

# Junxing pipe for floor heating

Tianjin Junxing Pipe Group Co., Ltd.



China Well-known  
Trademark

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*Junxing pipe for better life!*

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# INTRODUCTION OF JUNXING

## JUNXING PIPE GROUP CO., LTD.

Junxing Pipe Group Co., Ltd is a complex high technology enterprise which integrates research and development of new products, manufacture of pipes and fittings, municipal and mechanical equipments, installation of petrochemical pipes and fountain lighting, import and export trade and marketing. Junxing is vice president of China Plastics Processing Industry Association, president of Shandong chamber of commerce in Tian Jin, vice president of Tianjin building materials association and plastic industry association. Junxing is one of the most famous pipe manufacturing enterprises in China; it plays a leading role in pipe industry in Tian Jin.

In 2009, Junxing was recognized as Famous Brand of China by State Administration for Industry and Commerce. In 2010, it came into being top 20 brands in plastic pipe industry.

Furth more, Junxing obtains many honors, National Inspection-exemption Products, famous brand in Tian Jin, new and high-tech enterprise in Tian Jin, top 10 brands of floor heating pipes in China.

Junxing Pipe Group is located in Fu Yuan Economic Development Area in Wu Qing District, its registered capital is 3200million, processes production plant 76thousand square meters, over 200 sets of equipments for production, inspection and experiment. We produce more than 20 series of pipes and fittings made of PP-R, PB, PE, PE-RT, PE-X, HDPE, RDPAP, which are applied in water supply and drainage, heat supply and transportation of gas. Our company based on domestic market, and develop broad sales network all over the world.





## DEVELOPMENT EFFORTS

According to standard, our company formulates strict test regulations to ensure that products passing rate of 100%. in the Product Check Centre, We have over 20 test instruments which have reached the leading domestic level.

## PRODUCTION >>>

Jun Xing has powerful manufacture capacity, owns advanced manufacturing equipments and techniques, automatic production control system, and excellent test methods and equipments, all these make it possible to provide high-quality pipes and fittings.



# GLOBAL PARTNER >>>

Junxing is based on domestic market, developing sales network all over the world. we have already exported to Australia, Canada, New Zealand, Nigeria, Pakistan, Russia, UK, USA, etc.

Over the decades, Junxing has come to be acknowledged as a reliable partner, Sincerely hope we can establish win-win cooperation in near future.

Junxing pipe for better life!



## ENTERPRISE CULTURE:

### Company aims:

Honesty and trustworthiness, good quality and customer satisfaction.

### Management philosophy:

Innovation of management, technology and products.

### Strategic objectives:

Constant pursuits, innovative development.



# PE-X PIPE >>>

Junxing PEX is a cross-linked polyethylene (PEX) product. Cross-linked polyethylene (PEX) tubing provides excellent chemical and corrosion resistance, making it ideally suited for harsh water conditions or aggressive installation environment. Junxing PEX pipe--PEXa pipe and PEXb pipe.

## Applications:

- Cold and hot water system for buildings.
- Air-condition system and sewage treatment system.
- Concentration heating system in the residential houses.
- Floor radiant heating system and snow melting system of airport and traffic network.



## Physical Performance

Item	Requirements	Test parameter				
		Hydrostatic tension		Test temperature	time	
Hydrostatic resistance	No leakage, no crack	12.0		2.	1	
		4.8		95	1	
		4.7		95	22	
		4.6		95	165	
		4.4		95	1000	
Thermal stability	No leakage, no crack	2.5		110	8760	
Longitudinal retraction rate	≤3%	parameter			120°C	
		Temperature				
		Time				
		en≤8mm			1h	
		8mm<en≤16mm			2h	
		en>16mm			4h	
5000 times thermal cycle	No leakage, no crack	Test quantity				
		Temperature of cold water	Temperature of hot water	System pressure	Time/cycle of cold water	Time/cycle of hot water
		20°C	90°C	0.6Mpa	15min	15min

