



We provide superior performing compressed air & gas systems with engineered longevity to reduce operating costs and improve productivity.



ENGINEERED FOR SUPERIOR PERFORMANCE

Compressed Air & Gas Systems



**U.S. Headquarters -
AIRpipe USA**

Tel: 602.362.PIPE (7473)
6855 S. Kyrene Rd, Suite #101, Tempe, AZ 85283
Email: customerservice@airpipeusa.com
Web: www.airpipeusa.com



Publication Aippipe - #7/2017/USA
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AIRpipe specializes in solutions for compressed air and fluids distribution. Throughout the last 10 years we have continued to invest in R&D; taking into account market feedback and real-world conditions. Our products are engineered to be the most superior available - Advancing the compressed air & gas piping industry.

AIRpipe maintains a >300,000 sq ft campus for manufacturing, R&D, and logistics. We are committed to being your total system solutions provider.

Superior Reliability & Longevity

- Highly-durable materials resistant to corrosion, vibration, thermal variation, and outdoor weather conditions.
- Metal clamshell connectors for all diameters are stronger and more durable versus polymer fittings.
- Unique grab ring design (20-50mm) and lugged ring (63-200mm) allows for zero risk of disconnection.
- Patented active concentric seals provide leak-free performance, even in high vibration applications. Seal lifespan is double that of industry competitors.

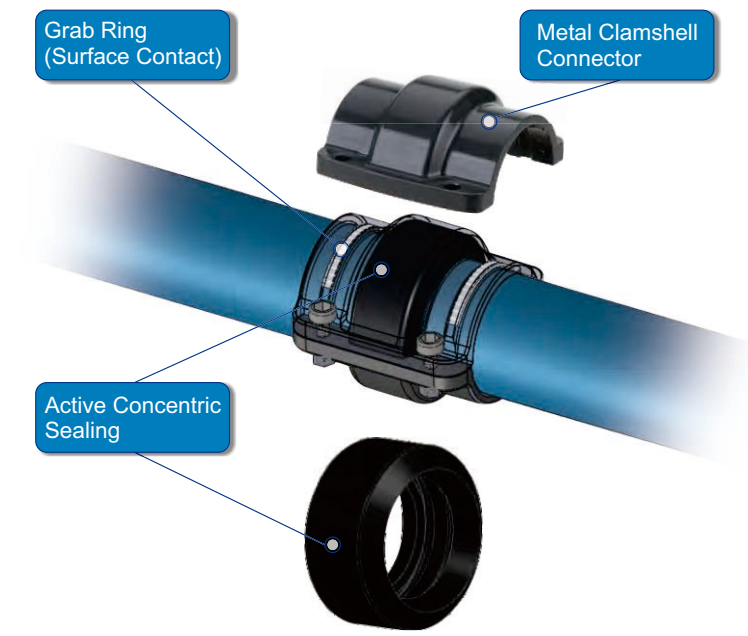


Energy & Cost Savings

- The smooth interior design and high-flow connectors ensures a constant supply of clean air at a reduced pressure drop, resulting in significant energy savings.
- Guaranteed leak-free performance and superior longevity versus traditional pipe systems.

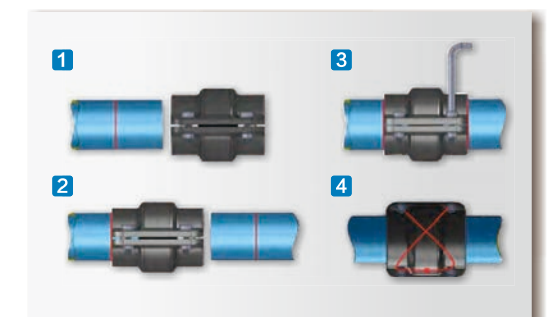
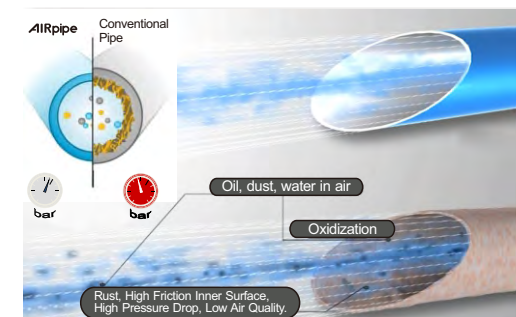
Quick & Easy Modular Installation

