

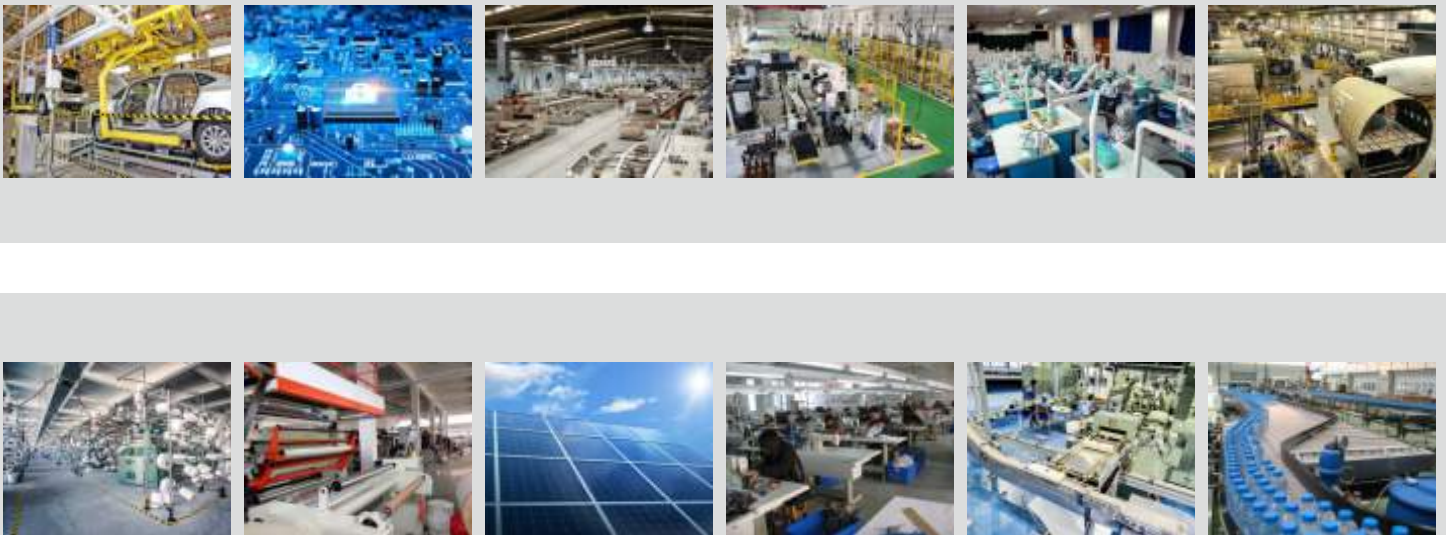


**PROFESSIONAL SUPPLIER OF COMPREHENSIVE PLAN
FOR THE COMPRESSED AIR PIPE SYSTEM**

Applications

FSTpipe Applications

◎Automotive ◎Electronics ◎Furniture ◎Energy ◎Plastic ◎Tobacco ◎Food ◎Others



Certifications



Advantages & Benefits



- **Cost & Energy Saving**

No maintenance and reusable for system moving.
Smooth inner surface for lower pressure drops and energy saving.



- **Quick installation**

Lighter & modular design for fast installation and easy expansion.



- **Perfect Compatibility**

Commonly used in all brands of air compressors and Pneumatic post-processing apparatus and device elements



- **Clean and Hygienic**

Can be used in Food hygiene, medical and pharmaceutical fields



- **Safety**

Strong and durable, flame retardant and shock resistant.
Light weight design for more safe working conditions.



- **Service**

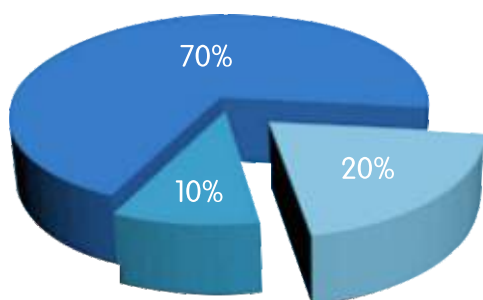
Manufacturing, solutions providing and comprehensive training
10 Years guarantee



Compared with Traditional Pipes

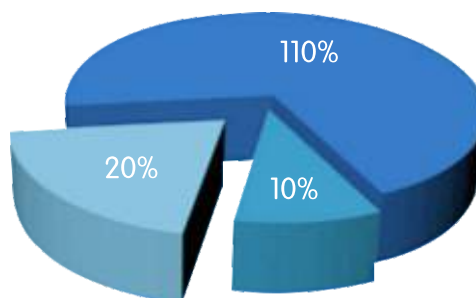
Compared with Carbon and Stainless Steel Pipe			
	Carbon Pipe	Stainless Steel Pipe	FST Aluminum Pipe
Installation Duration	Long	Long	No welding required, more than 60% faster than traditional piping
Modification	Difficult	Difficult	Easy-Modular Design
Change Time	Long	Long	Completing adding a branch in 10 mins
Internal Roughness	1.9μm	1μm	Extrusion, smooth inner wall
Pressure Loss	High	Low	Low / Low Roughness & Pressure Loss
Leakage	5%-20%	0%	0%-O-ring for Sealing
Corrosion after Prolonged Uses	Serious	A Little	None / Corrosion-proof Treatment
Impact on the Quality of Compressed Air	Serious	A Little	No Damage to Air Service Equipment
Initial Investment Cost	Low	High	Middle
Operating Cost	Very High	High	Low

FST pipe



- Power Consumption 70%
- First Investment 20%
- Installation and Operation Cost 10%

