

Copa® Rotating Bar Interceptor

Intercepts large and heavy items, protecting downstream wastewater treatment plant

Key features & benefits

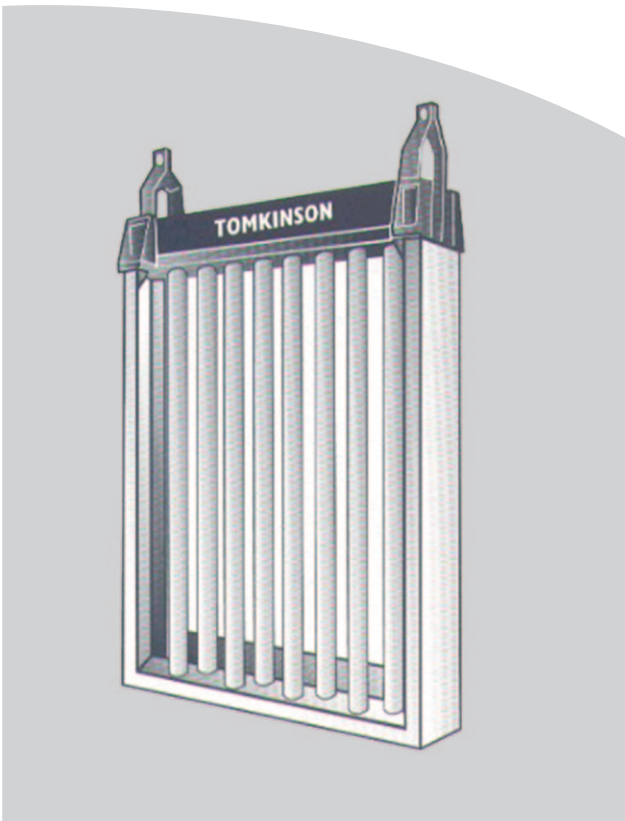
- Proven design
- Minimal debris removal required
- Enhanced flow characteristics
- Suitable for channels of all sizes
- Hydraulically driven

How we create value

- Minimal maintenance and operation costs
- Protects valuable downstream equipment from damage by large debris



Copa® Rotating Bar Interceptor



The Copa® Rotating Bar Interceptor (RBI) has been designed to stop all forms of floating debris, flotsam and heavy items before they reach the pumping plant and wastewater treatment process units.

The Copa RBI intercepts large and solid objects, preventing them from reaching and damaging pumping installations, fine screens or other process mechanisms employed in wastewater treatment.

The Copa RBI's proven design consists of large diameter, intermittently rotating steel tubes. The robust tubular screen is designed to optimize protection, flow characteristics and free flow area. The clear spaces between each tube can be set at 75, 100 or 150mm.

Material that is suitable for screening is allowed to pass through the bars, assisted by the rotating mechanism. This alleviates the usual problem of having to remove debris from the protective coarse screen.

Each tubular screening bar is individually driven by a hydraulic motor. This is controlled hydraulically from a remote power pack. This system means that the Copa RBI is suitable for flood-prone installations.

The interceptor bars periodically reverse direction to minimize stringing or wrapping by rags or other fibrous materials that come into contact with the screen.

The Copa RBI requires minimal maintenance. The bar assembly features sealed-for-life radial thrust bearings and simple lower location bearings. The whole assembly can be removed for inspection or where a bypass channel is not available. A guard grill can also be incorporated into the design.

The Copa RBI is designed for prolonged, unsupervised operation.

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