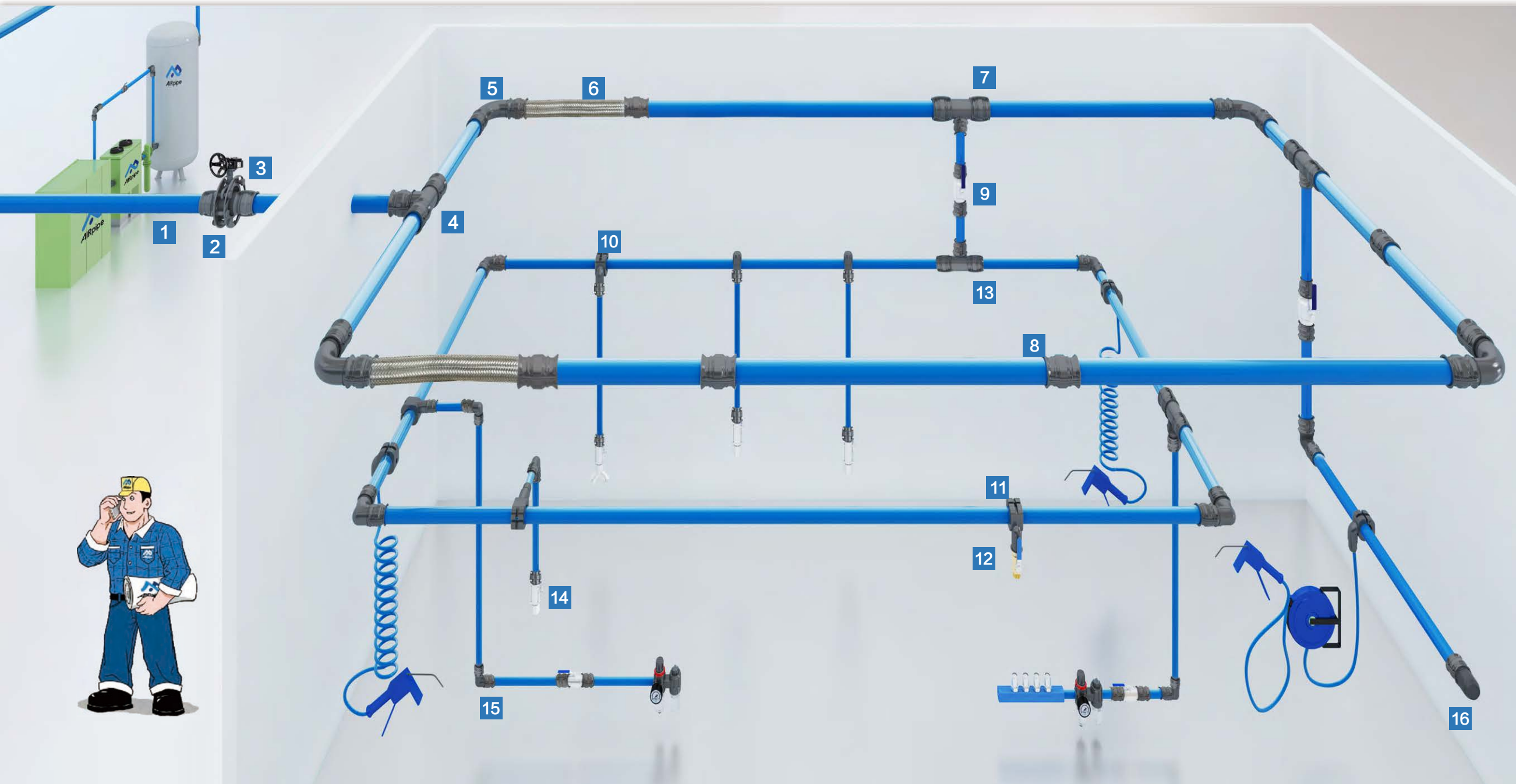
- Complete range of pipe, fittings and accessories works easily for new projects, renovations & extensions.
- Requires no special tooling, welding, gluing, brazing, soldering, or thread cutting.
- Reusable, lightweight, and modular design allows for easy modifications.
- Quick drops can be added at any time to create new points of use.



