

# IBR™

## Integrated Bio-Reactor

An innovative biological treatment technology

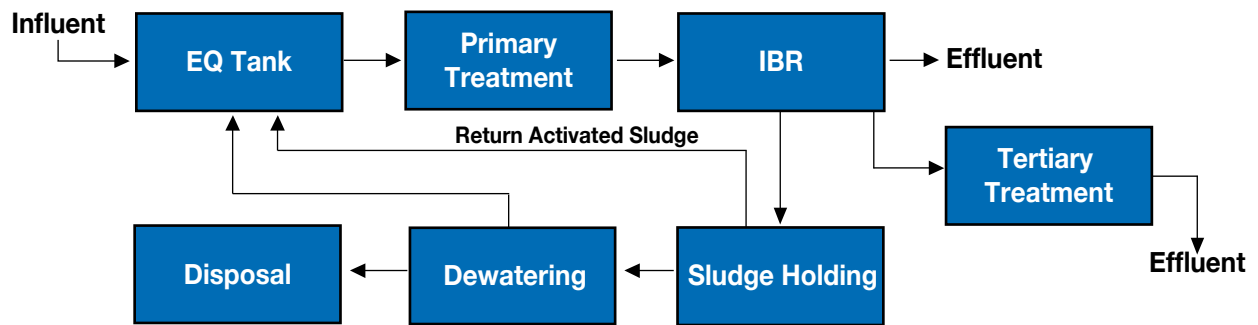
By incorporating the clarifier within the aeration tank, the Integrated Bio Reactor (IBR) occupies a minimal footprint. Suitable for new plants or retrofitting an existing plant, the IBR outweighs the competition by lowering capital and O/M costs, requiring a smaller footprint, with faster installation, and integrated remote monitoring and control. From municipal wastewater treatment to an impressive expanse of industrial applications, this revolutionary technology demands less energy, produces less sludge and saves more money in both installation and maintenance costs than any other system available.

### Features and Advantages

- ▶ Low capital costs
- ▶ Low O & M costs
- ▶ Vertical installation for small footprint
- ▶ Fast installation
- ▶ TSS/BOD reduction as low as 5ppm
- ▶ Near zero excess sludge
- ▶ Treated flows up to 10 million GPD
- ▶ Municipal and industrial applications
- ▶ Quality materials and workmanship



### IBR - Process Flow Diagram



### Integrated Bio-Reactor System Specifications

Model	Flow (GPD)	m3/day	Pop. Equiv.	Tank Diameter	Power Installed
IBR-100	100,000	378.5	1893	18'	9 kW/hr
IBR-200	200,000	757	3785	25'	18 kW/hr
IBR-300	300,000	1135.5	5678	31'	26 kW/hr
IBR-400	400,000	1514	7570	36'	35 kW/hr
IBR-500	500,000	1892.5	9463	40'	44 kW/hr
IBR-700	700,000	2649.5	13248	48'	62 kW/hr
IBR-1000	1,000,000	3785	18925	57'	88 kW/hr