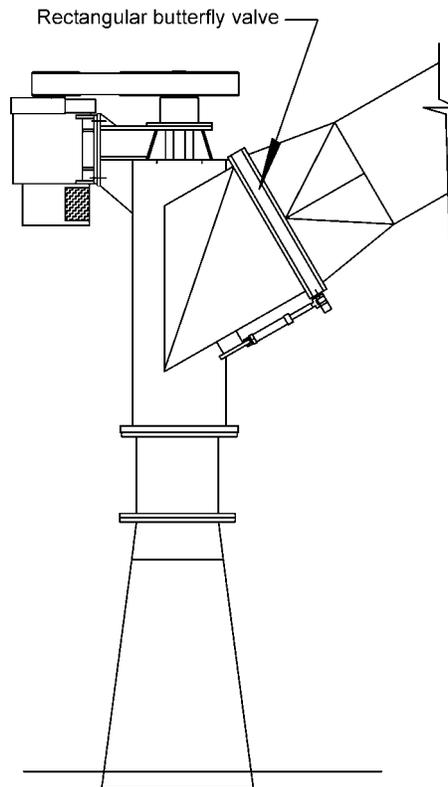


SBR Water Turbine

*Development Stage:
Commercially available*



SBR Water Turbine, Typical Arrangement

Product Description

The SBR turbine is a family of low speed, low power density turbines that do not use guide vanes to force a circumferential component of flow on the water approaching the turbine runner. The flow in the guide case has little shear and near constant axial velocity. The turbine is very adaptable to most sites and has in its simplest form an overall efficiency of 90 to 92 percent.

Product Highlights		
Standard Unit Design Capacity	1,000 kW	Design Working Environment <input checked="" type="checkbox"/> Natural waterways <input checked="" type="checkbox"/> Water transmission systems <input checked="" type="checkbox"/> Effluent streams <input type="checkbox"/> Tidal estuaries <input type="checkbox"/> Near shore ocean <input type="checkbox"/> Off-shore ocean <input type="checkbox"/> Deep ocean <input type="checkbox"/> Other
Other sizes currently available	Yes	
Characteristic Dimension	5 ft	
Rotational Axis Orientation	Horizontal, parallel to flow	

Product Specifications/Details (Standard Unit)

- **Performance Specifications:**

Category	Minimum	Maximum	Units
Flow range	—	—	ft ³ /sec
Hydraulic head range	4	150	ft
Power output range	10	1,000	kW
Waterway depth	—	—	ft
Waterway width	—	—	ft

- **Efficiency:** Turbine: 92% Total System: 86%

- **Deployment Locations:**

- Laurentian Lodge near Elliot Lake, Ontario Canada
- City of Brantford Water Treatment Plant at Brantford, Ontario
- Three of the Grand River Conservation Authorities storage dams
- On the Magnetawan River at Burk's Falls, Ontario

- **Operating History:**

- In commercial operation for 22 years

Company Contact Information

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Company Profile

Years in Business	20-30 years
Number of Employees	less than 5 employees
Annual Equipment Sales	\$100,000 - \$1,000,000