Dual Performance

- Burst PSI=1,450
- 20year life





- 1 Aluminum Pipe
- 2 Flanged Connector
- 3 Quick Connect Butterfly Valve
- 4 Equal Tee

- 5 90° Elbow
- 6 Flexible Hose
- 7 Reducer Tee
- 8 Pipe-to-Pipe Connector

- 9 Quick Connect Ball Valve
- 10 Aluminum Quick Drop
- 11 Quick Drop (Female Thread)
- 12 Nickel Plated Ball Valve

- 13 Quick Connect Equal Tee
- 14 One-Port Female Wall Bracket
- 15 Quick Connect 90° Elbow
- 16 Quick Connect End Cap

Product Range & Features

Rigid Aluminum Pipe



- Up to max. 8" diameter.
- High-quality powder coating available in blue, green and gray. Additional colors can also be supplied.
- Designed for compressed air, vacuum, and inert gases.
- Light-weight & corrosion-free.

Pipe Connectors



- Quick-connect design.
- Superior reliability & longevity.
- Largest selection of fitting configurations.
- Modular & reusable.
- 100% recyclable & non-flammable materials.

Drop Fittings



- Quick installation to main ring.
- Can be used vertically or horizontally.
- Design does not allow water to enter downstream points of use.
- Configurations allow for multiple drop connection types. e.g., hose reels.

Ball & Butterfly Valves



- Quick connection.
- Available for NPT thread, flange, and plug-in connection types.
- High-flow design ensures optimal performance.

Flexible Hoses



- Suitable for compressor & equipment outlets to absorb vibration.
- Allows for expansion and contraction of the pipe system.
- Bypass obstacles.
- Resistant to mineral or synthetic lubricated oils.

Tools & Accessories



- Suitable for various pipe systems.
- Used for a variety of installation methods, e.g., wall, beam, roof, channel, rod, etc.
- Designed to work best with AIRpipe products.

ALUMINUM PIPE-BLUE



AIRpipe	DN mm
1000	20
2000	25
4000	40
5000	50
6000	63
7000	80
8000	100
9000	150
A000	200

19 ft length

ALUMINUM PIPE-GREEN



AIRpipe	DN mm
1061	20
2061	25
4061	40
5061	50
6061	63
7061	80
8061	100
9061	150
A061	200

19 ft length

ALUMINUM PIPE-GRAY



AIRpipe	DN mm
1062	20
2062	25
4062	40
5062	50
6062	63
7062	80
8062	100
9062	150
A062	200

19 ft length

EQUAL 90° ELBOW



AIRpipe	DN mm
1003	20
2003	25
4003	40
5003	50



6003	63
7003	80
8003	100
9003	150
A003	200

*supplied with (2) union connectors

EQUAL TEE



AIRpipe	DN mm
1005	20
2005	25
4005	40
5005	50



6005	63
7005	80
8005	100
9005	150
A005	200

*supplied with (3) union connectors

EQUAL LATERAL TEE



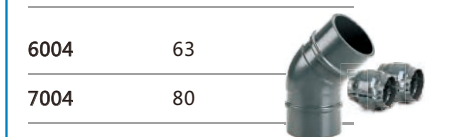
AIRpipe	DN mm
6009	60
7009	80
8009	100
9009	150
A009	200

*supplied with (3) union connectors

EQUAL 45° ELBOW



AIRpipe	DN mm
1004	20
2004	25
4004	40
5004	50



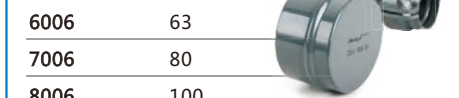
6004	63
7004	80
8004	100
9004	150
A004	200

