
■ Pipe Cutter

AIRpipe	Applicable diameter
2009 0244 00	DN63-DN200

AIRpipe Fixture Accessories

- AIRpipe fixture accessories are used for installing pipes to the wall or roof, vertically or horizontally
- Suitable for various piping structures
- Suitable for AIRpipe systems

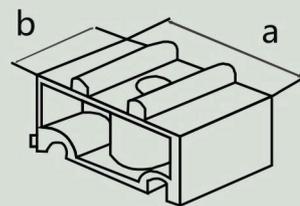
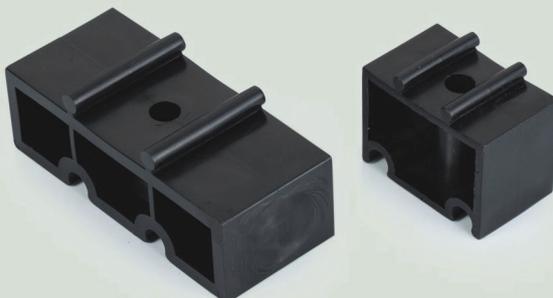
■ Fixing Clip



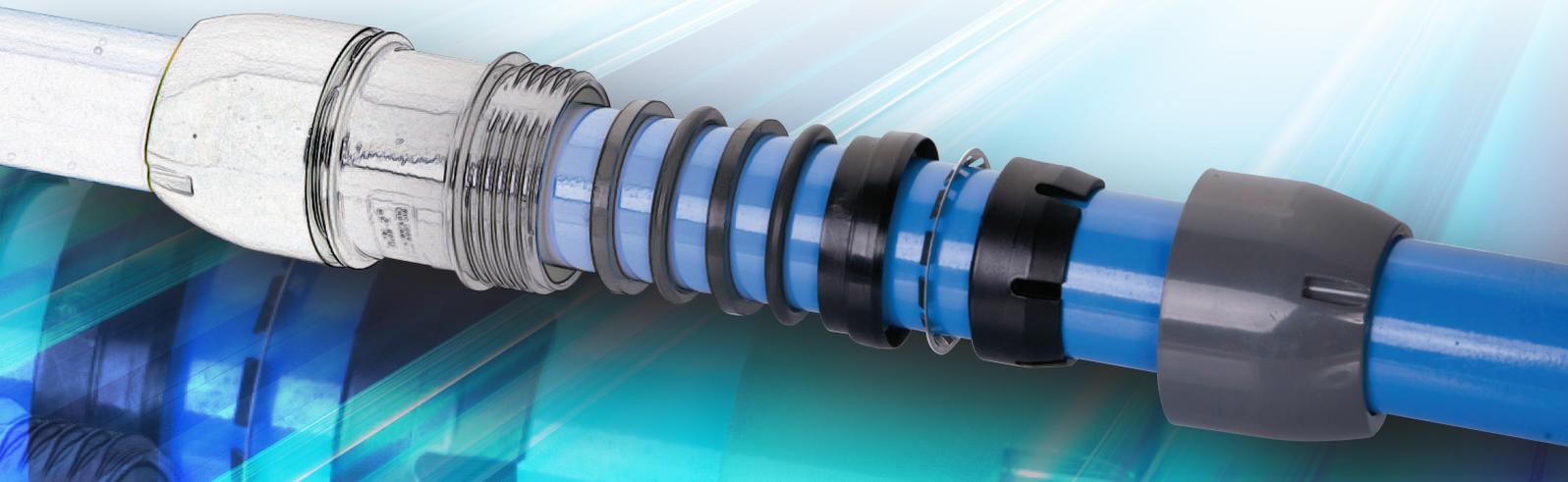
AIRpipe	D	I	L	H	a	b
2009 1022 00	20	M8	56.0	30.0	30.0	31.0
2009 2022 00	25	M8	60.0	27.5	30.0	38.0
2009 4022 00	40	M8	101.0	50.0	40.0	60.0
2009 5022 00	50	M8	108.0	45.0	40.0	75.0
2009 6022 00	63	M8	118.0	38.5	40.0	94.0
2009 7022 00	80	M8	172.0	71.0	50.0	119.0
2009 8022 00	100	M8	209.0	83.0	60.0	162.0

AIRpipe	D
2009 9022 00	150
2009 A022 00	200

■ Pipe Clip Spacer



AIRpipe	D	a	b
2009 0027 00	20-25	30	49
2009 0127 00	40-63	30	94



■ Stainless Steel Connector



AIRpipe	D1	D2
2009 8150 00	1" Male thread	3/4" Male thread
2009 8250 00	3/4" Male thread	1/2" Female thread
2009 5450 00	2" Male thread	1 1/2" Female thread
2009 7250 00	3" Male thread	1" Female thread
2009 6550 00	2.5" Male thread	2" Female thread
2009 5050 00	2" Male thread	1" Female thread
2009 4950 00	1.5" Male thread	1" Female thread
2009 7550 00	3" Male thread	2" Female thread
2009 6250 00	2.5" Male thread	1" Female thread
2009 8350 00	1/2" Female thread	1/4" Male thread

*2009 4950 00/2009 5050 00 is numbered on special cases.

