

# ALCANTARA



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AIRLITE  
SAVE MORE

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EASY  
FAST  
RELIABLE  
COST-SAVING

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EASY | FAST | RELIABLE | COST-SAVING

## About Us

As a pioneer in compressed air and pressure fluids distribution, AirLite is dedicated to a continuous improvement of aluminum pipes and fittings for compressed air, vacuum, and inert gas, etc. After years of research and engineering practice, we have released the latest generation of air piping system—AirLite all-aluminum air piping system.

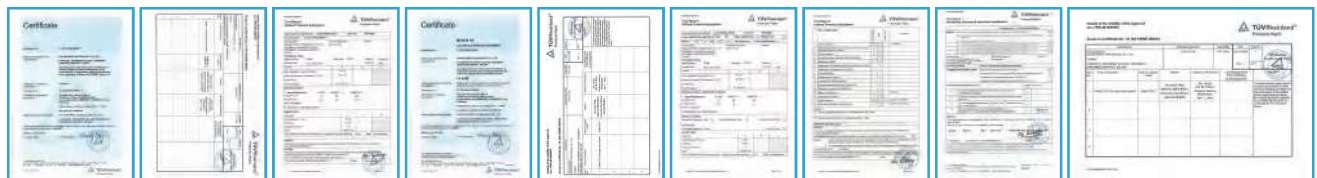
We recognize the significance of safety and reliability that the air piping system plays in the plants. AirLite Aluminum meets the requirements of several industry certifications and standards, ensuring the highest level of safety and quality. With confidence in its patented design and quality management, AirLite honorably manufactured products are guaranteed with 15 years of quality assurance.

We understand your needs, our fast-response and knowledgeable team are ready at your service, to help you get the most suitable air pipe system and components. We're committed to providing excellent customer service on quality products at a competitive price.



## Certificates

ISO9001, ISO8573, CE, ASME, TUV, PED2014 / 68 / EU



## Advantages Overview

### AirLite-- Optimized Performance Air Piping System

AirLite aluminum air piping system suits for compressed air, vacuum, and inert gas, etc. AirLite air pipe system ranges from 20mm (3/4") to 200mm (8") to integrate your project without compromising performance. Through its reliable leak-free design and durable corrosion-resistant material, AirLite aluminum air piping system consistently provides clean and quality air sources, guarantee total cost saving and optimization of your air system and production efficiency.

The light-weight but durable aluminum material guarantees high-quality air and low-pressure drop. Modular designed fittings and pipes could be reused.

AirLite air piping system meets the requirements of several industry certifications and standards, ensuring the highest level of safety and quality. All AirLite products are guaranteed with 15 years of quality assurance.

Contact AirLite for more details.

### Fast, Easy and Adaptable to Modification/Installation

AirLite unique patented modular design and push-to-connect fittings make the system super easy and fast to install, modify and expand without welding, soldering or any other time-consuming processing. It helps to save 60%-80% cost in installation, modification, and maintenance.

### Total Cost-saving from the Start to the Whole Process

AirLite significantly reduces plant total cost of ownership:

1. AirLite easy & fast design helps to reduce the cost for installation, modification, and maintenance.
2. AirLite helps ownership save energy by increasing efficiency, reducing pressure drops, and eliminating leaks or disconnection.
3. AirLite provides continuous clean and quality air sources, which will prolong the lifespan of your production line.