*supplied with (2) union connectors

END CAP



AIRpipe	DN mm
1006	20
2006	25
4006	40
5006	50



6006	63
7006	80
8006	100
9006	150
A006	200

*supplied with union connector

PIPE-TO-PIPE CONNECTOR



AIRpipe	DN mm
1002	20
2002	25
4002	40
5002	50
6002	63
7002	80
8002	100
9002	150
A002	200



REDUCING TEE



AIRpipe	DN mm	DN mm
2107	25	20
4207	40	25
5407	50	40
6407	63	40
6507	63	50
7407	80	40
7507	80	50
8507	100	50

supplied with (2) union connectors



7607	80	63
8607	100	63
8707	100	80
9607	150	63
9707	150	80
9807	150	100
A607	200	63
A707	200	80
A807	200	100
A907	200	150

*Supplied With (3) Union Connectors

LATERAL REDUCING TEE



AIRpipe	DN mm
8712	100-80
9712	150-80
9812	150-100
A812	200-100
A912	200-150

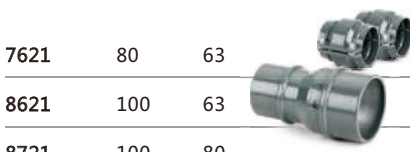
*supplied with (3) union connectors

REDUCING PIPE -TO -PIPE CONNECTOR



AIRpipe	DN mm	DN mm
2121	25	20
4221	40	25
5421	50	40
5221	50	25
6421	63	40
6521	63	50
7521	80	50

*supplied with union connector



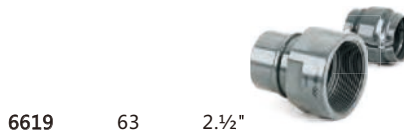
7621	80	63
8621	100	63
8721	100	80
9721	150	80
9821	150	100
A921	200	150

*Supplied With (2) Union Connectors

FEMALE THREADED ADAPTER



AIRpipe	DN mm	NPT
1119	20	3/4"
1019	20	1/2"
2219	25	1"
2019	25	1/2"
4419	40	1.1/2"
5519	50	2"



6619	63	2.1/2"
7719	80	3"

*supplied with union connector

MALE THREADED ADAPTER



AIRpipe	DN mm	NPT
1017	20	1/2"
1117	20	3/4"
2017	25	1/2"
2117	25	3/4"
2217	25	1"
4217	40	1"
4317	40	1.1/4"
4417	40	1.1/2"
4517	40	2"
5417	50	1.1/2"
5517	50	2"



6517	63	2"
6617	63	2.1/2"
7617	80	2.1/2"
7717	80	3"

*Supplied With Union Connector

MALE ELBOW



AIRpipe	DN mm	NPT
1015	20	1/2"
1115	20	3/4"
2015	25	1/2"
2215	25	1"
4415	40	1.1/2"
5515	50	2"

FEMALE ELBOW



AIRpipe	DN mm	NPT
1013	20	1/2"
1113	20	3/4"
2013	25	1/2"
2213	25	1"
4413	40	1.1/2"
5513	50	2"

STRAIGHT QUICK DROP



AIRpipe	DN mm	DN mm
8410	100	40
9410	150	40
9510	150	50
A410	200	40
A510	200	50

QUICK DROP



AIRpipe	DN mm	DN mm
2110	25	20
4110	40	20
4210	40	25
5110	50	20
5210	50	25
6110	63	20
6210	63	25
7110	80	20
7210	80	25
8110	100	20
8210	100	25
9110	150	20
9210	150	25
A210	200	25

FEMALE THREADED QUICK DROP



AIRpipe	DN mm	NPT
2011	25	1/2"
4011	40	1/2"
4111	40	3/4"
5011	50	1/2"
5111	50	3/4"
6011	63	1/2"
6111	63	3/4"
7011	80	1/2"
7111	80	3/4"
8011	100	1/2"
9011	150	1/2"

