What Materials Do You Use?

YuRong specializes exclusively in stainless steel manifold manufacturing. To ensure long-term durability, corrosion resistance, and reliable performance in booster system applications, we primarily manufacture manifolds using high-quality Stainless Steel 304 (SS304) and Stainless Steel 316 (SS316).

Stainless Steel Material Specifications

Material Grade	Key Benefits	Typical Applications
Stainless Steel 304 (SS304)	• Most widely used grade for general water supply • Excellent corrosion resistance • Good mechanical strength • Fully suitable for potable water systems • Cost-effective commercial solution	• Commercial buildings • Residential booster systems • General water supply systems • HVAC water circulation systems
Stainless Steel 316 (SS316)	• Contains molybdenum for enhanced protection • Superior overall corrosion resistance • Improved resistance to chlorides and pitting • Better performance in aggressive environments • Extended service life in challenging setups	• Coastal installations • Water treatment facilities • Industrial process water systems • High chloride water content systems

Material Selection Criteria

Choosing the correct material configuration depends on several dynamic project variables. Our engineering team can assist you in selecting the most suitable option based on:

- Water quality analysis
- Localized chloride concentrations
- Ambient and working operating environments
- Specific engineering project requirements and layout considerations

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Quality Commitment & Conclusion

All YuRong manifolds are manufactured using high-quality stainless steel materials and undergo strict quality control procedures throughout the manufacturing process to ensure consistent performance and long-term reliability. YuRong focuses exclusively on stainless steel manifold manufacturing, offering targeted SS304 and SS316 solutions to perfectly meet the requirements of commercial, industrial, and OEM booster system applications worldwide.

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