

90° Elbow



Describe

The 90° elbow is a fitting used to change the direction of pipelines. It helps adjust the pipeline direction, especially in tight spaces or complex layouts. Widely used in industries like petroleum, chemical, power, and water supply, it suits various fluid media, pressure, and temperature conditions.

Product Features

- **Angle Design:** The 90° elbow quickly changes the pipeline direction by 90 degrees, making it ideal for situations that need sharp turns.
- **High Strength and Pressure Resistance:** The 90° elbow is usually made of high-strength steel or alloy materials, has good pressure resistance, and is suitable for high-pressure environments.
- **Corrosion Resistance:** The appropriate material can be selected according to the use environment, such as stainless steel, carbon steel, alloy steel, etc., to ensure excellent corrosion resistance in corrosive media.
- **Strong Adaptability:** It can be used for a variety of pipeline connection methods, including welding, threading, flange connection, etc., to meet different installation requirements.
- **Customizable Size:** According to actual needs, the 90° elbow can provide different specifications and sizes to adapt to various pipeline systems.
- **Fluid Flow Optimization:** While the 90° elbow slightly increases flow resistance compared to the 45° elbow, its design still allows fluid to flow smoothly, making it suitable for various pipeline systems.

Technical parameters

Material	Carbon steel, stainless steel, alloy steel, copper, plastic, etc.
Specification	DN15 ~ DN1200 (1/2" ~ 48"), customized according to requirements
Pressure level	PN6 ~ PN250
Connection	Butt welding, threaded connection, flange connection, socket connection, etc.
Temperature range	-50°C ~ 450°C, depending on the material and working conditions
standard	Comply with international standards such as GB, ANSI, DIN, JIS, etc.

- **Packaging:** The 90° elbows are typically packaged using methods like wooden boxes, pallets, and bubble film, depending on their specifications. This ensures the products are protected from damage during transportation.