Degree of crosslink PE-Xa≥70% PE-Xb≥65%

# PE-X PIPE >>>

## Features:

- Higher chemical corrosion resistance and environmental stress cracking i.e. more kinds of chemical liquid can be conveyed.
- In conformity with potable water hygienic standard, the pipe contains non-toxic components, not being rotten and breeding bacteria.
- Having smoothness both inner and outer walls, the pipe have featured its smallest flow resistance and low noise.
- Broad temperature scope, long usage life up to 50 years.
- Hardness and elasticity, higher inner pressure strength.
- With low surface tension, it can effectively prevent scale.
- Good bending property, easy to adjust while installation.
- Light weight, convenient for installation and transportation.



## Specification:

- Standard: GB/T18992-2003, ISO15875, DIN4726
- Color: Natural white
- Length: 4m/pc, 6m/pc, 50 to 500 meters/roll or as per requested

Dn (mm)	Wall Thickness (mm)		
	S5	S4	S3.2
16	1.8	2.0	2.2
20	1.9/2.0	2.3	2.8
25	2.3	2.8	3.5
32	2.9	3.6	4.4

# PE-RT PIPE >>>

PE-RT pipes produced by the polyethylene of raw material, transparent for all, is the most common under floor heating pipe at present. Pipes surface is smooth, it can reduce the blocking phenomena by the residuum in the water: good flexibility, easy to install and carry: resistance to low temperature and frost crack, service life up to 50 years.



## Features:

- Good thermal stability and long-term pressure resistance.
- In conformity with potable water hygienic standard.
- Strong impact resistance.
- Good flexibility.
- Easy to be connected (hot-melt connection or mechanical connection).
- Good thermal conductivity.
- Good processing property.
- Can be recycled, good to the environment.

## Choice of S

Design pressure	Pipe Series S				
	20°C 50years $\sigma_s = 7.36\text{MPa}$	S1 $\sigma_s = 3.06\text{MPa}$	S2 $\sigma_s = 2.15\text{MPa}$	S4 $\sigma_s = 3.34\text{MPa}$	S5 $\sigma_s = 2.02\text{MPa}$
0.4	6.3	6.3	5	6.3	5
0.6	6.3	5	3.2	5	3.2
0.8	6.3	3.2	2.5	4	2.5
1.0	6.3	2.5	--	3.2	--

# PE-RT PIPE >>>



## Applications:

- Heating system pipelines for floor, wall, roof and street.
- Industrial and residential water system, water supply system of geothermal water.
- Pipeline system of pure water, mineral water, drinking water and sanitary water.
- Central air-condition pipeline system.



## Specification:

- Standard: GB/T28799, ISO22391, DIN4721, GOST52134
- Color: Natural white, red, orange or as per requested
- Length: 4m/pc, 6m/pc, 50 to 500 meters/roll or as per requested

Dn (mm)	Wall Thickness (mm)		
	S5	S4	S3.2
16	1.8	2.0	2.2
20	1.9/2.0	2.3	2.8
25	2.3	2.8	3.5
32	2.9	3.6	4.4

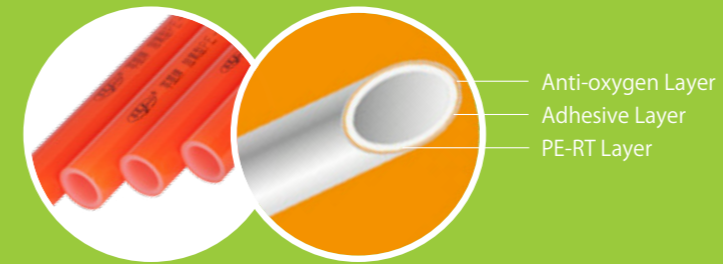


WE ADOPT 100% ORIGINAL IMPORTED RAW MATERIAL,  
USE BATTENFELD HIGH SPEED PRODUCTION LINE TO PROVIDE  
HIGH-QUALITY PRODUCTS!