■ Aluminium Adaptor



AIRpipe	D1	D2
2009 7650 00	3"	2 1/2"
2009 7450 00	3"	1 1/2"

■ Automatic Drain Valve



AIRpipe	Inlet & Outlet
2009 0973 00	1/2" BSPP Female thread

*One ball valve is needed before using this drain valve.

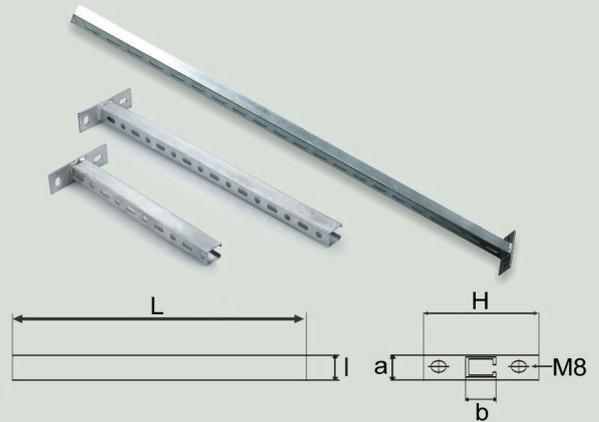
■ Square Steel



AIRpipe	L
2009 0230 00	3000

*When the square steel is fixed to the concrete pillar, the iron expansion 2009 1650 00 is needed.

■ Wall Mounted Bracket



AIRpipe	L	l	H	a	b
2009 0032 00	300	27	120	40	30
2009 0132 00	500	27	120	40	30
2009 0232 00	1200	27	120	40	30

*Two iron expansions are attached.

■ Adjustable Bracket



AIRpipe	L
2009 0432 00	1200-2400
2009 0532 00	1800

*2009 0432 00 is used for fixing the threaded fitting.
2009 0532 00 is used for fixing the flange fitting.
Two Iron expansion are attached.

■ T-bolts



AIRpipe	D	L
2009 0665 00	M8	50
2009 1465 00	M8	60
2009 1565 00	M8	70

*The washer is attached.

■ Threaded Steel Rod



AIRpipe	L	D	remark
2009 1150 00	40	M8	connecting buckle
2009 1750 00	3000	M8	connecting rod

*Two 8mm screws are attached.

■ Iron Expansion



AIRpipe	D
2009 1550 00	M8
2009 1650 00	M8*12cm

*2009 1650 00 is used for fixing the square steel to the concrete wall
2009 1550 00 is used for fixing the wall mounted bracket.

■ Hexagon Cap Screw



AIRpipe	D
2009 1250 00	M5.5x60mm
2009 2250 00	M5.5x35mm
2009 2350 00	M6x80mm

■ Wire Cable/Wire Cable Clamp



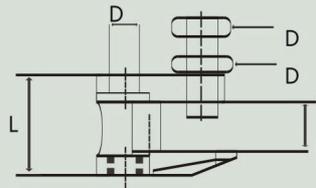
AIRpipe	L
2009 0150 00	100

*Wire cable

AIRpipe	L	I
2009 0250 00	15	5

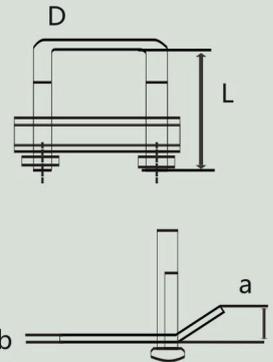
*Wire cable clamp

■ Girder Clamp



AIRpipe	D	L	I
2009 0433 00	M8	36	18

■ Fastener



AIRpipe	D	L	a	b
2009 0037 00	70	43	20	4

■ Universal Clamp



AIRpipe	D
2009 0135 00	25
2009 0235 00	50

■ Beam Suspender



AIRpipe	L	H	D1	D2
2009 0335 00	50	25	M6	M8

AIRpipe Important Installation Guide

■ Installation Instructions

■ AIRpipe pipes and hoses

AIRpipe pipes should be protected from mechanical shock, particularly if exposed to collision with a fork-lift or when positioned in an environment with moving loads overhead. Rotation of the pipe and pipe supports should be avoided. The pipeline system can't be connected by welding. AIRpipe hose should be installed as per the installation guidelines.

