

Turbine Inlet Spherical Valve

Inlet spherical valve integrates mechanical, hydraulic, and electric components for intelligent flow control. Its design suits various structures, especially integrated types for high-head power plants.



ADDITIONAL IMAGES



Product Overview

High-Performance Turbine Inlet Spherical Valve

Designed for the inlet end of hydropower plant turbines, this spherical valve provides critical safety and flow control under high water head conditions. The valve acts as an emergency safeguard by cutting off flow during runaway speed conditions or guide vane failure. Featuring self-lubricating lead-free bearings and robust sealing technology, this unit ensures reliable operation in both conventional and pumped storage power stations.

Technical Specifications

Body Structure Types

- Integral type
- Symmetric oblique-segmented type
- Non-symmetric vertical-segmented type
- Symmetric middle-segmented type

Classification by Field Operation

Accumulator-operated, Counterweight-operated, Water-pressure-operated

Bearing Properties

Lead-free, Self-lubricating

Safety & Control

Supported Environments

Hydropower Plant • Pumped Storage • High-head systems

Sealing Structure

Box-type self-tightening double sealing structure