## PE-RT/EVOH PIPE >>>

Anti-oxygen layer can effectively prevent oxygen from entering piping system, protecting PE-RT parts in system for rapid corrosion, suppressing bacterium and algae virology growth in the pipe and ensuring water quality freshly and cleanly.



### Specification:

- Standard: GB/T28799, ISO22391, DIN4721, GOST52134
- Color: red, orange or as per requested
- Length: 50 to 500 meters/roll or as per requested

### Technical Requirements

- Excellent thermal stability and heat-resistance quality, it can be used in floor radiant heating system and hot water system.
- Meet the needs of sanitary drinking water, free of stains and scales, excellent hydraulic pressure resistant performance.
- The excellent flexibility makes it convenient when paving.
- Convenient in connection (hot welding connection, mechanical connection)
- Good ability in heat dissipation and thermal conductivity

### Choice of S

Design pressure	Pipe Series S				
	20°C 50years $\sigma_s = 7.36\text{MPa}$	S1 $\sigma_s = 3.06\text{MPa}$	S2 $\sigma_s = 2.15\text{MPa}$	S4 $\sigma_s = 3.34\text{MPa}$	S5 $\sigma_s = 2.02\text{MPa}$
0.4	6.3	6.3	5	6.3	5
0.6	6.3	5	3.2	5	3.2
0.8	6.3	3.2	2.5	4	2.5
1.0	6.3	2.5	--	3.2	--

# PE-RT FITTINGS >>>



## EQUAL COUPLING

Size: dn20 / dn25 / dn32



## REDUCING COUPLING

Size: 25x20 / 32x20 / 32x25



## REDUCING 90 ELDOW

Size: 25x20 / 32x20 / 32x25



## EQUAL 90 ELDOW

Size: dn20 / dn25 / dn32



## 45 ELDOW

Size: dn20 / dn25 / dn32



## REDUCING TEE

Size: 25x20 / 32x20 / 32x25



## EQUAL TEE

Size: dn20 / dn25 / dn32



## REDUCING TEE

Size: 20x25x20 / 20x32x20 / 25x32x25



# PE-RT FITTINGS >>>

## END CAP

Size: dn20 / dn25 / dn32



## OVER BEND

Size: dn20 / dn25 / dn32



## MALE THREADED COUPLING

Size: dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4" / dn32x3/4" / dn32x1"



## FEMALE THREADED COUPLING

Size: dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4" / dn32x3/4" / dn32x1"



## MALE THREADED ELBOW

Size: dn20x1/2" / dn25x1/2" / dn25x3/4" / dn32x3/4" / dn32x1"



## FEMALE THREADED ELBOW

Size: dn20x1/2" / dn25x1/2" / dn25x3/4" / dn32x3/4" / dn32x1"



## FEMALE THREADED TEE

Size: dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4" / dn32x3/4" / dn32x1"



## FEMALE THREADED UNION

Size: dn20x1/2" / dn25x3/4" / dn32x1"



## MALE THREADED UNION

Size: dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4" / dn25x1" / dn32x1"



## DOUBLE PLASTIC END UNION

Size: dn20 / dn25 / dn32



## SINGLE MALE BRASS BALL VALVE

Size: dn20x1/2" / dn25x3/4" / dn32x1"



## SINGLE FEMALE BRASS BALL VALVE

Size: dn20x1/2" / dn25x3/4" / dn32x1"



## HOT FUSION BRASS BALL VALVE

Size: dn20 / dn25 / dn32



## HOT FUSION BRASS STOP VALVE

Size: dn20x1/2" / dn25x3/4" / dn32x1"



**WE PRODUCE THIS PIPE WITH 100% BASELL RAW MATERIAL FOR HIGH-QUALITY PRODUCTS,**

WHICH CAN BE USED FOR UNDERGROUND FLOOR HEATING SYSTEM AND AS INTERIOR WATER DISTRIBUTION PIPING.



## PB PIPE >>>

PB pipe is made of polybutene (C4H8). There is no pollution when processing and being used. Because of its security, intensity, and flexibility, it is regarded as "gold in plastic series".