■ General

Prior to the installation of an AIRpipe compressed air system, the installer should ensure that the installation area complies with any regulations applicable to explosion hazards (in particular the effect of static in well and warehouse). AIRpipe should be installed downstream of the compressed air receiver or after the dryer. AIRpipe hose can be installed at the very start of the system in order to eliminate any source of vibration, and facilitate maintenance and operations. Before repair or modification of the AIRpipe system, the relevant section should be pressure relieved and emptied. Installers should only use AIRpipe components, accessories, pipe clips and fixture clamps. The technical properties of the AIRpipe components must be complied with as described in the AIRpipe catalogue.

■ Component Assembly

AIRpipe components are provided with assembly instructions for their correct use: simply follow the instructions and recommendations stated.

■ Commissioning the Installation

Once the AIRpipe installation has been installed and prior to the commissioning, the installer should complete all the tests, inspections and compliance checks as stated in the contract and according to reasonable engineering practices and current local regulations.

■ Expansion/Contraction

Expansion and contraction of the system can be automatically accounted for with the correct installation. The designer and installer should calculate the elongation and shrinkage of each pipeline according to the installation guide.

■ Situations to be Avoided

- Installation with a solid mass (concrete, foam, etc): especially underground
- Exposure to chemicals which are incompatible with AIRpipe components
- Using AIRpipe for earthing, or as a support for the electrical equipment
- The hanging of any external device to AIRpipe

AIRpipe meets all the above requirements

AIRpipe Reasonable engineering practice for the optimisation of the system

- Work should be performed in accordance with reasonable engineering practices during installation
- Bends cause pressure to drop
- To avoid pressure loss, use the hose or modular to offset the network for the purpose of bypassing obstacles
- Minimise the pipe diameter
- Clean air with adequate filtration is required at the compressor outlet
- Select the pipe diameter according to the required flow rate and acceptable pressure drop at the point of use
- Never round the pipe system in order to facilitate maintenance or service

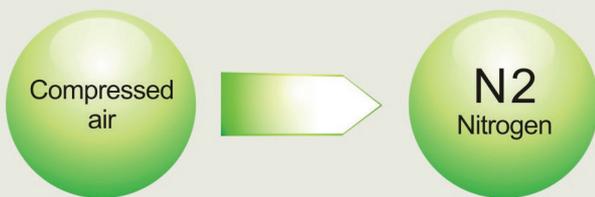
AIRpipe Aluminium Pipe

■ General

- AIRpipe aluminium pipe is supplied ready for use: no preparation is needed
- Due to the rigidity of AIRpipe aluminium pipe, the expansion and contraction, due to temperature is reduced. Over time the AIRpipe network will retain its trueness and performance
- Each connection is automatically secured and the seal is optimised. The use of this pipe minimises corrosion to the internal surface (self-protection of the pipe by the formation of aluminium oxide)
- AIRpipe aluminium pipe is available in 9 diameters: DN20, DN25, DN40, DN50, DN63, DN80, DN100, DN150 and DN200
- AIRpipe aluminium pipe from DN20-DN200 is especially designed for the primary and secondary network system for compressed air, vacuum and inert gas (nitrogen, argon)

■ Identification

This identification can be done by sticking adhesive labels directly to the pipe.



The arrow indicates the direction of the gas flow.

AIRpipe	Size
2009 15MM LABEL	15mm
2009 35MM LABEL	35mm

■ Drilling Indicator

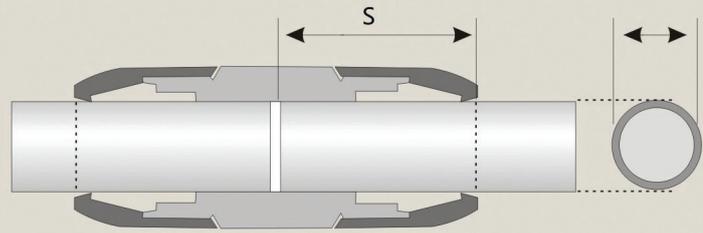
The locator on the pipe ensures the correct position for drilling more holes on the pipe.



Positioning logo

DN20-DN80 Installation Guide

■ Pipe To Pipe Connectors DN20-80



Diameter	S size(mm)
DN20	49
DN25	62
DN40	98

Diameter	S size(mm)
DN50	112
DN63	90
DN80	115

■ Steps:

01.

Mark the pipe at the desired position with a marker pen (using the marking tool)

02.

Loosen the nut (screw) of the fittings one circle or one and half circle, and then insert the pipe. Make sure that the pipe position meets the requirement of AIRpipe, i.e. it is inserted into the fitting to the length indicated by the 'S size' (shown in the table above).

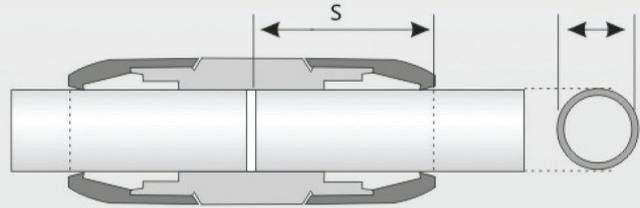
03.

