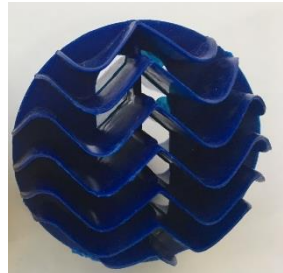


i-MBBR

immersed Moving Bed Biological Reactor



Distributor:



PLASTIC MEDIA

i-MBBR plastic media with a large surface area which allows biomass adhesion on the walls and a large free volume, allowing perfect movement of the fluid inside a biological bed.

ADVANTAGES OF THE PLASTIC MEDIA iMBBR COMPARED TO OTHER MEDIA

1. Rough walls that allow greater attachment of the biological film , compared to those with smooth walls.
2. Many planes in different directions that allow greater retention time of the water in the system.
3. The geometry and placement of both the internal and external flaps give great movement to the pieces both thanks to the thick air bubbles and to a slight mechanical agitation.
4. Offers an easy biomass adherence that is kept highly protected due to the placement of the flaps.

RANGE OF MODELS OF THE PLASTIC MEDIA iMBBR

MODEL SPECIFICATIONS	i-MBBR
Material	Polypropylene, Polyethylene, ABS, PVC
Temperature range of use	20 ~ 100 °C
Diameter of ball	55 mm
Wall thickness	0.8 mm
Specific area	300 m ² /m ³
Dry weight	85 ~ 90 kg/m ³
Wet weight	100 ~ 200 kg/m ³
Maximal installation height	10 m
Chemical resistance	Good
Main advantages in use	Excellent material exchange, low pressure drop, considerably higher loading, better separation efficiency, high dwelling time and temperature, This media has the advantage that the balls cannot slide in each other and thereby the formation of bridges and dead spaces can be hindered.
Main fields of use	-Packing of gas scrubbers. -Packing in chemical processes for liquid-gas absorption or stripping. -Removal of methane, argon, CO ₂ in drink water treatment. -Dropping body packing of small and medium communal and industrial water purification equipment. -Packing of rotary-dipping equipment in sewage purification.