

# JUNXING



## GAS PIPING SYSTEMS

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# GAS PIPING SYSTEMS



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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 Tianjin.

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.



Further more, Junxing obtains many honors, National Inspection-exemption Products, famous brand in Tianjin, new and high-tech enterprise in Tianjin, 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.

## Valuable Supplier



## CERTIFICATION



## 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.



## Rich products range & Flexibility

Junxing 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.



# Multilayer Gas Pipe >>>



JUNXING multilayer gas pipe is five-layer composite that combines the advantages of a metal and plastic pipe and eliminates the disadvantage of both materials at the same time. The aluminum core is absolutely diffusion tight; it reliably prevents oxygen/gases from permeating into pipe. It compensates and reduces snap-back forces and heat expansion with changes of temperature

- Overlapped welded pipe is co-extruded with one step with perfect adhesive between inner layer and aluminum, high and stable pressure resistance, of which welding style is ultrasonic.
- Butt welded pipe is moulding with several steps that is argon-arc welding style.

## Advantages:

The junxing multi-layer pipe system combines the advantages of metal and plastic, the advantages for gas system are:



- Clean and easy to install, no welding, soldering, thread cutting or bonding
- Easy to bend
- Low weight
- Corrosion resistant, thanks to its inner and outer plastic layer
- Excellent long-time rupture strength offers safety in daily use
- Minimal roughness  $k=0.007\text{mm}$  ensuring less pipe friction and lower pressure losses
- Heat expansion similar to that of metals, enabling larger pipe clip distance
- Excellent long-time rupture strength offers safety in daily use
- Maximum temperature up to  $60^{\circ}\text{C}$
- Coil and straight lengths in numerous sizes

# Advantages >>>

Junxing gas pipe can be divided into HDPE-AL-HDPE, PEX-AL-PEX pipe, and Anti-UV gas pipe.

we can offer any special dimension gas pipe if you need.

## HDPE-AL-HDPE

The maximum working temperature is up to  $60^{\circ}\text{C}$ , and the maximum working pressure is 0.4Mpa. The life span is 50 years under regular use condition. The aluminum layer ensures well airproof condition and high corrosion resistance

## PEX-AL-PEX

Both inner and outer layer are polyethylene, the working temperature range is between  $-40^{\circ}\text{C}$ — $80^{\circ}\text{C}$  which is wider than HDPE-AL-HDPE pipe, the maximum working pressure is up to 10 bar and has better airproof function and corrosion resistance than HDPE-AL-HDPE pipe.

PE-AL-PE		PEX-AL-PEX	
Specifications	Packing specif.(m)	Specifications	Packing specif.(m)
<i>Butt welded</i>		<i>Butt welded</i>	
DP4-1216	200/100	DP2-1216	200/100
DP4-1418	200/100	DP2-1418	200/100
DP4-1620	100/50	DP2-1620	100/50
DP4-2025	100/50	DP2-2025	100/50
DP4-2632	100/50	DP2-2632	100/50
<i>overlapped welded</i>		<i>overlapped welded</i>	
P4-1216	200/100	P2-1216	200/100
P4-1418	200/100	P2-1418	200/100
P4-1620	100/50	P2-1620	100/50
P4-2025	100/50	P2-2025	100/50
P4-2632	100/50	P2-2632	100/50

## PRESS FITTINGS

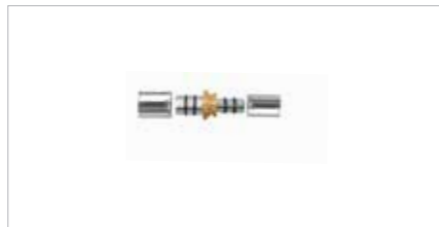


## EQUAL STRAIGHT UNION



Specification(mm)	Packing (pcs/ctn)
1216x1216	320
1418x1418	
1620x1620	224
2525x2025	120
2632x2632	112

## REDUCER



Specification(mm)	Packing (pcs/ctn)
1418x1418	
1620x1216	280
2025x1216	120
2025x1620	120
2632x2025	80

## MALE STRAIGHT UNION



Specification(mm)	Packing (pcs/ctn)
1216x1/2	360
1216x3/4	200
1620x1/2	280
1620x3/4	200
1620x1	
2025x1/2	
2025x3/4	120
2025x1	120
2632x1	96
2632x1 1/4	

