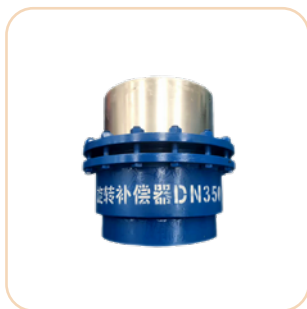


Rotary compensator



- Packaging: According to product specifications and quantity, protective packaging methods such as wooden boxes, bubble films, pallets, etc. are used to ensure safety during transportation.
- Transportation: Provide a variety of transportation methods, including sea, air, land, etc., to ensure that the product can arrive at the customer's designated location on time.

Describe

A rotary compensator, or rotary expansion joint, is used in piping systems to absorb thermal expansion, displacement, or vibration. It compensates for axial displacement caused by temperature changes, pressure fluctuations, or pipe deformation by allowing rotation. Installed at pipe corners or rotating parts, it reduces mechanical stress on pipes and equipment, preventing issues like pipe rupture, leakage, or failure due to excessive stress. Rotary compensators are commonly used in industries such as petroleum, chemical, electric power, steel, and metallurgy.

Product Features

- Rotation Function: The rotary compensator allows the pipeline or equipment to rotate with temperature changes or pressure fluctuations, absorbing displacement and expansion while preventing excessive mechanical stress.
- Compensation Performance: It effectively compensates for axial, lateral, and angular displacement, preventing stress buildup during pipeline expansion or contraction, thus extending equipment lifespan.
- High Temperature and Corrosion Resistance: Made from materials that resist high temperatures and corrosion, it's ideal for harsh environments like steam and chemical medium pipelines.
- Reducing Pipeline Stress: The compensator reduces internal pressure stress by absorbing pipeline displacement, preventing rupture, damage, or failure.
- Simple Structure and Easy Installation: With a straightforward design, it connects directly to pipeline flanges or equipment, simplifying installation and reducing time and costs.
- High Efficiency Performance: It resolves issues from temperature changes, vibration, and displacement, ensuring smooth operation of the entire system.

Technical parameters

Material	Mainly made of corrosion-resistant and high-temperature resistant metal materials such as carbon steel, stainless steel, and alloy steel
Connection	Flange connection, welding connection, etc.
Operating temperature range	-20°C ~ +500° C (wider temperature range available depending on model and material)
Working pressure range	PN6 ~ PN25 (higher pressure range can be customized)
Nominal diameter	DN50 ~ DN2000 (customized according to customer needs)
Compensation	The general compensation amount is 5mm ~ 50mm, which can be customized according to the actual needs of the pipeline.
standard	Comply with ISO, ANSI, DIN, GB, JIS and other international standards
Application medium	Water, steam, oil, chemical media, etc.