NICKEL PLATED LOCKING BALL VALVE



AIRpipe	NPT
FEMALE	
0073	1/2"
0173	3/4"
2073	1"
4073	1.1/2"
5073	2"
MALE	
1073	1/2"
1173	3/4"
MALE/FEMALE	
0273	1/2"
1273	3/4"

MALE THREADED QUICK CONNECT VALVE



AIRpipe	DN mm	NPT
1351	20	3/4"
2351	25	1"
4351	40	1.1/2"
5351	50	2"

*locking handle

METAL PIPE HANGER



AIRpipe	DN mm
4122	40
5122	50
6122	63
7122	80
8122	100
9122	150
A122	200

FIXTURE CLIP



AIRpipe	DN mm
1022	20
2022	25
4022	40
5022	50
6022	63
7022	80
8022	100

3/8" - 16 threaded rod port

FLEXIBLE HOSES



Straight connection, Rubber

AIRpipe	DN mm	Length (in)
1055	20	43"
2055	25	43"
4055	40	25"
5055	50	25"

Straight connection, Metal



AIRpipe	DN mm	Length (in)
6055	63	28"
7055	80	28"
8055	100	28"
9055	150	45"
A055	200	66"

*supplied with (2) union connectors

30° Angle connection, Rubber



AIRpipe	DN mm	Length (in)
4155	40	53"
5155	50	58"
6155	63	60"
7155	80	82"
8155	100	82"

*supplied with (2) union connectors

QUICK CONNECT VALVE



AIRpipe	DN mm
1051	20
2051	25
4051	40
5051	50

*locking handle

ONE-PORT FEMALE WALL BRACKET



AIRpipe	DN mm	NPT
1251	20	1/2"
2251	25	1"
2451	25	1/2"
4451	40	1 1/2"
5551	50	2"

*locking handle
*includes versatile mounting plate and hardware.

ALUMINUM FLANGE



AIRpipe	DN mm
6170	63
7170	80
8170	100
9170	150
A170	200

* supplied with union connector, gasket and bolt kit

TWO-PORT FEMALE WALL BRACKET



AIRpipe	DN mm	NPT
1151	20	2 outlets 1/2"
2151	25	2 outlets 1/2"

*locking handle
*includes versatile mounting plate and hardware.

ANGLED TWO-PORT FEMALE WALL BRACKET



AIRpipe	DN mm	NPT
1551	20	2 outlets 1/2"
2551	25	2 outlets 1/2"

*locking handle
*includes versatile mounting plate and hardware.

ONE & TWO PORT ANGLED WALL BRACKETS



AIRpipe	DN mm	NPT
1123	20	one port 1/2"
2123	25	one port 1/2"
1023	20	two ports 1/2"
2023	25	two ports 1/2"

*Includes 1/4" drip port.

BUTTERFLY VALVE (PRE-ASSEMBLED)



AIRpipe	DN mm
6051	63
7051	80
8051	100
9051	150
A051	200

*supplied with (2) union connectors

ALUMINUM REDUCING FLANGE



AIRpipe	DN mm	SIZE
6771	80	63
7871	100	80
8771	80	100
8671	63	100
7671	63	80
0871	100	125
0771	80	125
9871	100	150
0971	150	125

* supplied with union connector, gasket and bolt kit

ELECTRIC PIPE CUTTER



AIRpipe	DN mm
0344	63-200

HOLE SAW BIT



AIRpipe	DN mm
0043	14MM
0143	19MM
0343	25MM
0443	38MM
0543	51MM

*Consult sizing chart for proper bit selection.

DRILL ARBOR & PILOT BIT



AIRpipe	DN mm
0243	14-30mm
0643	32-152mm

PIPE INSERTION DEPTH GAUGE



AIRpipe
0044

SAMPLE CASE



AIRpipe
0146

TOOL KIT



AIRpipe
0045

* Items supplied in airpipe tool bag

ALUMINUM PIPE DEBURRER



AIRpipe	DN mm
0141	20-50

HOLE DEBURRER



AIRpipe	DN mm
0042	20-200

ALUMINUM PIPE CUTTER



AIRpipe	DN mm
0240	0040 Aluminum pipe cutter blade
0340	0140 Aluminum pipe cutter blade
0040	Aluminum pipe cutter, 20-63
0140	Aluminum pipe cutter, 40-100

PORTABLE LUGGING MACHINE



AIRpipe	DN mm
0844	Charge type and hand held hydraulic machine, for 63-200

* Comes With All Jaw Sets

Superior Reliability!