### Exclusive Design, Optimized Performance

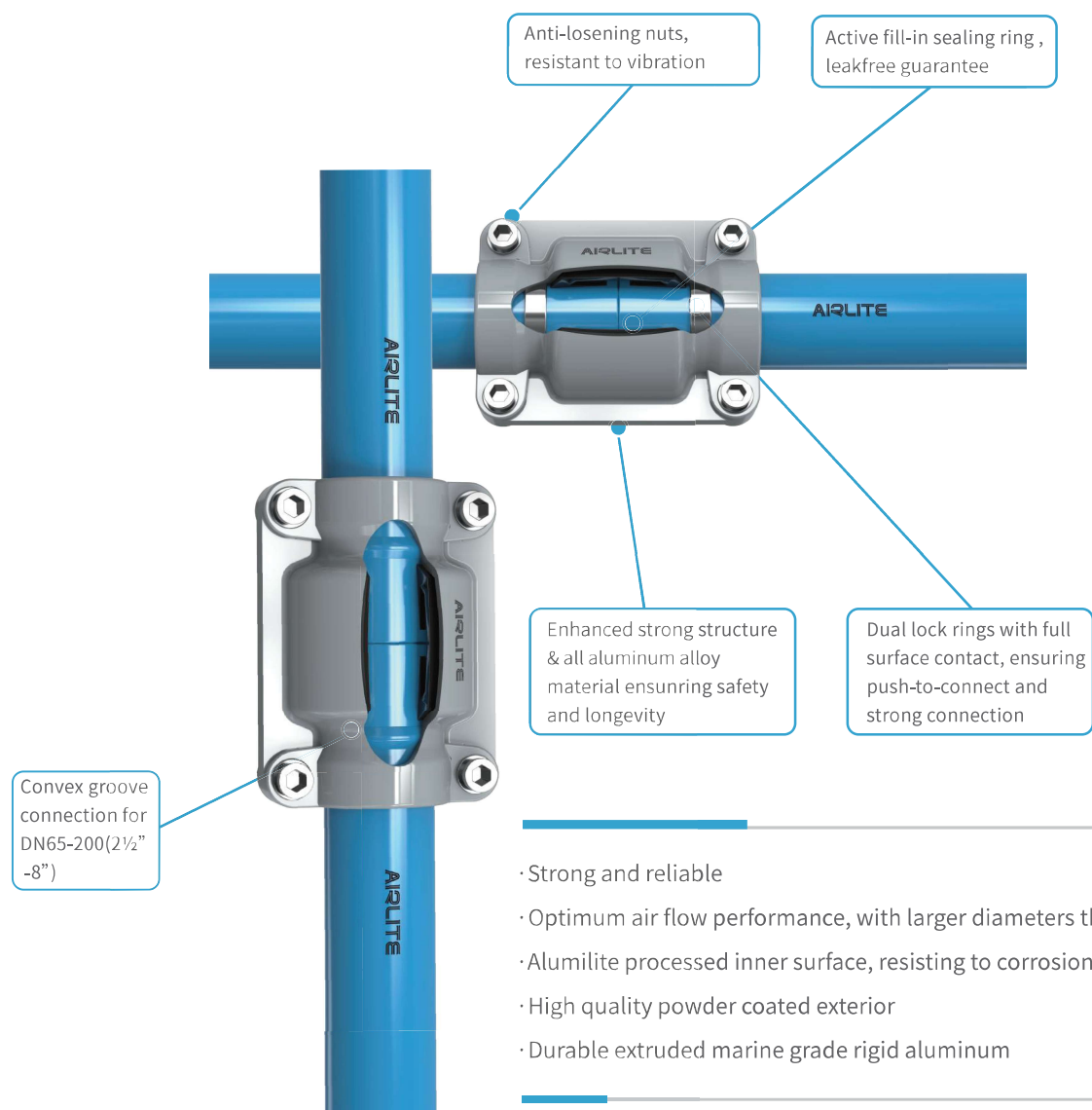
Compared with traditional options and others' aluminum fittings, AirLite air piping system improved with new advanced design.

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## AirLite Improved Features

1. Dual C lock ring with full-contact grip guarantees strong connection;
2. Anti-loosen bolts guarantees resistant to any vibration;
3. Reinforced rib design makes the fittings extremely reliable;
4. Raised portion design makes the quick drop better connection and moisture-free flow;
5. Larger inner diameters optimize better airflow;
6. Unique seal ring ensures better sealing with zero leaks;

## Products Features



# Customer Reference

Airlite serves customers widely in different industries, ranges from Foods, Machinery, Automatic, Electronic, Packaging, Auto Parts, Textile, Rail Transit, Beverage, Tobacco, Building Materials, Aerospace, Daily Chemicals, Household Furniture and Appliances.