## EQUAL ELBOW



Specification(mm)	Packing (pcs/ctn)
1216x1216	192
1620x1620	144
2025x2025	80
2632x2632	45

## UNEQUAL ELBOW



Specification(mm)	Packing (pcs/ctn)
1620x1216	144

## FEMALE TEE



Specification(mm)	Packing (pcs/ctn)
1216x1/2x1216	300
1620x1/2x1620	280
1620x3/4x1620	210
2025x1/2x2025	160
2025x3/4x2025	120

## MALE TEE



Specification(mm)	Packing (pcs/ctn)
1216x1/2x1216	120
1620x1/2x1620	120

## PRESS FITTINGS



## MALE ELBOW



Specification(mm)	Packing (pcs/ctn)
1216x1/2	192
1216x3/4	120
1620x1/2	192
1620x3/4	120
2025x3/4	80
2025x1	96
2632x1	60

## WALL-PLATED FEMALE ELBOW



Specification(mm)	Packing (pcs/ctn)
1216x1/2	112
1620x1/2	96

## EQUAL TEE



Specification(mm)	Packing (pcs/ctn)
1216x1216x1216	120
1418x1418x1418	
1620x1620x1620	120
2025x2025x2025	64
2632x2632x2632	30

## FEMALE ELBOW



Specification(mm)	Packing (pcs/ctn)
1216x1/2	200
1216x3/4	96
1620x1/2	160
1620x3/4	120
2025x3/4	80

## UNEQUAL TEE



Specification(mm)	Packing (pcs/ctn)
1216x1620x1216	120
1620x1216x1216	120
1620x1216x1620	120
1620x1620x1216	120
1620x2025x1620	96
2025x1216x1216	96
2025x1216x2025	70
2025x1620x1620	70
2025x1620x2025	70
2632x1216x2632	
2632x1620x2632	
2632x2025x2632	

## DEMOUNTABLE FEMALE STRAIGHT UNION



Specification(mm)	Packing (pcs/ctn)
1216x1/2	320
1620x1/2	
1620x3/4	160
2025x3/4	96
2025x1	120
2632x1	90

## END CAP



Specification(mm)	Packing (pcs/ctn)
1216	75
1620	60

## COPPER SPIGOT ADAPTER



Specification(mm)	Packing (pcs/ctn)
1216x15	288
1620x22	144
2025x22	120

# COMPRESSION FITTINGS



# COMPRESSION FITTINGS



## EQUAL STRAIGHT UNION



Specification(mm)	Packing (pcs/ctn)
1216x1216	192
1418x1418	
1620x1620	160
2025x2025	112
2632x2632	96

## UNEQUAL STRAIGHT UNION



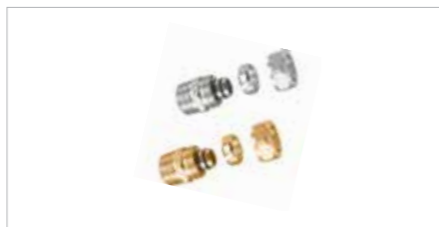
Specification(mm)	Packing (pcs/ctn)
1620x1216	192
1620x2025	120
2025x2632	80

## END CAP



Specification(mm)	Packing (pcs/ctn)
1216	

## MALE STRAIGHT UNION



Specification(mm)	Packing (pcs/ctn)
1216x1/2	288
1216x3/4	200
1418x1/2	192
1418x3/4	192
1620x1/2	192
1620x3/4	192
2025x3/4	128
2025x1	128
2026x3/4	108
2026x1	
2032x1	108

## FEMALE STRAIGHT UNION



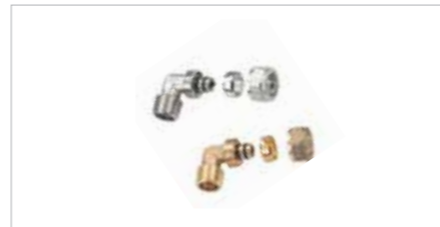
Specification(mm)	Packing (pcs/ctn)
1216x1/2	30
1216x3/4	
1620x1/2	25
1620x3/4	30
2025x3/4	30
2025x1	25
2026x3/4	
2026x1	20
2632x1	