Quick and Easy Installation

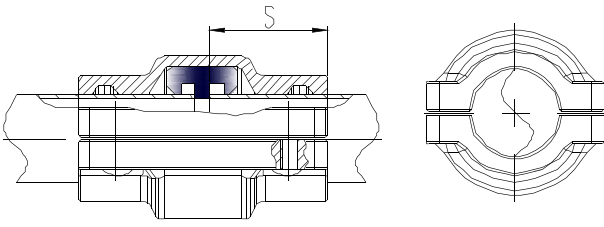


Sizing Chart for Quick Drops

Drill	Drill Holder	DN(MM)	Quick Drops (PN)			
2009 0243 00	2009 0043 00	Φ14	2015 2110 99	AU15 2011 00	2015 2011 00	AE15 2110 99
2009 0243 00	2009 0143 00	Φ19	AE15 4110 99	AE15 4210 99		
			AE17 5110 99	AE17 5210 99	AU17 5011 00	AU17 5111 00
			2017 5011 00	2017 5111 00		
			AE17 6110 99	AE17 6210 99	AU17 6011 00	AU17 6111 00
			2017 6011 00	2017 6111 00		
2009 0243 00	2009 0343 00	Φ25	AE17 7110 99	AE17 7210 99	AU17 7011 00	AU17 7111 00
			2017 7011 00	2017 7111 00		
			AE17 8110 99	AE17 8210 99	AU17 8011 00	2017 8011 00
			AE17 9110 99	AE17 9210 99	AU17 9011 00	2017 9011 00
			AE17 A210 99			
2015 0643 00	2015 0443 00	Φ38	AE15 8410 99			
2015 0643 00	2015 0543 00	Φ51	AE15 9410 99	AE15 9510 99	AE15 A410 99	AE15 A510 99



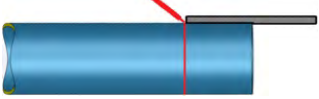
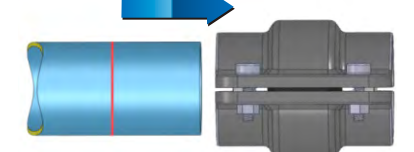
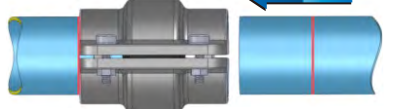
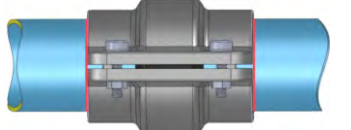
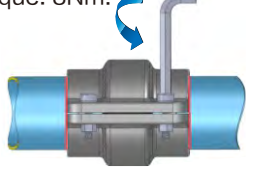
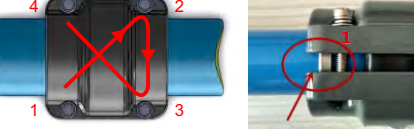
Insertion Depth S For DN20~DN50 Connector



DN	Insertion depth S (IN)
20	1.14"
25	1.14"
40	1.53"
50	1.53"

