

Rotating Bar Interceptors (RBI)

Response Group

Equipment
Data Sheet #: 37



Half Bridge
Scrapers

Picket Fence
Thickeners
(PFT)

Grit Traps

Recent Installations

- Rathoath PS
- Barna PS
- Batchelors Walk PS
- Bandon PS
- Skibereen PS

Response Group manufacture Rotating Bar Interceptors (RBIs) which operate as a coarse bar screen system to deny access to abnormally heavy objects which could cause damage to pumping installations, mechanically raked fine screens or other downstream wastewater treatment plant. The rotating bars, which revolve at approximately the same rate as effluent flow, direct the wastewater and normal solids through unhindered. The build-up of solids and the necessity for local removal is avoided. Various tube diameters and bar spacings are available to suit the most likely solids removal requirements.

Key Features

- Galv./Coated MS Frame
- Galv./Coated MS Tubes
- 75/100/150 mm Spacings
- 75/100 mm Tube Diameters
- Remote Power Pack
- Automatic Operation
- Individual Hydraulic Motors
- Timed Rotation Reversal
- To suit all Channel Geometry
- Minimum Debris Removal
- Remote Control Panel
- Suitable for Hazardous Areas

Dissolved Air
Flotation (DAF)
Units

Surface Rotors
/ Aerators



The RBI construction consists of a series of tubes mounted within a fabricated steel frame. Each tube is provided with end bearings and a drive shaft which is coupled to an individual hydraulic motor mounted on the top beam of the frame. In the event of one or more bars stalling due to overload the remaining tubes will continue to rotate independently in normal operation. The rotation of the tubes can be reversed automatically to facilitate clearing of the screen. The unit which is located within guides can be easily removed for inspection and maintenance.

Optional Features

- Bar Peripheral Speed Choice
- Stainless Steel Construction

Rotating Bar
Interceptors
(RBI)

Tipping
Buckets

Dissolved
Aerations

Penstocks /
Stoplogs

Packaged
Pump Stations

Further information on our full range of products can be obtained at our website www.response-group.ie