Tighten the fittings with the torque wrench.

DN100-DN200 Installation Guide

■ Pipe To Pipe Connectors

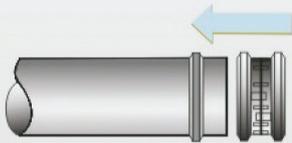
DN20-80



■ DN100-200

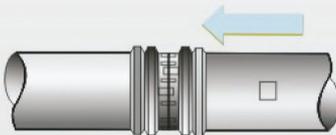
01

Slip the cartridge over the end of the first Pipe fully up to the shoulder.



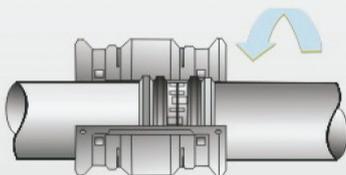
02

Bring the second pipe to the cartridge and slide fully up to the shoulder.



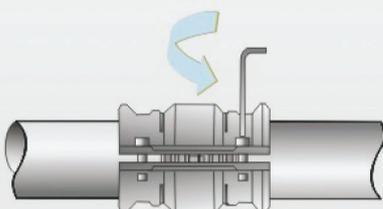
03

Position the clamp over the cartridge.



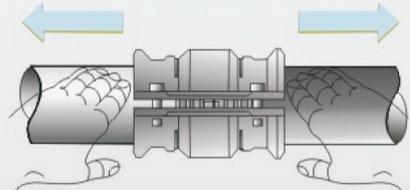
04

Tighten the pre-fitted screws with a screwdriver.



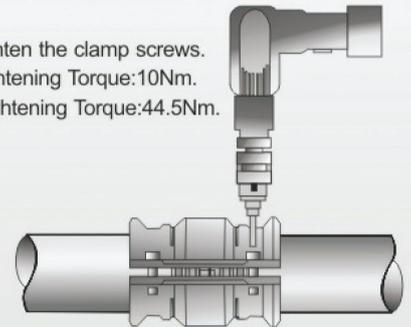
05

Pull the pipe fully back towards the outside of the clamp.



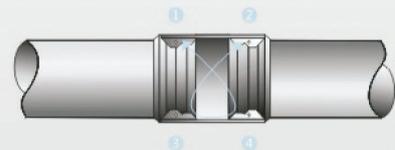
06

Fully tighten the clamp screws.
Min. Tightening Torque: 10Nm.
Max. Tightening Torque: 44.5Nm.



07

For effective clamp sealing, screwtightening should be performed on alternate sides of the clamp. To disconnect, perform the same operations in reverse order.



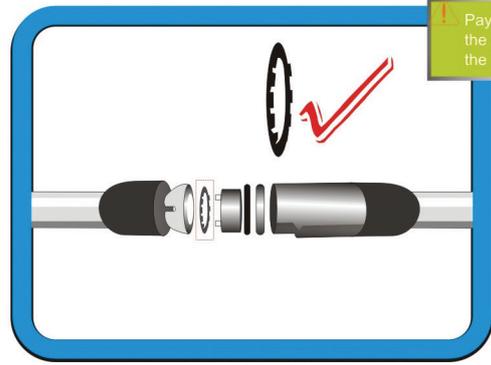
Diameter	S size(mm)	Diameter	S size(mm)
DN20	49	DN50	112
DN25	62	DN63	90
DN40	98	DN80	115

The size S is the length inserting the pipe into the connector. It should be ensured during installation.