Jun Xing's PB pipes and fittings are made of Basel PB, adopt Germany Barton product line. All products are up to the standard.



### Applications:

- Cold and hot water supply
- Heating system including flooring heating, wall heating and air-condition system
- Industrial liquid transportation
- Solar water heating system
- Hot spring pipe
- Snow removing pipe
- Agricultural irrigation and garden sprinkle
- Fire-fighting automatic spray system

### Specification:

- Standard: GB/T19473, ISO15876, DIN4726
- Color: grey for water pipe, ivory white for heating pipe
- Length: 4m/pc, 100m/roll or as request

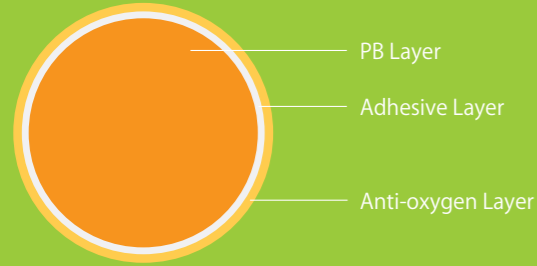
Dn (mm)	Wall Thickness (mm)		
	S5	S4	S3.2
16	1.8	2.0	2.2
20	1.9/2.0	2.3	2.8
25	2.3	2.8	3.5
32	2.9	3.6	4.4
40	3.7	4.5	5.5
50	4.6	5.6	6.9

### Features:

- Light and soft, easy to handle and transport
- Sanitary and non-toxic, free of stains and scales
- Smooth inner wall surface, reducing the pressure loss and increasing the flow
- Excellent ability in resistance of ultraviolet radiation and chemical corrosion
- High hydrostatic intensity and hydrostatic strength
- Adopting hot welding connection for excellent welding quality of pipes and fittings, leakage effectively prevented
- convenient for maintenance
- Energy conservation

# PB/EVOH PIPE >>>

PB anti-oxygen permeated pipes are produced through composition of plastic pipe and EVOH of polymer. This kind of pipes can effectively prevent oxygen from entering piping system, protecting metal parts in system for rapid corrosion, suppressing bacterium and algae virology growth in the pipe and ensuring water quality freshly and cleanly.



### Specification:

- Standard: GB/T19473, ISO15876, DIN4726
- Color: ivory white for heating pipe
- Length: 4m/pc, 100m/roll or as request

### Comparison Among Different Pipes

Type	oxygen permeability	
	Mg/1.day	Mg/m <sup>2</sup> .day. atm
PEX	3.2	8.7
PP	6.5	17.7
PB	>6.5	>17.7
PB/EVOH	0.02	0.05
Standard: DIN4726to4729	<0.1	<0.32

### Applications:

- Cold and hot water supply
- Heating system including flooring heating, wall heating and air-condition system
- Industrial liquid transportation
- Snow removing pipe
- Solar water heating system
- Agricultural irrigation and garden sprinkle
- Hot spring pipe
- Fire-fighting automatic spray system

# PB FITTINGS >>>



<b>EQUAL COUPLING</b> Size: dn20 / dn25 / dn32 	<b>REDUCING COUPLING</b> Size: 25x20 / 32x20 / 32x25 	<b>REDUCING 90 ELDOW</b> Size: 25x20 / 32x20 / 32x25 	<b>EQUAL 90 ELDOW</b> Size: dn20 / dn25 / dn32 
<b>END CAP</b> Size: dn20 / dn25 / dn32 	<b>OVER BEND</b> Size: dn20 / dn25 / dn32 	<b>45 ELDOW</b> Size: dn20 / dn25 / dn32 	<b>REDUCING TEE</b> Size: dn20 / dn25 / dn32 

# PB FITTINGS >>>

## REDUCING TEE

Size: dn20 / dn25 / dn32



## MALE THREADED COUPLING

Size: dn20x1/2" / dn25x1/2"  
/ dn25x3/4" / dn32x1"



