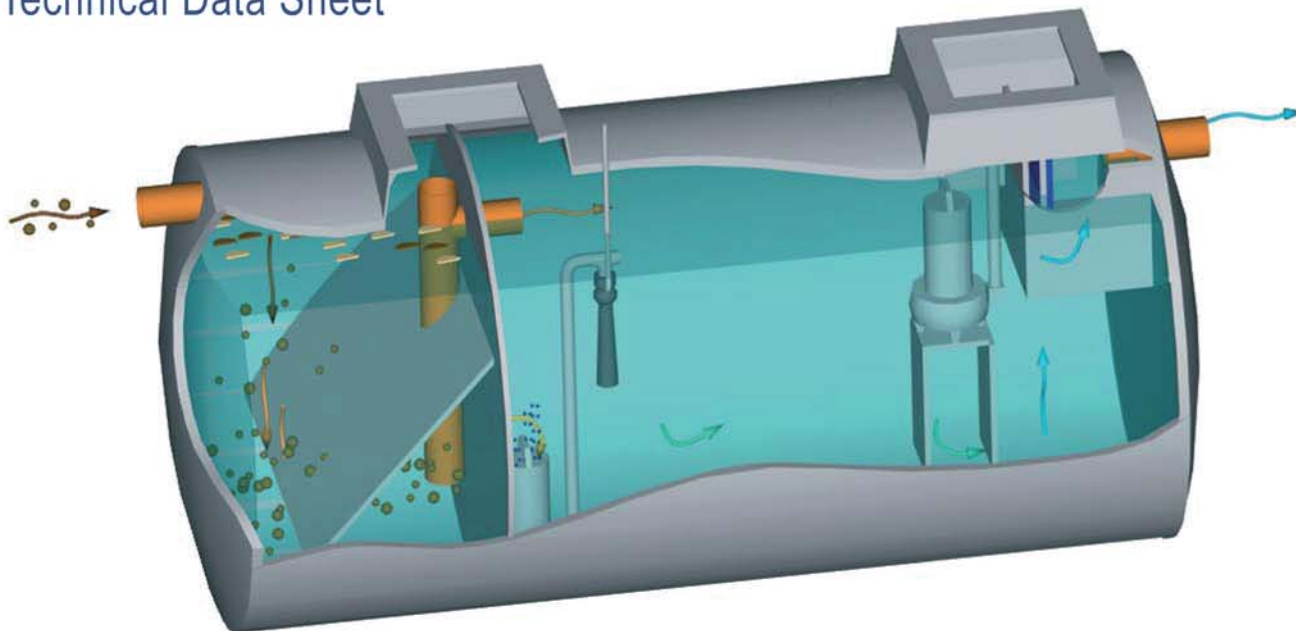


OXIDATION SYSTEM WITH S.B.R. TECHNOLOGY AND FILTER Mod.DFSBRF

Technical Data Sheet



Description

The mod. **DFSBRF OXIDATION SYSTEM** is a monobloc unit made of FRP (Fiberglass Reinforced Polyester). It is an activated sludge system with S.B.R. (sequencing batch reactor) technology that functions in programmed sequential steps and comprises:

- **primary sedimentation sector** with sludge digestion compartment.
- **oxidation sector** with submersible aeration equipment and Venturi ejector.
- **secondary sedimentation sector** with intermittent reactor drain pump and polypropylene selector filter.
- **fiscal sampling pit.**

DFSBRF is equipped with 600x600 mm inspection windows. All unions are made of UNI 1401-1 PVC. The electric panel conforms to IEC standards and controls the oxygenation and draining cycles.

Technical Specifications

model	DFSBRF	10	20	30	40	50	75	100	125	150	200
internal diameter	D m	1.20	1.60	1.60	2.00	2.00	2.40	2.40	2.40	2.40	2.40
length	L m	3.10	3.50	4.70	4.10	4.90	4.95	6.20	7.80	9.00	11.45
population equivalent	N°	10	20	30	40	50	75	100	125	150	200
total flow rate	m ³ /d	2.0	4.0	6.0	8.0	10.0	15.0	20.0	25.0	30.0	40.0
length of primary settler	A m	1.15	1.30	1.45	1.40	1.55	1.45	1.50	1.90	1.95	2.00
length of secondary settler/biological reactor/accum.zone	B m	1.95	2.20	3.25	2.70	3.35	3.50	4.70	5.90	7.05	9.45
diameter of IN - OUT manifolds	mm	125	160	160	160	160	200	200	200	200	200
inlet height	H in m	1.05	1.40	1.40	1.80	1.80	2.20	2.20	2.20	2.20	2.20
outlet height	H out m	1.00	1.35	1.35	1.75	1.75	2.10	2.10	2.10	2.10	2.10
delivery/oxidation pumps	N°	1/2	1/2	1/2	1/2	1/2	1/3	1/3	1/4	1/4	1/6
selector filter	N°	1	1	1	1	1	1	1	1	1	1
N° inspection doors	N°	2	2	2	2	2	3	3	4	4	5