Seal Kit



! Pay attention to the direction of the teeth



! Pay attention to the direction of the teeth

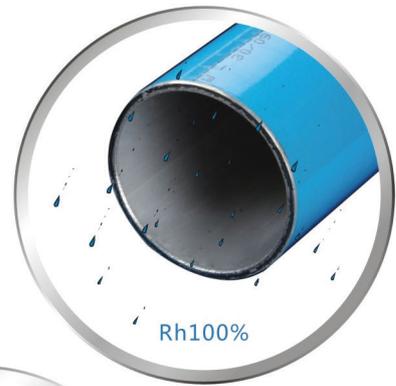
Suitable Range



4 bar ↔ 13bar
60 psi ↔ 188psi



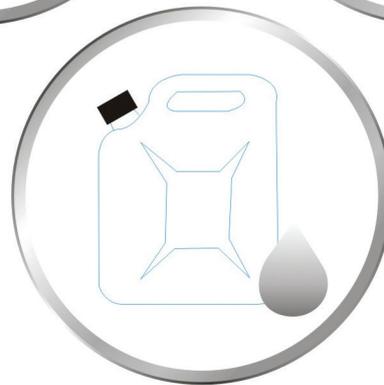
-20°C ↔ +70°C
(-30°C ↔ +80°C)*



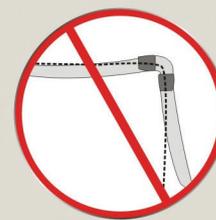
Rh100%



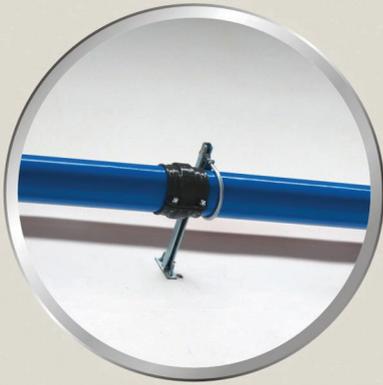
-70°C
-94°F



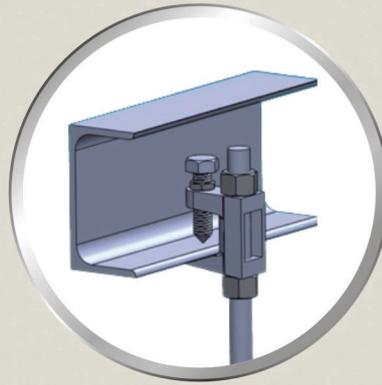
The following actions are not allowed during the installation of AIRpipe aluminium pipe



■ Fixing and supporting for AIRpipe network



01. Iron expansion is needed when fixing the tube clip on the wall. All AIRpipe tube clips are fixed with 8mm screw.



02. Girder clamp (209 0433 00) is used for the steel beam



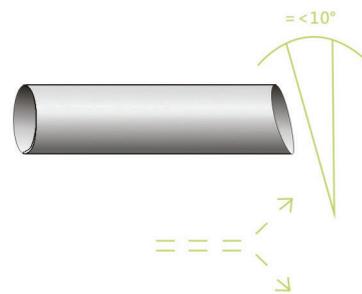
03. The cantilever bracket (209 0032 00 and 209 0132 00, the length of cantilever: 30 and 50cm) can be used when installation position is further away from the wall.

■ Cutting The Pipe

Rotate the corresponding pipe cutter around the pipe while gently tightening the wheel.



Use the cutter 209 0040 00 for DN20-DN63



Use the cutter 209 0140 00 for DN80-DN100

■ Deburring



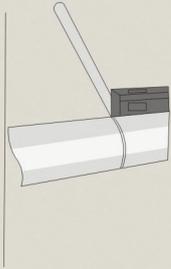
Deburr with a deburring tool 209 0141 00 for DN20-DN50



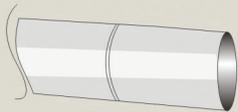
Deburr and remove any swarf with a deburring tool (209 0042 00) and a file for diameter between DN63 to DN200.

Suitable For All Connector Installations

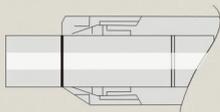
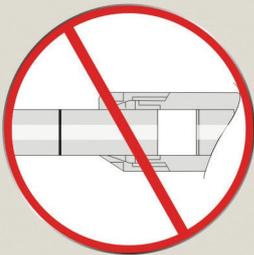
2009 0044 00



- 01.** Mark the pipe at the desired position with a marker pen (2009 0044 00)



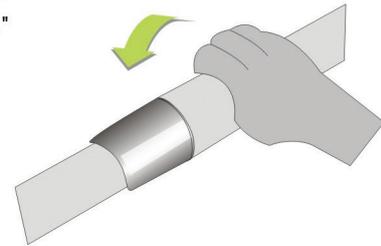
- 02.** Loosen the nut on the pipe one circle or one and half circles, then insert the pipe



- 03.** Make sure that the pipe position meets the requirement of AIRpipe



- A** Tightening the pipe by hand for DN20-DN50
 $\text{Ø}20\text{-}25\text{ mm } \frac{3}{4}\text{'-}1\text{'}$

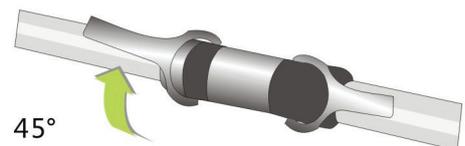


- B** Tightening the pipe with a spanner for DN40-DN100
 $\text{Ø}40\text{ mm } 1\frac{1}{2}\text{'}$
 $\text{Ø}50\text{ mm } 2\text{'}$