## FEMALE THREADED COUPLING

Size: dn20x1/2" / dn25x1/2"  
/ dn25x3/4" / dn32x3/4" /  
dn32x1"



## MALE THREADED ELBOW

Size: dn20x1/2" / dn25x1/2"  
/ dn25x3/4" / dn32x3/4" /  
dn32x1"



## FEMALE THREADED ELBOW

Size: dn20x1/2" / dn25x1/2"  
/ dn25x3/4" / dn32x3/4" /  
dn32x1"



## MALE THREADED TEE

Size: dn20x1/2" / dn25x1/2"  
/ dn25x3/4"



## FEMALE THREADED TEE

Size: dn20x1/2" / dn25x1/2"  
/ dn25x3/4" / dn32x3/4" /  
dn32x1"



## MALE THREADED UNION

Size: dn20x1/2" / dn20x3/4"  
/ dn25x1/2" / dn25x3/4" /  
dn25x1" / dn32x1"



## FEMALE THREADED UNION

Size: dn20x1/2" / dn25x3/4"  
/ dn32x1"



**WE PRODUCE FITTINGS BY IMPORTED MATERIAL,  
AND HAS A NICE  
APPEARANCE WITH EXACT MOULD SIZES.**

It is connected by Hot-fusion method, which will be convenient for the construction, ensures the easily repaired and safety of the whole pipe system.



## PERT-AL-PERT PIPE >>>

The multilayer pipes PERT/AL/PERT are composite pipes that are produced by the overlapping method. They are composed of an inner and outer layer of PERT, that are bonded by a special glue to the intermediate layer of aluminum. By that way, a perfect oxygen barrier is accomplished, that ensures their perfect connection.

They are characterized as pipes of the century, because they combine the advantages of metal pipes (small linear expansion and high mechanical strength) with the advantages of plastic pipes (flexibility, without formation of salts inside the pipe, resistance to electro corrosion, low noise level, fast and easy installation).



## PERT-AL-PERT PIPE >>>

### Applications:

- Cold and hot water distribution;
- Solar system, air-conditioning and refrigeration system;
- Under floor heating PEX systems;
- Medical, foodstuff and chemical industries PEX pipe systems;
- Gas and air distribution.

### Aluminum-plastic composite pipe RPAP5 mechanical properties table

Coefficient of thermal conductivity	0.45W/(m.k)
Thermal expansion coefficient	$2.5 \times M(m.k)$
Bending radius	$\geq 5D(D:\text{Tube diameter})$
Working temperature range	-40~+95°C
Work pressure	$\leq 1.25\text{Mpa}$
Penstock radial tension	2300~3270N
Blasting strength	5.5~8Mpa



### Technical Specification

- Standard: CJ/T 159-2006
- Color: white
- Specification: coil pipe: dn16-32, length: 100m/coil / Straight pipe: dn16-dn32 4m/piece / Customized specification also available.

Nominal diameter (dn)	Tolerance	Diameter	enwall thickness	Tolerance	Roundness		Aluminum wall thickness	Tolerance	Outer minimum thickness	Inner wall thickness	
					Coil	Straight				Nominal value	Tolerance
16	+0.30	10.9	2.3	±0.50	≤1.0	≤0.5	0.28	±0.04	0.3	1.4	±0.1
20		14.5	2.5		≤1.2	≤0.6	0.36			1.5	
25		18.5	3.0		≤1.5	≤0.8	0.44			1.7	
32		25.5	3.0		≤2.0	≤1.0	0.60			1.6	

