

180° Elbow



Describe

The 180° elbow is a commonly used fitting in pipeline systems designed to change the flow direction of fluid or gas by 180 degrees. It is typically used to reverse the flow direction or avoid resistance caused by sharp turns, especially in situations where the direction needs to be adjusted during pipeline installation. This type of elbow is widely used in industries like petroleum, chemical, electric power, construction, and municipal systems, ensuring smooth operation and long-term pipeline stability.

Product Features

- **High pressure bearing capacity:** The 180° elbow design has a high pressure bearing capacity and can withstand the pressure of the fluid in the pipeline to ensure the stable operation of the pipeline system.
- **Strong corrosion resistance:** It is often made of anti-corrosion materials such as stainless steel and carbon steel, and is suitable for pipeline systems with various corrosive media, such as pipelines in the chemical, petroleum and other industries.
- **Smooth fluid flow:** Compared with 90° elbows, 180° elbows have lower fluid resistance, which can ensure smoother fluid flow in the pipeline and reduce energy loss.
- **Space saving:** 180° elbows are usually small in size and are suitable for the installation of pipelines in limited spaces. They can effectively save installation space and adjust the direction of the pipeline.
- **Diverse specifications:** According to different pipeline requirements, 180° elbows of different sizes, materials, and connection methods can be provided to meet the installation requirements of various systems.

Technical parameters

Carbon Steel	Commonly used in conventional industrial pipelines, with strong pressure bearing capacity and suitable for most non-corrosive fluids
Stainless steel	Suitable for corrosion-resistant, high-temperature-resistant, high-pressure environments, such as chemical, food processing and other industries
alloy steel	Applicable to high temperature and high pressure conditions, commonly used in oil and natural gas pipeline systems
PVC/Plastic	Used in low-pressure water supply and drainage piping systems, and has a narrow range of ambient temperature.
copper	Suitable for some pipes that require good conductivity