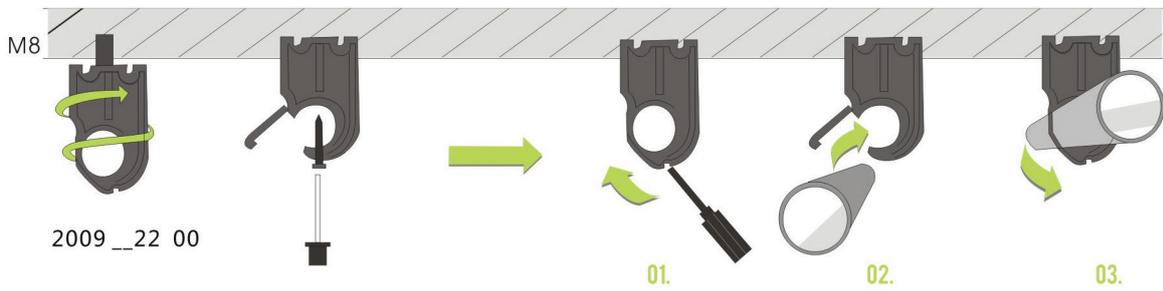


*Please note that there are two types of DN40/DN50 spanner.
 Please use 2009 4028 00 for the polymer connector
 while using 2009 5028 00 for the aluminium connector.

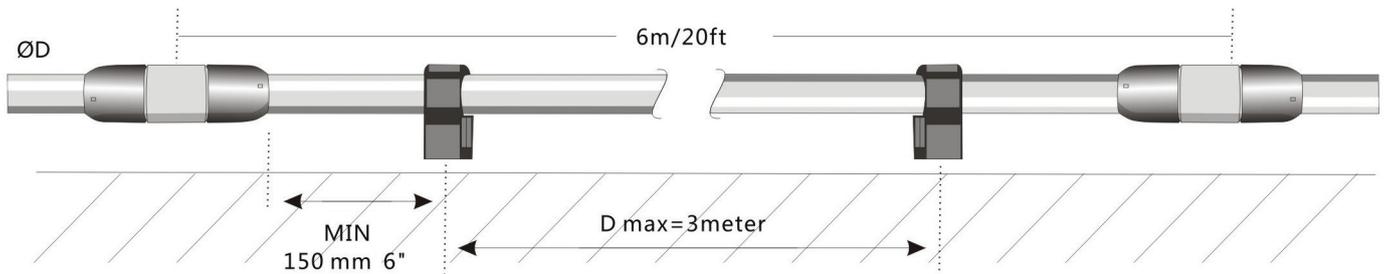
- C** $\text{Ø}63\text{ mm } 2\frac{1}{2}\text{'}$
 $\text{Ø}80\text{ mm } 3\text{'}$



■ Fixing Clips



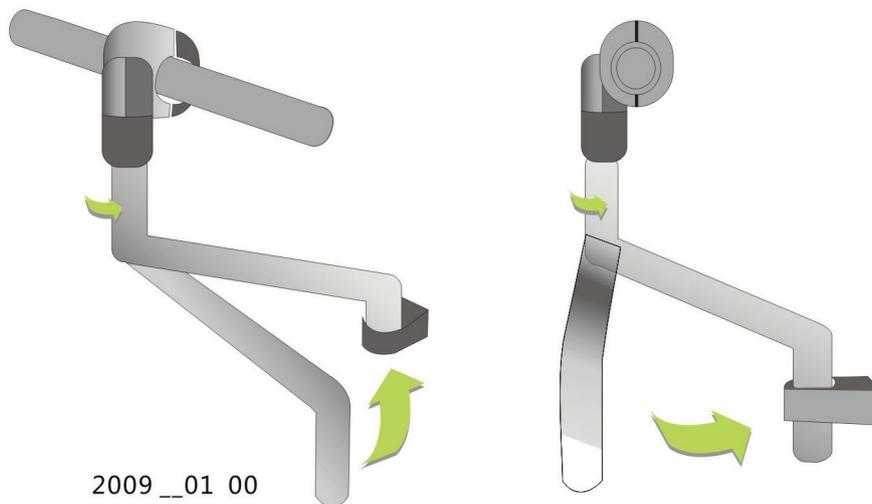
The fixing clips in an AIRpipe system are especially designed for AIRpipe aluminium pipe. It can be used conveniently and adapts to the expansion and contraction of AIRpipe aluminium pipe thus ensuring safety. The bolt size 8mm is suitable for all fixing clips.



The fixing clips should be fitted at a distance of at least 150mm from a quick assembly bracket in order to allow for the expansion and contraction of aluminium pipe.

Ø	L(m)	S size(mm)
20-25	6	2.5
40-50	6	3
60-20	6	5

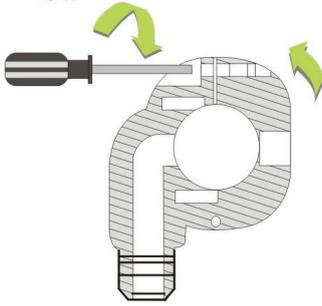
■ S Bends



S aluminium bend is especially designed for different situations. It can be conveniently connected to different branch pipes from the main pipe.