# PRAP5 FITTINGS >>>



## EQUAL COUPLING

Size: dn16 / dn20 / dn25 / dn32



## REDUCING COUPLING

Size: 20x16 / 25x20 / 32x20 / 32x25



## REDUCING 90 ELDOW

Size: 20x16 / 25x20 / 32x20 / 32x25



## EQUAL 90 ELDOW

Size: dn16 / dn20 / dn25 / dn32



## 45 ELDOW

Size: dn16 / dn20 / dn25 / dn32



## REDUCING TEE

Size: 20x16 / 25x20 / 32x20 / 32x25



## EQUAL TEE

Size: dn16 / dn20 / dn25 / dn32



## END CAP

Size: dn16 / dn20 / dn25 / dn32



# PRAP5 FITTINGS >>>

## MALE THREADED COUPLING

Size: dn16x1/2" / dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4" / dn32x3/4" / dn32x1"



## FEMALE THREADED COUPLING

Size: dn16x1/2" / dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4" / dn32x3/4" / dn32x1"



## MALE THREADED ELBOW

Size: dn16x1/2" / dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4" / dn32x3/4" / dn32x1"



## FEMALE THREADED ELBOW

Size: dn16x1/2" / dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4" / dn32x3/4" / dn32x1"



## MALE THREADED TEE

Size: dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4"



## FEMALE THREADED TEE

Size: dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4" / dn32x1/2" / dn32x3/4"



## MALE THREADED UNION

Size: dn16x1/2" / dn20x1/2" / dn20x3/4" / dn25x1/2" / dn25x3/4" / dn32x3/4" / dn32x1"



## FEMALE THREADED UNION

Size: dn16x1/2" / dn20x1/2" / dn25x3/4" / dn32x1"



## DOUBLE PLASTIC END UNION

Size: dn16 / dn20 / dn25 / dn32



## SINGLE MALE BRASS BALL VALVE

Size: dn20x1/2" / dn25x3/4" / dn32x1"

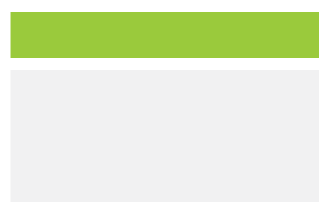


## SINGLE FEMALE BRASS BALL VALVE

Size: dn20x1/2" / dn25x3/4" / dn32x1"

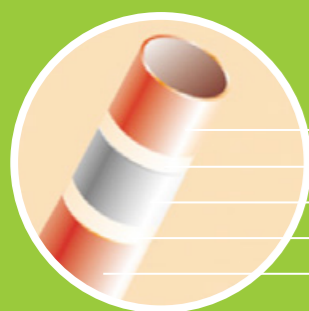


## HOT FUSION BRASS BALL VALVE



# PEX-AL-PEX PIPE >>>

They are composed of an inner and outer layer of PE-Xb, that are bonded by special glue to the intermediate layer of aluminum. ASTM F1335-1998 standard called them "metal pipes with plastic protective layer".



- Cross linking PE layer
- Adhesive layer
- Butt-welding Aluminum layer
- Adhesive layer
- Cross linking PE layer

## Applications:

- Hot water heat supply system
- Domestic boiler pipe for heat supply and water supply
- Bathing water supply system (solar water heater, electric heater, etc)
- Transportation for low pressure liquid of civil use (hot and cold water, drinking water, air-condition, firefighting and fuel gas).

## Technical Specification

- Standard: Q/12WQ5065-2013
- Color: white
- Specification: coil pipe: dn16-32, length: 100m/coil / Straight pipe: dn16-dn32 4m/piece / Customized specification also available.

Nominal diameter (dn)	Tolerance	Diameter	Roundness		Thickness of pipe wall		Thickness of Inner PE layer e.	Thickness of Outer PE layer e.	Thickness of AL layer e.
			Coil	Straight	Minimum	Tolerance			
16	+0.30	12.1	≤1.0	≤0.5	1.7	+0.50	0.9	0.40	0.25
20		15.7	≤1.2	≤0.6	1.9		1.0		0.30
25		19.9	≤1.5	≤0.8	2.3		1.1		0.35
32		25.7	≤2.0	≤1.0	2.9		1.2		0.50

# PEX-AL-PEX PIPE >>>

Comparison between DXPA2 and Overlapping Welding Pipe DXPA2 pipe's aluminum layer is thicker than overlapping welding pipe.

