

## *ROTATING BIOLOGICAL CONTACTOR*

### **RBC D 4000 L-S**

#### *TECHNICAL DESCRIPTION*

##### ***RADIAL STRUCTURE***

The structure consists of hot dip galvanized arms and panels supporting pipes made of carbon steel protected by electrolytic galvanisation or epoxy resins.

The rods are assembled together with the flange by high tensile fasteners.

The radial structure can be shipped assembled or fully disassembled.

##### ***SHAFT***

Electrowelded carbon steel pipe of high thickness, sandblasted and covered by epoxy resin.

Diameter : 762 mm

Metal thickness : 20 mm

The journals are manufactured by special carbon steel, with 180 mm diameter.

##### ***MEDIA***

The RBC consists of 32 sets of polyethylene media with high molecular weight added with carbon black as UV inhibitor. The space between the media is approx 19 mm. The 32 sets of media form a series of truncated cones and are easily removable from their supporting shaft members for maintenance (without removing the main shaft).

##### ***MOTORIZATION***

The shaft is driven by a gearmotor, directly coupled by a special drive sprocket. Special paints guarantee the appropriate protection in heavy duty conditions.

##### ***SHAFT SUPPORTS***

Self-aligned double roller bearings protected by special seals, with pillow block bearing housings. Calculated bearing life according to SKF L10 is 100,000 hours.

##### **COVER**

Made of fiberglass and complete with inspection windows and aeration holes.

##### ***OTHER TECHNICAL FEATURES***

Drum diameter : 4000 mm

Max length : 10330 mm

Max width : 4640 mm

Weight dry : 13560 kg

No. of sectors : 4

Installed power : 5.5 kW

Equivalent area : 11300 m<sup>2</sup> (standard density)

Not binding data. Our company reserves the right to modify or improve the same without prior notice