

Fish friendly tubular screw pump

Our range of Archimedes screw pumps now also includes a 100% fish friendly tubular screw pump, suitable for both existing and newly built pumping stations.

The tubular construction and specially designed inlet support safe fish passage through the screw pump. Its design supports river continuity and protects aquatic fauna, meeting requirements and guidelines for fish safety and migration.



Key features

Our tubular screw pump is engineered for fish-sensitive applications in both new and existing pumping stations. Its enclosed construction and specially designed inlet enable safe fish passage and prevent harm to all fish species. In addition, no leakage losses occur.

The pump can be supplied for varying water levels and site conditions, with multiple bearing options, including our renowned ECO-friendly enclosed lower bearing. Semi-compact versions feature a self-supporting screw with a separate drive, while full-compact versions integrate the drive, thereby reducing civil works.

Depending on project requirements, the tubular screw pump is available as a fixed installation, a variable-angle installation with flotation units, or a variable-angle installation with hydraulic or spindle adjustment. All configurations are designed for efficient installation with minimal civil works.

Advantages

- 100% fish friendly design
- High efficiency across entire operating range
- Long service life and low maintenance
- Adjustable in height
- Quiet and protected
- No leakage losses

Technical details

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|---------------------|-----------------------------|
| • Capacity | max. 80 m ³ /min |
| • Diameter | max. 2500 mm |
| • Lift | max. 7000 mm |
| • Inclination | 30 - 40 degrees |
| • Installed power | up to 150 kW |
| • Number of flights | 3 |
| • Material | screw=steel / tube=GRP* |
- *optional stainless steel or coated steel