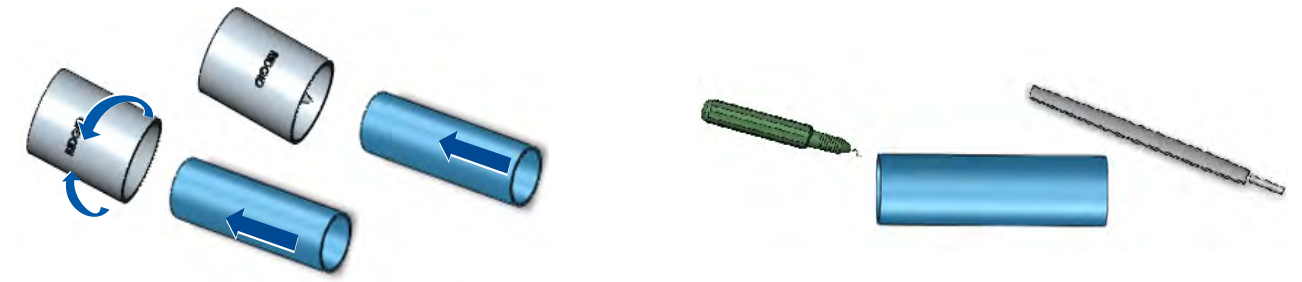
"S" denotes the insertion depth of the pipe into the connector.

Installation Guide for DN20~DN50



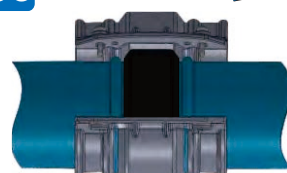
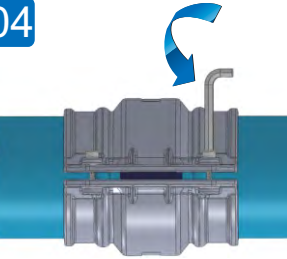
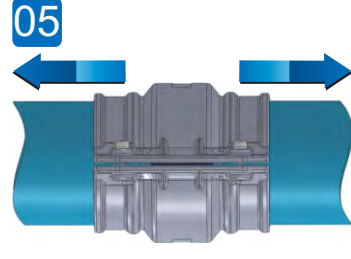
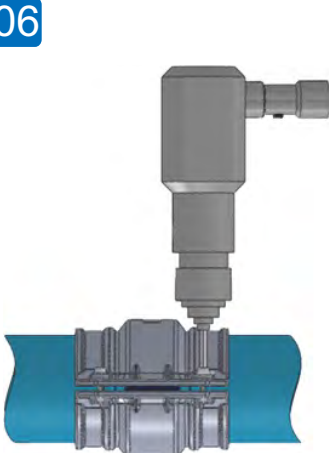
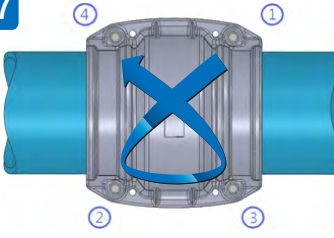
- 01 Mark the pipe with a marker pen as shown below: 
- 02 Insert the marked pipe into the connector: 
- 03 Bring the second pipe to the connector and slide up to the marked insertion depth 
- 04 A portion of the marked lines should remain visible after the pipe is inserted into the connector. 
- 05 Torque the pre-fitted screws Max. Torque: 8Nm. 
- 06 Tighten the screws in an "X" pattern. To disassemble, perform the same operation in reverse order. 

Deburr & Chamfer The Outer and Inner Edges Before Installation

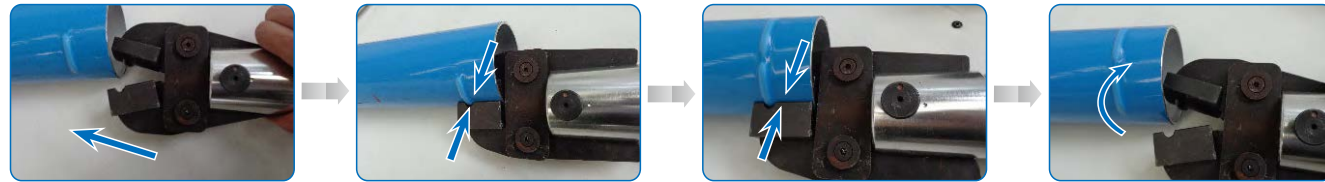
- Use 0141 for DN20-DN50 to chamfer the outer edges and also deburr the inner end.
- Use a file for DN63-DN200 to chamfer the outer edges; make use of a deburring tool to deburr the inside of the pipe end.



