



SURFACE AERATION ROTOR

For wastewater treatment



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FEATURES

- High capacity of water oxygenation.
- Adaptation of oxygen transfer through immersion control of rotor blades.
- Delivery of pre-engineered systems to be easily assembled by local labour.
- Applications for urban and industrial wastewater treatment facilities

/SURFACE AERATION ROTOR

MR10



DESCRIPTION

Horizontal surface-aeration rotor for oxygenation of water and degradation of organic matter in wastewater treatment plants.

The equipment consists of blades coupled to a horizontal shaft that rotates by means of a driver. The blades are made of polyamide reinforced with fibreglass, which gives them the strength and flexibility required to trigger the superficial agitation of the water and the turbulences that will bring the air to the lower layers of the water stream.



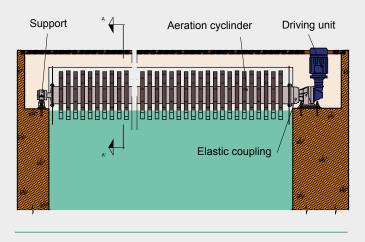


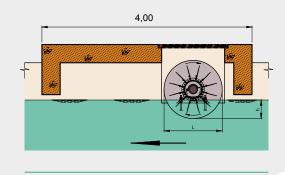
The surface aeration rotors are installed in series in aerations tanks of wastewater treatment plants as part of the biological treatment and pollutant breaking-down of wastewater.

MAIN FEATURES



- High quality rotating-mechanical components. ■
- High water oxygenation capacity and availability under demanding operation conditions. ■
- The high reliability of the aerator provides the required stability for the biological water treatment processes.
 - Low energy consumption and easy maintenance.
 - Customer support service.

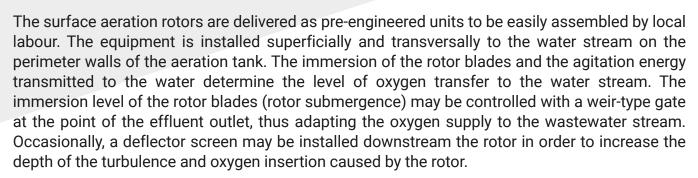




Front view Side view



SITE SETTING AND OPERATION





Single diameter of the rotor: 1.000 mm

Type of rotor	Length	Rotor's frequency	Power	Max. O₂* transfer	Max. immersion
MR10-300	3.0 m	74 rpm 49 - 74 rpm	15 kW 10 - 15 kW	8.8 kg0 ₂ /m-h 4.5 - 8.8 kg0 ₂ /m-h	29 cm
MR10-450	4.5 m	74 rpm 49 - 74 rpm	22 kW 15 - 22 kW	8.8 kg0 ₂ /m-h 4.5 - 8.8 kg0 ₂ /m-h	29 cm
MR10-600	6.0 m	83 rpm 55 - 83 rpm	30 kW 28 - 43 kW	9.4 kg0 ₂ /m-h 5.8 - 9.4 kg0 ₂ /m-h	24 cm
MR10-750	7.5 m	83 rpm 55 - 83 rpm	37 kW 24 - 36 kW	9.4 kg0 ₂ /m-h 5.8 - 9.4 kg0 ₂ /m-h	24 cm
MR10-900	9.0 m	83 rpm 55 - 83 rpm	45 kW 32 - 50 kW	9.4 kg0 ₂ /m-h 5.8 - 9.4 kg0 ₂ /m-h	24 cm

/HIGH QUALITY

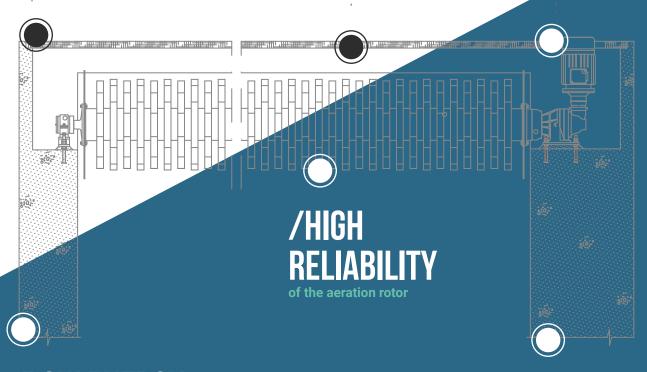
of mechanical components

Oxygenation of water

/UNDER HIGHLY DEMANDING CONDITIONS

High capacity of

/WATER OXYGENATION



/LOW ENERGY CONSUMPTION

and easy maintenance

/PERSONALISED CUSTOMER SUPPORT

and after-sales service





Quality Management System



Environmental Management System



Health & Safety Management System