### General Technical Specifications:

Max. working pressure: 16 Bar  
Working Temperature: -20°C, +80°C  
Clean and air source ( ISO8573-1certified ) quality

### Compatible Fluids:

-Compressed air  
-Vacuum  
-Inert Gas

### Fire Resistance:

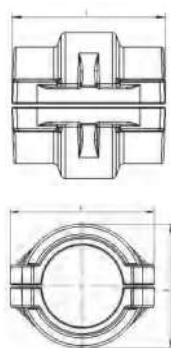
The system does not stroke or propagate any fires  
Extruded Aluminium alloy: 6063 T5  
Optimum flow performance  
Lightweight  
High quality powder coated exterior

ON  
OFF  
2 1/2" BALL VALVES



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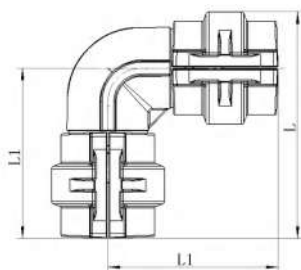
## CONNECTORS



### Pipe to Pipe Connector

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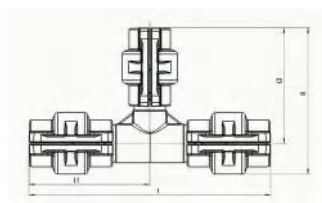
Specs	Code	L	A	B
DN20	ALS200000	61	50	41
DN25	ALS250000	63	56	47
DN40	ALS400000	70	79	66
DN50	ALS500000	73	88	77
DN65	ALS650000	94	118	100
DN80	ALS800000	96	136	117
DN100	ALS1B0000	96	163	141
DN150	ALS1W0000	110	214.5	189
DN200	ALS2B0000	110	214.5	189



### 90° Elbow

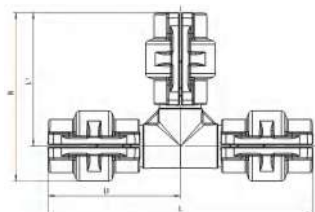
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Specs	Code	L	L1
DN20	ALE200001	105	84
DN25	ALE250001	116	92
DN40	ALE400001	139	106
DN50	ALE500001	156	117
DN65	ALE650001	208	151
DN80	ALE800001	231	164.5
DN100	ALE1B0001	271	189
DN150	ALE1W0001	342.5	248
DN200	ALE2B0001	342.5	248



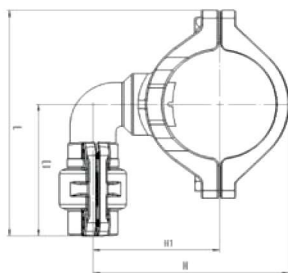
## Reducing Tee

Specs	Code	L	H
25x20/3/4"	ALT252001	181	114
40x25/1"	ALT402501	213	137
40x20/3/4"	ALT402001	213	131
50x40/1 1/2"	ALT504001	226	151
50x25/1"	ALT502501	226	144
65x40/1 1/2"	ALT654001	297	184
65x50/2"	ALT655001	297	185
80x65/2 1/2"	ALT806501	319	224
80x50/2"	ALT805001	319	201
100x65/2 1/2"	ALT1B6501	354	251
100x80/3"	ALT1B8001	354	251
150x80/3"	ALT1W8001	466	320.5
150x100/4"	ALT1W1B01	466	320
200x150	ALT2B1W01	466	320.5
200x100	ALT2B1B01	466	320



## Equal Tee

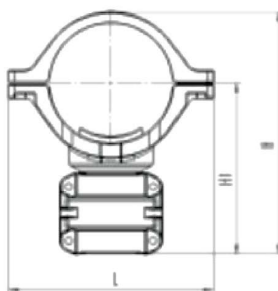
Specs	Code
DN20	ALT200001
DN25	ALT250001
DN40	ALT400001
DN50	ALT500001
DN65	ALT650001
DN80	ALT800001
DN100	ALT1B0001
DN150	ALT1W0001



## Quick Drop

mm

Specs	Code
25X20	ALQ252001
40X20	ALQ402001
40X25	ALQ402501
50X20	ALQ502001
50X25	ALQ502501
65X20	ALQ652001
65X25	ALQ652501
80X25	ALQ802501
80X20	ALQ802001