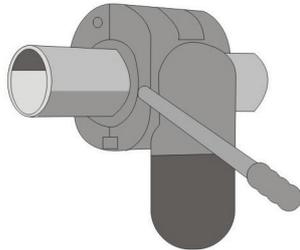
■ Fixing Quick Drop

01.

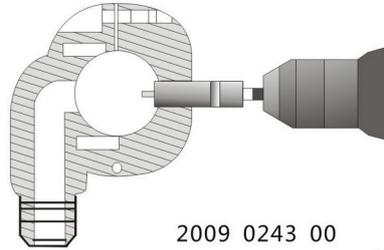


2009 __10 00

02.

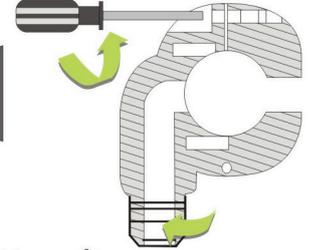


03.



2009 0243 00
2009 0043 00 Ø19 mm^{3/4}
2009 0143 00 Ø14 mm^{1/2}

04.



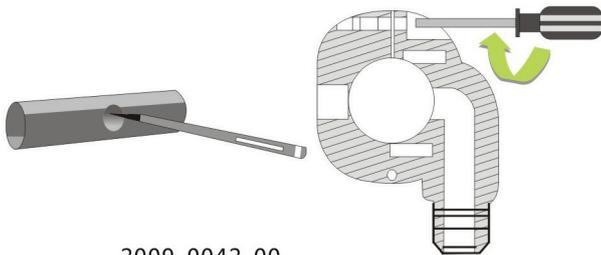
1. Put the quick drop at the desired position, turn 180° and tighten the nut.

2. Make a mark at one side with a marker pen.

3. Drill through pipe.

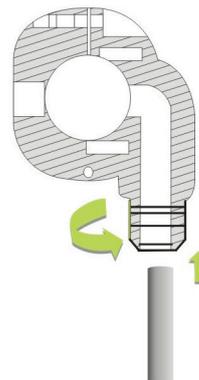
4. Turn quick drop 180° back to desired position and tighten to fit.

05.

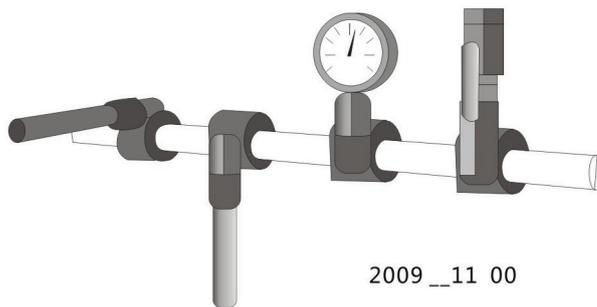
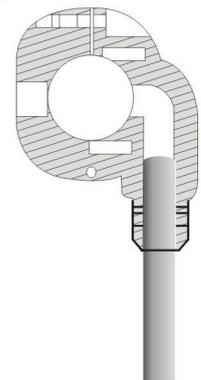


2009 0042 00

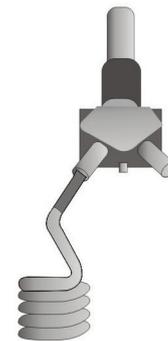
06.



07.



2009 __11 00



2009 __23 00

5. Deburr and remove any swarf, then position the quick drop using its location hole.

6. Loosen the quick nut.

7. Insert the branch pipe and tighten the nut.

■ Gasket For Pipe Clip



209 0027 00
Ø20-25 mm $\frac{3}{4}$ "-1"

209 0127 00
Ø40-63 mm $1\frac{1}{2}$ "-2 $\frac{1}{2}$ "

Gaskets enable different diameter pipes to be installed in one line. They can be conveniently connected to different branch pipes from the main pipe.

AIRpipe Loop Piping Close

■ DN25-DN80 (Use Hose)



■ The quick connection mode for DN100/DN200 can be used conveniently in the close of the looping ring

Please consult us more for further information on hose.



AIRpipe specializes in solutions for compressed air and fluids distribution. Throughout the last 10 years we have continued to invest in R&D, by taking into account market feedback and real-world conditions. Today, our new generation of products are engineered to be the most superior products available, advancing the compressed air and inert gas piping systems.



AIRpipe has a 100% ownership of more than 31,000 m2 layout of manufacturing plants, R&D and logistics. We are committed to being your total solution provider for compressed air and fluids distribution systems.



