



# SUSPENDED MEDIA BIOLOGICAL REACTOR

## SMBR™ ADAPTED TO HIGH LOAD CONDITIONS

The SMBR™ is particularly well suited to treat high or variable loads. The technology is used to treat wastewater and makes it possible to increase the capacity of existing plants in order to meet the strictest BOD<sub>5</sub> and ammonia nitrogen standards.

### ADVANTAGES

- Can be combined with other technologies: flotation, clarification, lagoons, etc.
- Double or triple the capacity of an existing treatment system.
- Ease of operation.

### THE SMBR™ SYSTEM IS IDEAL FOR:

- Increasing capacity of existing facilities (retrofitting).
- Treating municipal, industrial, commercial and institutional effluent.
- Treating large loads.
- Polishing the biological treatment effluent.
- Carrying out cold water nitrification.

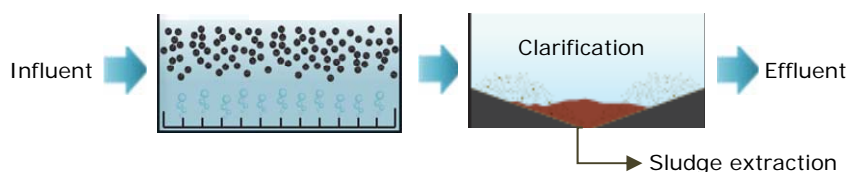
Operational support service and remote monitoring available. The SMBR™ can be incorporated into existing treatment chains, depending on targeted results.

### APPLICATIONS

- SMBR™ bioreactors with or without sludge return.
- PEENOX™ media added to existing activated sludge.



- SMBR™ bioreactors installed in series (treatment stages).
- Bioreactors installed ahead of existing biological treatments:
  - Aerated lagoons
  - Sequencing Batch Reactors
  - Activated sludge



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