## Quick Drop Direct

mm

Specs	Code
DN80-40	ALQ804001
DN100-50	ALQ1B2501
DN100-40	ALQ1B4001
DN150x50	ALQ1W4001
DN150x40	ALQ1W5001
DN200x50	ALQ2B2501
DN200x40	ALQ2B4001

## Quick Drop Female Threaded\*-Direct

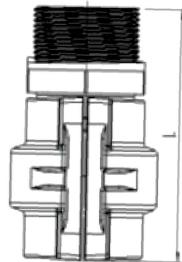
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Specs	Code
DN40x1/2"	ALQ4015F1
DN40x3/4"	ALQ4020F1
DN50x1/2"	ALQ5015F1
DN50x3/4"	ALQ5020F1
DN65x1/2"	ALQ6515F1
DN65x3/4"	ALQ6520F1

\* All threads are available in BSP & NPT standard.

## Male Threaded\* Adapter

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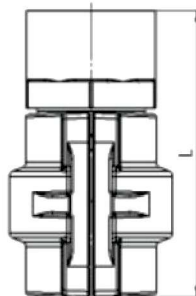
Specs	Code	L
DN20-3/4"	ALA2020M1	98
DN20-1/2"	ALA2015M1	97
DN25-1"	ALA2525M1	104
DN25-3/4"	ALA2520M1	103
DN25-1/2"	ALA2515M1	103
DN40-1 1/2"	ALA4040M1	109
DN40-1 1/4"	ALA4032M1	108
DN50-2"	ALA5050M1	118
DN65-2 1/2"	ALA6565M1	142
DN80-3"	ALA8080M1	142

\* All threads are available in BSP & NPT standard.



## Female Threaded\* Adapter

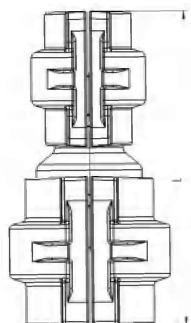
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Specs	Code	L
DN20-3/4"	ALA2020F1	98
DN20-1/2"	ALA2015F1	97
DN25-1"	ALA2525F1	104
DN25-3/4"	ALA2520F1	103
DN25-1/2"	ALA2515F1	103
DN40-1 1/2"	ALA4040F1	109
DN40-1 1/4"	ALA4032F1	108
DN50-2"	ALA5050F1	118
DN65-2 1/2"	ALA6565F1	142
DN80-3"	ALA8080F1	142

\* All threads are available in BSP & NPT standard.

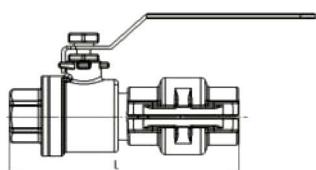
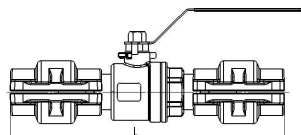
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## Reducing Connector

mm

Specs	Code	L
DN25x20	ALR252001	135
DN40x25	ALR402501	147
DN40x20	ALR402001	144
DN50x40	ALR504001	160
DN50x25	ALR502501	159
DN65x40	ALR654001	189
DN65x50	ALR655001	190
DN80x50	ALR805001	192
DN80x65	ALR806501	214
DN100x65	ALR1B6501	219
DN100x80	ALR1B8001	219
DN150x80	ALR1W8001	268
DN150x100	ALR1W1B01	269



## Aluminum Valve

mm

Specs	Code	L
DN20	ALV202001	182
DN25	ALV252501	187
DN20x1/2"Female	ALV2015F1	115
DN20x3/4"Female	ALV2020F1	
DN25x1/2"Female	ALV2515F1	129
DN40	ALV404001	
DN40x1 1/2"Female	ALV4040F1	
DN40x1 1/2"Male	A4040W 11	
DN50	ALV505001	
DN50x2"Female	ALV5050F1	
DN50x2"Male	ALV5050M1	



## Flange Connector

mm



Flange size	Code	Bolt size	Bolt QTY
65/2½"	ALL650001	M16	4
80/3"	ALL800001	M16	8
100/4"	ALL1B0001	M16	8
150/6"	ALL1W0001	M20	8
200/8"	ALL2B0001	M20	8

