



# PPR PIPES & FITTINGS



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# CRAFTSMANSHIP CREATES QUALITY

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# WATER SUPPLY

## RESIDENTIAL WATER PURIFICATION PIPING SYSTEM

The products adhere to the German international standard DIN 8077/8078 for polypropylene (PP-R) pipes. They utilize the same material welding technology for both cold and hot water transportation projects, offering superior technical performance and economic efficiency compared to similar products. This makes them the optimal choice for indoor cold and hot water transportation pipelines. These pipes are widely applied in various fields, including residential buildings, hospitals, hotels, office buildings, schools, apartments, and ships, for the efficient transport of cold and hot water.

### PERFORMANCE ADVANTAGES:

- (1) Extended Lifespan:** The PP-R pipe series boasts a service life of up to 100 years.
- (2) Superior High-Temperature Resistance:** The PP-R pipe series can withstand intermittent usage at temperatures as high as 95°C.
- (3) Enhanced Low-Temperature Resistance:** The PP-R pipe series maintains excellent toughness even at 0°C, making it more suitable for installation and usage in winter compared to traditional plastic pipes.
- (4) Easy and Reliable Connection:** The PP-R pipe series features outstanding hot-melt connection properties. With high-quality conventional hot-melt tools, connections can be securely completed at a temperature of  $260\pm 5^{\circ}\text{C}$ . The hot-melt seal at the connection points ensures exceptional performance, effectively preventing water leakage caused by external temperature changes.





# FOOD-GRADE MATERIALS

Made from raw materials containing only carbon and hydrogen elements, leaving only gas and water after combustion.

## EXPLOSION RESISTANCE

Offers 1.5 times the heat and cold resistance of traditional PP-R pipes under identical conditions.

### CW617

Complies with European CW617 eco-friendly brass standards, with a copper content 30% higher than similar products

### 20-25

Superior pressure resistance, supporting up to 20–25 kg of pressure

### 95°C

Instantly withstands high temperatures of up to 95°C

### 12‰

Non-scaling inner wall ensures 12% higher water flow, offering smoother performance

### 41‰

Thermal insulation performance improved by 41%

### 100

Ensures reliable quality for a century







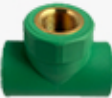
- **Eco-Friendly CW617 Brass Fittings:** Made from CW617 eco-friendly brass with a copper content over 30% higher than similar products, ensuring a healthier, safer, and leak-proof performance.
- **Enhanced Grip with Internal 9-Thread Design:** The 9-thread internal design increases grip strength, providing a more secure and stable connection with premium household angle valves and faucets.
- **Exclusive 9-Layer Reinforced Anti-Leak Grooves:** Features a unique 9-layer reinforcement design both inside and out, boosting strength by over 35% compared to similar products. An upgraded German-standard solution ensures a leak-proof, perfect fit.
- **Precision Injection Molding:** Manufactured with advanced injection molding machines, delivering injection pressure and density over 20% higher than similar products. This eliminates hollow spots and ensures superior material integrity.
- **Color-Protected Surface Treatment:** The exterior undergoes a special color-protection process that avoids electroplating, eliminating the risk of metal ion contamination. Safer and more reliable for drinking water applications.

# FULLY AUTOMATED PRODUCTION EQUIPMENT





















## PPR THREE LAYER PIPES

PRODUCT NAME	SPECIFICATIONS (MM)	PRODUCT NAME	SPECIFICATIONS (MM)
 S3.2 Series PPR Pipe 2.0Mpa	20*2.8	 S2.5 Series PPR Pipe 2.5Mpa	20*2.8
	25*3.5		25*3.5
	32*4.4		32*4.4
	40*5.5		40*5.5
	50*6.9		50*6.9

PRODUCT NAME	SPECIFICATIONS (MM)	PRODUCT NAME	SPECIFICATIONS (MM)
 Male Thread Socket	20*1/2" 25*1/2" 32*3/4" 32*1" 32*1/2 32*3/4 40*1-1/4" 50*1-1/2"	 Female Thread Socket	20*1/2" 25*1/2" 25*3/4" 32*1" 32*1/2 32*3/4 40*1-1/4" 50*1-1/2"
 Male Thread Elbow	20*1/2" 25*1/2" 25*3/4" 32*1/2 32*3/4 32*1	 Female Thread Elbow	20*1/2" 25*1/2" 25*3/4" 32*1/2 32*3/4 32*1
 Male Thread Tee	20*1/2" 25*1/2" 25*3/4"	 Female Thread Tee	20*1/2" 25*1/2" 25*3/4"
 Male Brass Union	20*1/2" 25*3/4" 32*1"	 Female Brass Union	20*1/2" 25*3/4" 32*1"
 Globe Valve	20 25 32	 PPR Brass Gate Valve	20 25 32
 Double Union Brass Ball Valve	20 25 32	 Stop valve	20 25
 Female Thread u shape elbow	20 25	 Female Thread Double Elbow	20*1/2 25*1/2

PPR PLASTIC FITTINGS

PRODUCT NAME	SPECIFICATIONS (MM)	PRODUCT NAME	SPECIFICATIONS (MM)
<div></div> <div>Reducing Socket</div>	25*20 32*20 32*25 40*20 40*25 40*32 50*25 50*32 50*40	<div></div> <div>Reducing Tee</div>	25*20 32*20 32*25 40*20 40*25 40*32 50*32 50*40
<div></div> <div>Equal Socket</div>	20 25 32 40 50	<div></div> <div>Equal Tee</div>	20 25 32 40 50
<div></div> <div>Elbow 45°</div>	20 25 32 40 50	<div></div> <div>Elbow 90°</div>	20 25 32 40 50
<div></div> <div>Pipe Cap</div>	20 25 32 40 50	<div></div> <div>Reducing Elbow</div>	25*20 32*20 32*25
<div></div> <div>Bridge bend</div>	20 25 32	<div></div> <div>Long-radius Bend</div>	20 25 32
<div></div> <div>Union cross</div>	20 25	<div></div> <div>Reducing Cross</div>	25*20
<div></div> <div>Three-dimensional Tee</div>	20 25	<div></div> <div>Downstream Tee</div>	20 25
<div></div> <div>Y-Shaped Tee</div>	20 25	<div></div> <div>Equipotential Female Elbow</div>	20 25
<div></div> <div>Clamp</div>	20 25 32	<div></div> <div>Thread Plug</div>	1/2” 3/4”