Installation Guide for DN63~DN200

- 01 Slide the seal over the edge of the pipe so that it sits flush with the lugged edge. 
- 02 Insert the second pipe into the seal until the seal and the lugged edge are flush. 
- 03 Position the clamp over the seal. 
- 04 Tighten the pre-fitted screws. 
- 05 Pull the pipe back towards the outside of the clamshell to complete alignment. 
- 06 Fully tighten the clamp screws. 7 ft-lbs Torque:10Nm. 20 ft-lbs. Torque:44.5Nm, Clamshell halves should be flush with each other. 
- 07 For effective assembly, tighten the screws in an "X" pattern. To disassemble, perform the same operation in reverse order. 

Hand-held hydraulic lugging machine operation requirements



Manually open the jaws of the clamp and insert the aluminum pipe into the clamp as far as possible.

Release the jaws. Press the trigger and crimp the pipe until a "snap" sound is heard.

Renew the operation until the required minimum number of lugs for each diameter is finished.

Re-open the two jaws to remove the pipe and rotate the pipe slightly.

Number of lugs for each diameter:

AIRPIPE	DN63	DN80	DN100	DN150	DN200
	5	6	6	9	12

Note: Do not overlap the lugs!

DN	H(mm)
63	3.0~3.3
80	3.0~3.3
100	3.0~3.3
150	3.0~3.3
200	3.0~3.3



FLOW RATE SCFM	Length										AIRPIPE
	200	400	500	1000	1500	2500	3000	4000	5000	6500	
6	20	20	20	20	20	20	20	25	25	25	
19	20	20	20	25	25	25	25	25	25	40	
31	20	25	25	25	25	25	25	40	40	40	
44	25	25	25	25	40	40	40	40	40	40	
62	25	25	25	40	40	40	40	40	40	50	
93	25	40	40	40	40	40	40	50	50	50	
156	40	40	40	40	50	50	50	50	50	50	
218	40	40	40	50	50	50	63	63	63	63	
312	40	40	50	50	63	63	63	63	63	63	
467	40	50	50	50	63	63	63	80	80	80	
623	50	50	63	63	63	80	80	100	100	100	
779	50	50	63	63	63	100	100	100	100	100	
935	50	63	63	80	80	100	100	100	100	100	
1090	63	63	80	80	80	100	100	100	100	150	
1246	63	80	80	80	100	100	100	100	150	150	
1558	63	80	80	80	100	100	100	150	150	150	
1869	80	80	80	100	100	150	150	150	150	150	
2181	80	80	100	100	150	150	150	150	150	150	
2492	80	100	100	100	150	150	150	150	150	150	
2804	80	100	100	150	150	150	150	150	150	150	
3115	80	100	100	150	150	150	150	150	150	150	
3427	100	100	100	150	150	150	150	150	150	150	
3738	100	100	150	150	150	150	150	150	150	150	
4050	150	150	150	150	150	150	150	150	150	200	
4673	150	150	150	150	150	150	150	200	200	200	
4984	200	200	200	200	200	200	200	200	200	200	
5296	200	200	200	200	200	200	200	200	200	200	
6231	200	200	200	200	200	200	200	200	200	200	
7477	200	200	200	200	200	200	200	200	200	200	

• Closed loop system at 116 psi with 5% allowable pressure drop.

Technical Specifications

- Max. working pressure: 232 psi.
- Max. working pressure for DN200 is 188 psi.
- Vacuum: 3.8 inches of mercury (absolute pressure)
- Working temperature: -4 up to +176.
- Suitable fluids: compressed air, oil-free or lubricated, vacuum, inert gases.
- Fireproof. and suitable for outdoor applications.

Standards

2014/68/EU, ASME B31.1, TUV, GB/T4437.1-2000, EN755-8, TS, UL 94 ISO 8573-1



Engineered for Superior Performance

- We are committed to provide superior products and service.
- R&D is a continuous process linked to real-world conditions & market feedback.
- Always customer oriented, from design production to sales and service.



we are at your **SERVICE**