The GTAW welding method makes pipe stronger and the pipe system safer.

## Physical Mechanics Features:

Item	DXPA2	overlapping welding pipe
Long time working temperature	98°C	82°C
Permit working pressure	1.25Mpa	0.86Mpa

Item	technical requirements
coefficient of thermal conductivity W/m.k	0.45
coefficient of thermal expansion M/m.k	2.5×10-5
bend radius D: diameter	≥5D
working temperature °C	-40~+98
working pressure Mpa	1.25
radical pulling force N	2300~2650
burst strength Mpa	4.0~6.0



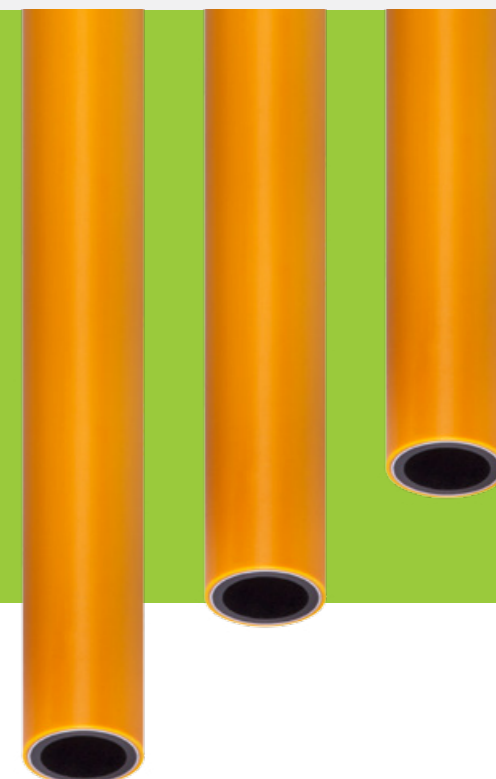
## Pressure resistance of metal pipe and corrosion resistance of plastic pipe are combined together on the pipe,

which make it withstand high working pressure and prevent oxygen and gases from penetrating into the pipe.



## PE-AL-PE PIPE >>>

Multilayer of aluminum plastic composite pipe is welded aluminum band, inner and external layers are all made of polyethylene. Special-purpose hot melting adhesive is used, and extrusion molding method is adopted for composite of pipe. Pressure resistance of metal pipe and corrosion resistance of plastic pipe are combined together on the pipe. The aluminum layer allows PE-AL-PE multilayer composite pipe to withstand high working pressure and prevent oxygen and gas from penetrating into the pipe. They are easily bent, which makes the use of numerous fittings unnecessary.



### Technical date sheet:

Item	technical requirements	
Radical pulling force N	2400-3320	
Burst strength MPa	5.5-8.0	
Bend radius D: Diameter	≥5D	
Minimum average stripping force N	25-35	
working pressure Mpa	1.25	
Hydraulic strength test	70±2°C 2.10±0.05MPa/1H	No break, noleakage, no local expansion
	70±2°C 1.50±0.05MPa/1000H	

### Applications:

- Pipes for gas pipeline system

### Technical Specification

Nominal diameter (dn)	Diameter tolerance	Diameter for reference	Roundness		Thickness of pipe wall		Thickness of Inner PE Layer e.	Thickness of Outer PE Layer e.	Thickness of AL Layer e.	AL Layer Tolerance
			Coil	Straight	Minimun	Tolerance				
16	+0.30	10.9	≤1.0	≤0.5	2.3	+0.5.	1.4	0.30	0.25	±0.40
20		14.5	≤1.2	≤0.6	2.5		1.5		0.30	
25		18.5	≤1.5	≤0.8	3.0		1.7		0.35	
32		25.5	≤2.0	≤1.0			1.6		0.50	