## Manifolds

mm



Code	Specs	Ports
Q140SM	1/4"	One
Q1SM2A	1/4"	Two
Q1SM3A	1/4"	Three
Q1SM4A	1/4"	Four

## Plastic Pipe Fix Clip

mm



Specs	Suits for DN
C2000P1	20
C2500P1	25
C4000P1	40
C5000P1	50
C6500P1	65
C8000P1	80

## Drawing Ruler

mm



Code	Suits for DN
G52050	20-50

## TOOLS



### Hole Saw Bit

Code	Suits for hole size
G72000	20
G72500	25
G74000	40
G75000	50



### Deburrer

mm

Code	Suits for DN
G22050 00	20-50



### Deburrer

mm

Code	Suits for DN
G2202B 00	All



## Notching Machine

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Code	Suits for DN
G3652BS 00	≥DN65



## Pipe Cutter

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Code	Suits for DN
G12050 00	20-50
G1651B00	65-100

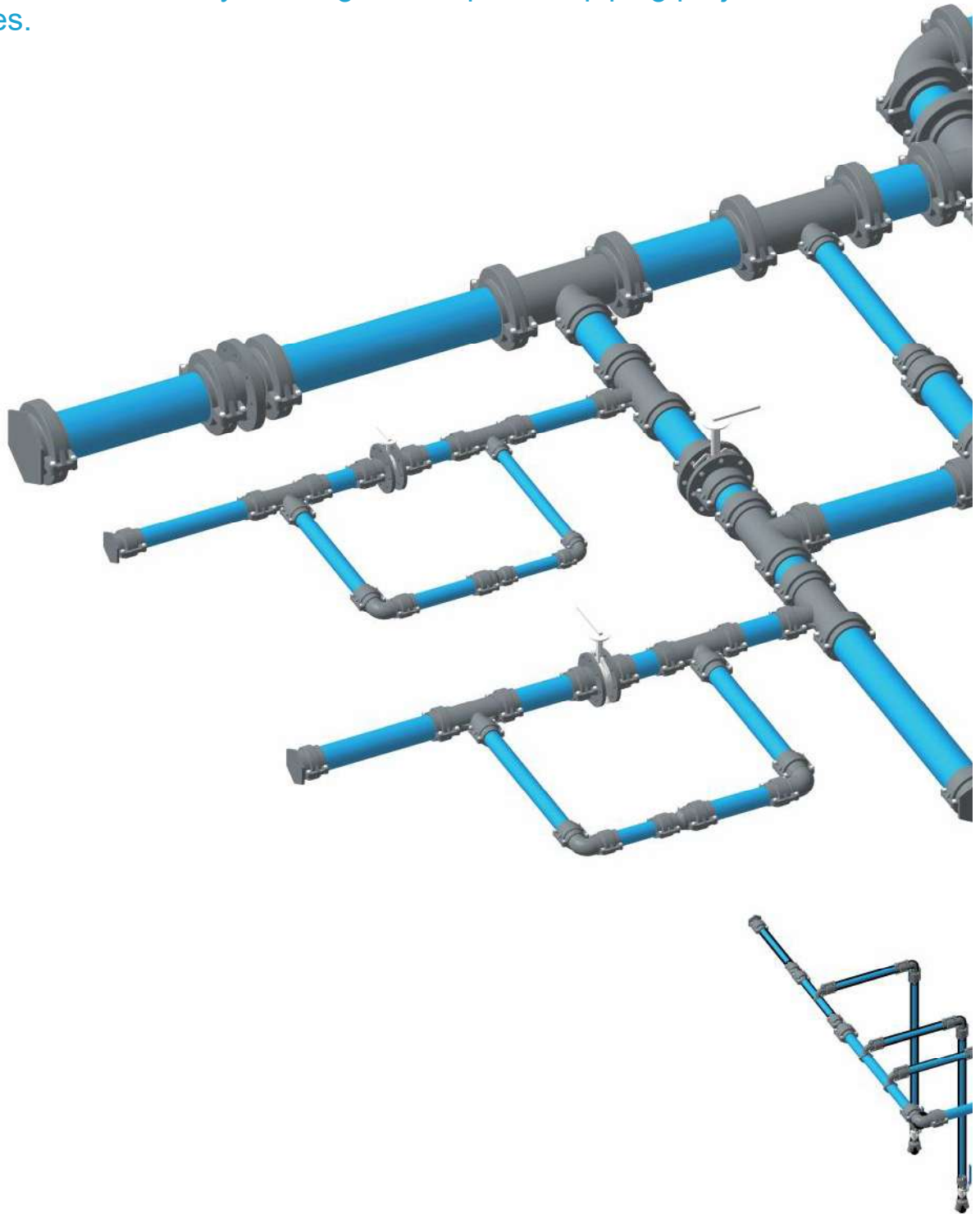


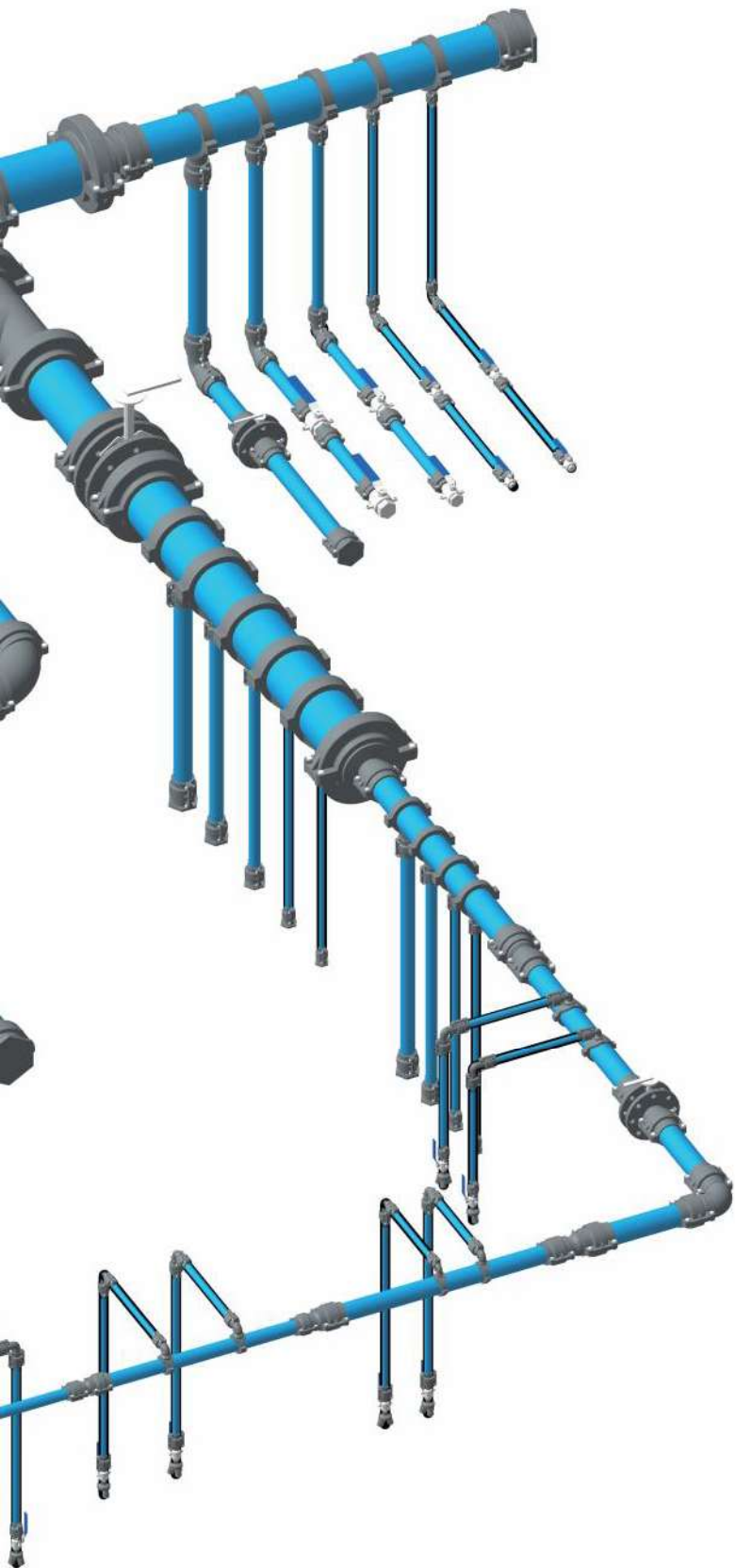
## Demo case

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## BIM Design

At AirLite, all connectors are available with 3D files to support revit BIM design system, which allows you design a complicated piping project within minutes.