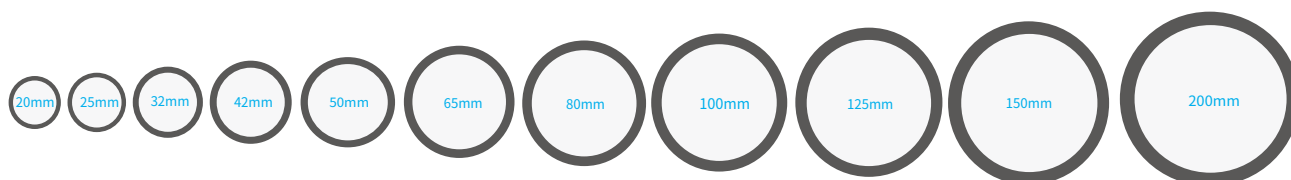
Traditional Pipe



- Power Consumption 110%
- First Investment Cost 10%
- Installation and Operation Cost 20%

Products and Features

	FSTpipe	Dn20 3/4"	DN25 1"	DN32 1" 1/4"	DN42 1" 1/2"	DN50 2"	DN65 2" 1/2"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"
	Aluminum Pipe(3m/6m)	•	•	•	•	•	•	•	•	•	•	•
	Pipe Clip and Gasket	•	•	•	•	•	•	•	•	•	•	•
	Male Threaded Nipple Socket	•	•	•	•	•	•	•				
	Female Threaded Nipple Socket	•	•	•	•	•	•	•	•	•	•	•
	Equal Pipe to Pipe Connector	•	•	•	•	•	•	•	•	•	•	•
	Reducing Pipe to Pipe Connector	•	•	•	•	•	•	•	•	•	•	•
	90° Elbow	•	•	•	•	•	•	•	•	•	•	•
	Equal Aluminum Tee	•	•	•	•	•	•	•	•	•	•	•
	Reducing Aluminum Tee	•	•	•	•	•	•	•	•	•	•	•
	Quick Drop	•	•	•	•	•	•	•	•			
	Quick Drop(Female Thread)	•	•	•	•	•	•	•	•	•	•	•
	SS Shockproof Flange					•	•	•	•	•	•	•
	Valve	•	•	•	•	•	•	•	•	•	•	•
	End Cap	•	•	•	•	•	•	•	•	•	•	•
	Circular Aluminum Flange					•	•	•	•	•	•	•



In order to maximize the return for customers' investment and ensure the minimum pressure drop, we provide various pipe diameters for selecting.

Pipe Selection

According to the required flow and pressure, to choose the most suitable FST pipe diameter for your pipe system.

A closed annular pipeline system with a pressure set at 8bar and a pressure drop of 0.5bar in the table below.

All are calculated according to the flow rate of 12m³/s, the standard flow (m³/min) = $\pi r^2 v$,

and the working flow (*m³/min) = standard flow * (working pressure + 1bar) * 1.08

Flow	Length(m)										AC
m3/min	50m	100m	150m	300m	500m	750m	1000m	1300m	1600m	2000m	Kw
0.17	20	20	20	20	20	20	20	20	20	20	1
0.50	20	20	20	20	20	25	25	25	25	32	3
0.83	20	20	20	25	25	32	32	32	32	32	5.5
1.17	20	20	25	25	32	32	32	32	42	42	7.5
1.67	20	25	25	32	32	32	42	42	42	42	11
2.50	25	32	32	32	42	42	42	50	50	50	15
4.17	32	32	42	42	50	50	50	50	65	65	25
5.83	32	42	42	50	50	50	65	65	65	65	30
8.33	42	42	50	50	65	65	65	65	80	80	45
12.50	42	50	50	65	65	80	80	80	80	80	75
16.67	50	50	65	65	80	80	80	80	100	100	90
20.83	50	65	65	80	80	80	100	100	100	100	110
25.00	50	65	65	80	80	100	100	100	100	125	132
29.17	65	65	80	80	100	100	100	100	125	125	160
33.33	65	65	80	80	100	100	100	125	125	125	200
41.67	65	80	80	100	100	100	125	125	125	125	250
50.00	65	80	80	100	100	125	125	125	125	125	315
58.33	80	80	100	100	125	125	125	125	125	150	355
66.67	80	80	100	100	125	125	125	125	150	150	400
75.00	80	100	100	125	125	125	125	150	150	200	450
83.33	80	100	100	125	125	125	150	150	200	200	500
91.67	80	100	100	125	125	125	150	150	200	200	550
100.00	100	100	100	125	125	150	150	200	200	200	600
108.33	100	100	125	125	125	150	200	200	200	200	650
120.00	100	100	125	125	150	150	200	200	200	200	700
133.33	100	125	125	125	150	200	200	200	200	200	800
141.67	100	125	125	125	150	200	200	200	200	200	850

You can contact our technical engineering staff to select the appropriate pipe diameter for your piping system and provide corresponding optimization.

Technical Specifications

Material: Ductility aluminum alloy 6063(GB/T 4437.1-2015), density 2.7 Kg/dm³(GB/T 3190-2008)

Process: Externally coated with epoxy resin, internally anodized

Process according to ROHS Standard

Max. Working pressure & Temperature: 15 bar(-20c-+80c), 16bar(-20C-+45C)

Vacuum:0.13bar(absolute pressure)

Suitable fluids: compressed air, oil-free or lubricated, wet, vacuum, inert gases

Fireproof and suitable for outdoor applications

Corrosion resistance: Passing 500H neutral salt spray test

Pressure resistance: The inspection complies with GB/T 241-2007, Can withstand 16kpa air pressure for a long time, keep it free from deformation

FST series certification

TS certification

All connectors are BSP

Cases & Customers

FSTpipe Installations



FSTpipe Customers



SAFE QUICK SAVING PURE



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