ALUMINUM PIPE DEBURRER



2009 0141 00

20-50

SPANNERS



2009 0028 00

ALUMINUM PIPE CUTTER



2009 0040 01 Aluminum pipe cutter,20-63
 2009 0140 00 Aluminum pipe cutter,40-100
 2009 0240 00 Blade for 0040 pipe cutter
 2009 0340 00 Blade for 0140 pipe cutter

ELECTRIC PIPE CUTTER



2015 0344 00

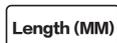
63-200

FIXING BOLTS



2009 1865 00 M8*40
 2009 0665 00 M8*50
 2009 1565 00 M8*70
 2009 1465 00 M8*60

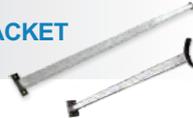
SQUARE STEEL



2009 0230 00

3000

ADJUSTABLE BRACKET



Complete With Wall Expansion Bolts



2009 0432 00 1200-2400 Threaded
 2009 0532 00 1200-2400 Flange

GRIDER CLAMP



2009 0433 00

SQUARE STEEL CLAMP



2009 0037 00

PIPE BENDING TOOL



2016 0047 00 20
 2016 0147 00 25

*Bending Angle: MAX.90°

M8 STUDDING



2009 1150 00 40
 2009 1750 00 3000

SELF TAP SCREWS



Complete With Plastic Wall Plugs

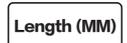


2009 1250 00 M5.5*60
 2009 2250 00 M5.5*35
 2009 2350 00 M6*60

WALL MOUNTED BRACKET



Complete With Wall Expansion Bolts



2009 0032 00 300
 2009 0132 00 500
 2009 0232 00 1200
 2012 0632 00 Suit to 150mm pipe

UNIVERSAL BEAM SUSPENDER



2009 0335 00 M6 8

FIXTURE CLAMPS



Universal Clamp



2009 0135 00 1"
 2009 0235 00 2"

WIRE SUSPENSION CABLE



2009 0150 00 ϕ 12

Suit to

2009 0250 00 Clamp Φ 12 wire Cable
 2009 0850 00 Knot tie Φ 12 wire Cable

LUGGING MACHINE



EUROPE

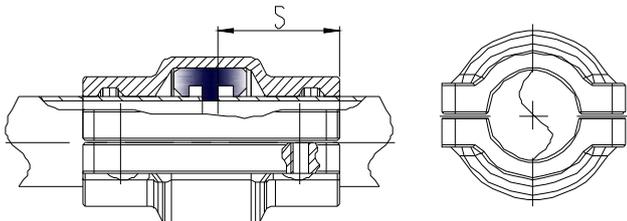


AE15 0844 00 Charge type and hand held hydraulic machine,for 63-200
 AE15 2844 00 Machine only
 2015 1844 00 Jaws only

* Comes With All Jaw Sets.

Superior Reliability Quick and Easy Installation

Insertion Depth S For DN20~DN50 Connector



DN	Insertion depth S (mm)
20	29
25	29
40	39
50	39

- The size S is the length inserting the pipe into the connector, it should be ensured during installation.

Installation Guide for DN20~DN50

01 Mark the pipe with a marker pen

02 Insert the marked pipe into the connector :

04 Part of marking line should remain visible on both side of fitting after pipe is inserted into the connector:

03 Bring the second pipe to the connector and slide up to the marked insertion depth

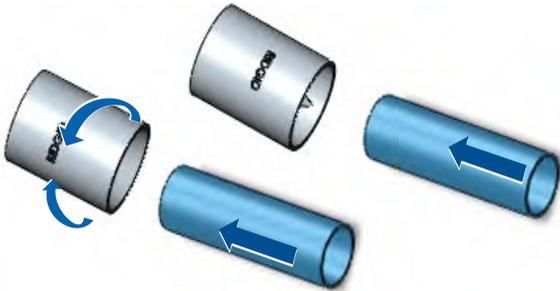
05 Hand tighten the screws with an Allen key.
Max. Torque: 8 N.m

06 Tighten the screws in a "X" pattern on alternate sides of the clamp:

To disconnect, perform the same operations in reverse order.

Deburr & Chamfer The Outer and Inner Edges Before Installation

- Use 2009 0141 00 for DN20-DN50 to chamfer the outer edges and also deburr the inner end.
- Use a file for DN63-DN200 to chamfer the outer edges; make use of a deburring tool to deburr the inside of the pipe end.



Installation Guide for DN63~DN200

01 Slide the sealing element over the end of the first pipe up to the edge of lug.

02 Insert the second pipe into the sealing element up to the edge of lug.

03 Position the clamp over the sealing element.

04 Tighten the pre-fitted screws by hand at first.

05 Pull the pipe fully back towards the outside of the clamp to complete alignment.

06 Fully tighten the clamp screws. Min Torque: 10 Nm Max Torque: 44.5 Nm makes the clamp closed fully.

07 For effective clamp sealing, screw tightening should be performed on alternate sides of the clamp. To disconnect, perform the same operations in reverse order.



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