## Notes

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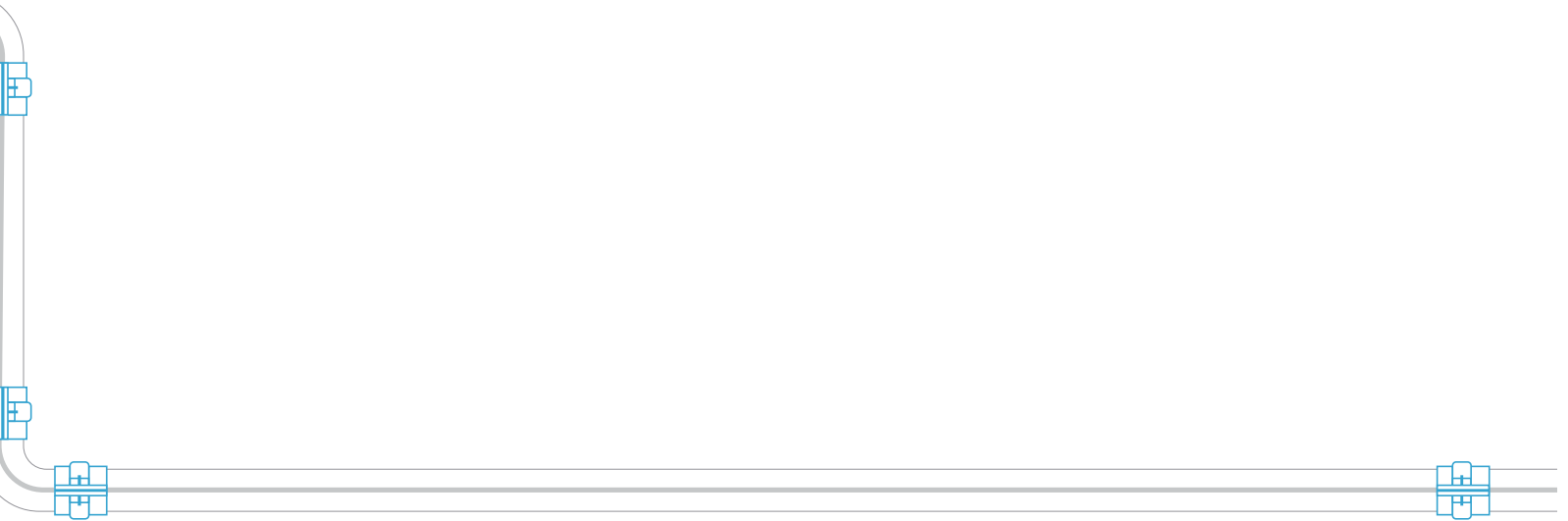
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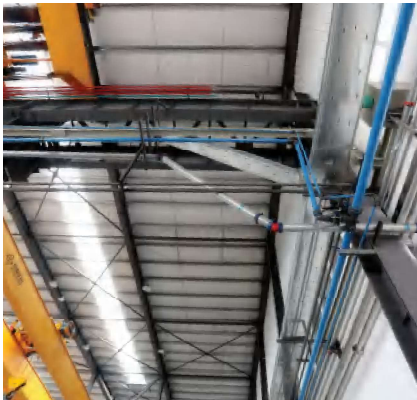




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## Projects



## Service Scope:

Based on its own R&D engineers team and manufacturing base, AirLite provides the one-stop solution of compressed air piping system, ranges from BIM design, high quality products supply, installation service and 15 years guarantee after-sales service. AirLite always bear customers in mind to supply the best service.

## Contact:

AirLite

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Tel: +86-571-85800281

ZHEJIANG QILU TECHNOLOGY CO., LTD.



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**AIRLITE**

Compressed Air Piping System

**ZHEJIANG QILU TECHNOLOGY CO., LTD.**

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