# PRESS FITTINGS >>>

## EQUAL COUPLING

Size: dn16 / dn20 / dn25 / dn32



## REDUCING COUPLING

Size: 20x16 / 25x16 / 25x20 / 32x16 / 32x20 / 32x25



## EQUAL 90 ELBOW

Size: dn16 / dn20 / dn25 / dn32



## END CAP

Size: dn16 / dn20 / dn25 / dn32



## REDUCING TEE

Size:  
16x20x16 / 16x25x16 / 20x16x16 / 20x16x20  
20x20x16 / 20x25x20 / 25x16x16 / 25x16x20  
25x16x25 / 25x20x16 / 25x20x20 / 25x20x25  
25x25x20 / 25x32x25 / 32x16x32 / 32x20x32  
32x25x20 / 32x25x25 / 32x25x32 / 32x32x25



## EQUAL TEE

Size: dn16 / dn20 / dn25 / dn32



## MALE THREADED COUPLING

Size:  
dn16x1/2" / dn16x3/4"  
dn20x1/2" / dn20x3/4"  
dn20x1" / dn25x1/2"  
dn25x3/4" / dn25x1"  
dn32x3/4" / dn32x1"



## FEMALE THREADED COUPLING

Size:  
dn16x1/2" / dn16x3/4"  
dn20x1/2" / dn20x3/4"  
dn20x1" / dn25x1/2"  
dn25x3/4" / dn25x1"  
dn32x3/4" / dn32x1"



## MALE THREADED UNION

Size:  
dn20x1/2" / dn25x3/4"  
dn32x1"



## FEMALE THREADED UNION

Size:  
dn16x1/2" / dn16x3/4"  
dn20x1/2" / dn20x3/4"  
dn20x1" / dn25x1/2"  
dn25x3/4" / dn25x1"  
dn32x1"



## MALE THREADED ELBOW

Size:  
dn16x1/2" / dn16x3/4"  
dn20x1/2" / dn20x3/4"  
dn25x1/2" / dn25x3/4"  
dn25x1" / dn32x1"



# PRESS FITTINGS >>>

## FEMALE THREADED ELBOW

Size:  
dn16x1/2" / dn16x3/4"  
dn20x1/2" / dn20x3/4"  
dn25x1/2" / dn25x3/4"  
dn25x1" / dn32x3/4"  
dn32x1"



## FEMALE THREADED ELBOW WITH PLATE

Size:  
dn16x1/2" / dn20x1/2"  
dn20x3/4" / dn25x3/4"



## MALE THREADED TEE

Size:  
dn16x1/2" / dn20x1/2"  
dn20x3/4" / dn25x1/2"  
dn25x3/4" / dn25x1"  
dn32x3/4" / dn32x1"



## FEMALE THREADED TEE

Size:  
dn16x1/2" / dn20x1/2"  
dn20x3/4" / dn25x1/2"  
dn25x3/4" / dn25x1"  
dn32x3/4" / dn32x1"



## H TYPE TEE

Size: dn20x20x20  
25x25x20 / 25x25x25



## Y TYPE TEE

Size: dn20x20x20  
25x25x20 / 25x25x25



## H TYPE MALE THREADED TEE

Size: dn20x20x1/2"  
25x25x1/2" / 25x25x3/4"



## F TYPE TEE

Size: dn20x20x1/2"  
25x25x1/2" / 25x25x3/4"



# PRESS FITTINGS >>>

## MALE UNION H TYPE PRESS BALL VALVE

Size:  
25x25x1/2" / 25x25x3/4"



## MALE UNION F TYPE PRESS BALL VALVE

Size:  
25x25x1/2" / 25x25x3/4"



## PRESS UNION MALE BALL VALVE

Size: dn20x1/2"  
dn20x3/4" / dn25x3/4"



## PRESS UNION FEMALE BALL VALVE

Size: dn20x1/2"  
dn20x3/4" / dn25x3/4"



## MALE UNION PRESS BALL VALVE

Size:  
dn20x1/2" / dn25x3/4"



## EQUAL UNION BALL VALVE

Size:  
dn20x1/2" / dn25x3/4"



## PIPE EXPANDER

Size: dn20 / dn25 / dn32