## EQUAL ELBOW



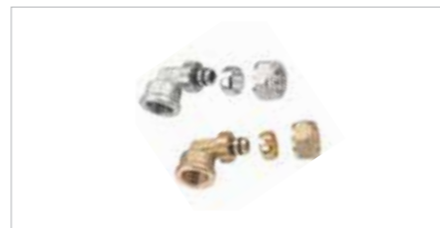
Specification(mm)	Packing (pcs/ctn)
1216x1216	120
1620x1620	120
2025x2025	80
2632x2632	48

## MALE ELBOW



Specification(mm)	Packing (pcs/ctn)
1216x1/2	160
1620x1/2	128
1620x3/4	128

## FEMALE ELBOW



Specification(mm)	Packing (pcs/ctn)
1216x1/2	160
1418x1/2	144
1620x1/2	120
1620x3/4	120
2025x3/4	96
2632x1	60

## EQUAL TEE



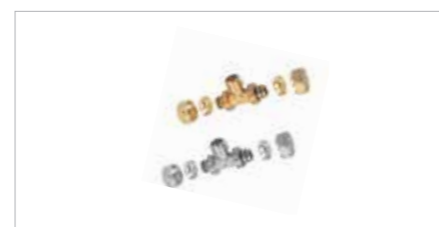
Specification(mm)	Packing (pcs/ctn)
1216x1216x1216	96
1418x1418x1418	
1620x1620x1620	96

## UNEQUAL TEE



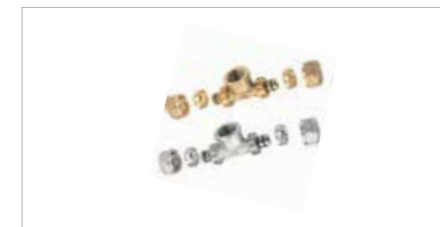
Specification(mm)	Packing (pcs/ctn)
1620x1216x1216	
1620x1216x1620	80
2025x1620x2025	56

## MALE TEE



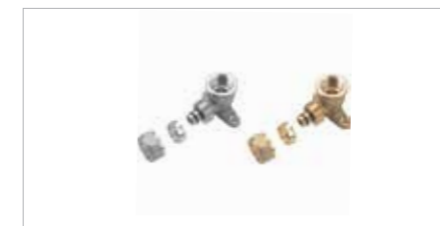
Specification(mm)	Packing (pcs/ctn)
1216x1/2x1216	120
1620x1/2x1620	80

## FEMALE TEE



Specification(mm)	Packing (pcs/ctn)
1216x1/2x1216	120
1620x1/2x1620	96

## WALL-PLATED FEMALE ELBOW



Specification(mm)	Packing (pcs/ctn)
1216x1/2	112
1620x1/2	96

## DOUBLE WALL-PLATED FEMALE ELBOW



Specification(mm)	Packing (pcs/ctn)
1216x1/2x1216	64

## INSTALLATION OF PRESS FITTINGS

## EXTERNAL BENDING SPRING



Specification(mm)	Packing (pcs/ctn)
1014	
1216	6x6
1418	4x6
1620	4x6
2025	2x6
2632	

## INTERNAL BENDING SPRING



Specification(mm)	Packing (pcs/ctn)
1014	40x6
1216	25x6
1418	20x6
1620	15x6
2025	9x6
2632	4x6

## ADJUSTABLE MANUAL PRESSING CLAMP



Specification(mm)	Packing (pcs/ctn)
1016~2032	1

## EXPANDER



Specification(mm)	Packing (pcs/ctn)
16~32	

## PIPE CUTTER



Specification(mm)	Packing (pcs/ctn)
16~32	50



## STEP1

According to the installation manual of press fitting, round and bevel the connecting end of pipe.



## STEP2

Make sure the stainless steel sleeve is seated in plastic base of the fitting



## STEP3

Open the pressing tool and position the tool right onto the sleeve.



## STEP4

Close the handles until the two touch points on the handles touch each other.



## STEP5

While the jaw is completely closed, the handles will be self-locked.

# INSTALLATION OF COMPRESSION FITTINGS



## STEP1

Cut the pipe vertically and precisely



## STEP2

Round and bevel the end holes



## STEP3

Choose the right size fitting according to the pipe, put the nut over the pipe, side the compression ring over the pipe.



## STEP4

Push the inserts into the pipe up to the shoulder, take care not to damage the O ring.



## STEP5

Follow the clamp tools instruction; position the clamp jaws so that their ends aligned with the end of the press sleeve. Shut the press clamp and begin the pressing procedure. It can only clamp once.