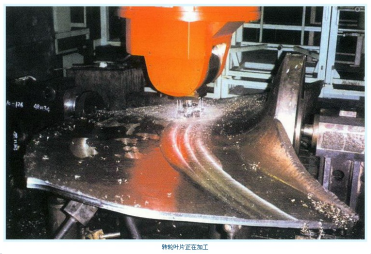
Kaplan Turbine for Low-Head Power Stations

The Kaplan turbine is well-suited for low-head power stations, generally used for heads of 2-30 meters. Flow through the runner is always along the axis, and the unit structure follows a vertical layout.



Product Overview

High-Efficiency Low-Head Power Generation

The Kaplan turbine is specifically engineered for low-head power stations, typically operating within a 2-30 meter range. Featuring an axial flow design and a vertical layout, it ensures optimal energy extraction in varied hydroelectric environments. The turbine is available in fixed-blade configurations for steady loads and adjustable-blade configurations for larger capacity stations with fluctuating flow requirements.

Technical Specifications

Operating Head Range

2 m	30 m
Minimum Head	Maximum Head

Available Designs

- Fixed-blade Kaplan (Simple structure, small-medium capacity)
- Adjustable-blade Kaplan (Large capacity, high variability)

Flow Direction	Axial
Unit Orientation	Vertical

Manufacturing Quality

Construction Standards	CNC Precision Machined, High-Performance Blade Geometry