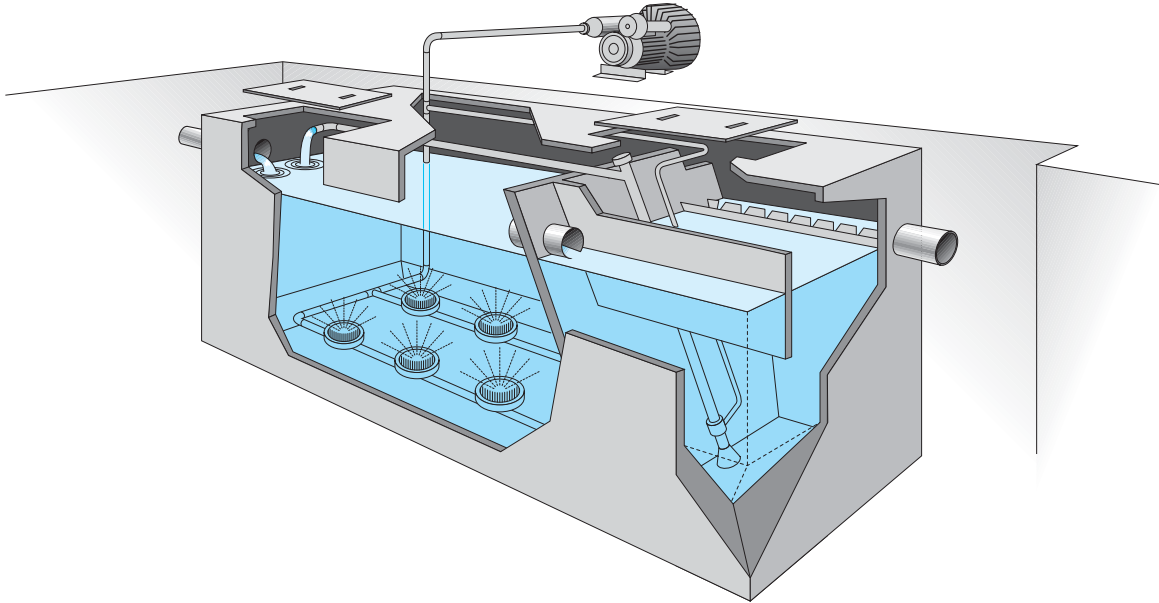


MONOBLOC PARALLELEPIPED TOTAL OXIDATION PLANTS FROM 30 TO 200 EQUIVALENT POPULATION

OXI/P series



WHAT ARE TOTAL OXIDATION PLANTS OXI/P SERIES

Monobloc parallelepiped prefabricated plants type EURO MEC OXI/P series for residential areas from 30 to 200 equivalent population are dimensioned in order to guarantee the acceptance limits to the discharge foreseen by the Directive 91/271/CEE for discharge in superficial water, principally composed of a parallelepiped tank horizontal axe divided inside into two sections: an oxidation section equipped with self-polishing membrane air diffusers and a final sedimentation section with automatic sludge recycling.

The supply includes the blower type side channels for the production of compressed air and the general command and protection electric panel.

The tanks of the monobloc prefabricated tanks type EURO MEC OXI/P series are composed of monolithic tanks made of reinforced concrete to guarantee any leak absence and any absence of ground infiltrations and can be installed even in presence of ground water.

HOW TOTAL OXIDATION PLANTS OXI/P SERIES WORK

Monobloc parallelepiped prefabricated plants type EURO MEC OXI/P series are divided into the following sections: one for biological oxidation, where by means of aeration through air insufflation, happens the complete reduction of sewage organic substance; one of sedimentation, where sludge separation is obtained, which settle on the bottom, and skimming clarified water is sent to the discharge.

Active sludge, collected from the bottom of the sedimentation section, is recycled in continuous by means of a pneumatic ejector to the oxidation, respect to overflow sludge, coming from biological increase, which is periodically extracted.

With the use of timers, that command the on/off of the blower, the functioning of parallelepiped monobloc prefabricated plants type EURO MEC OXI/P series can be fully automatised.

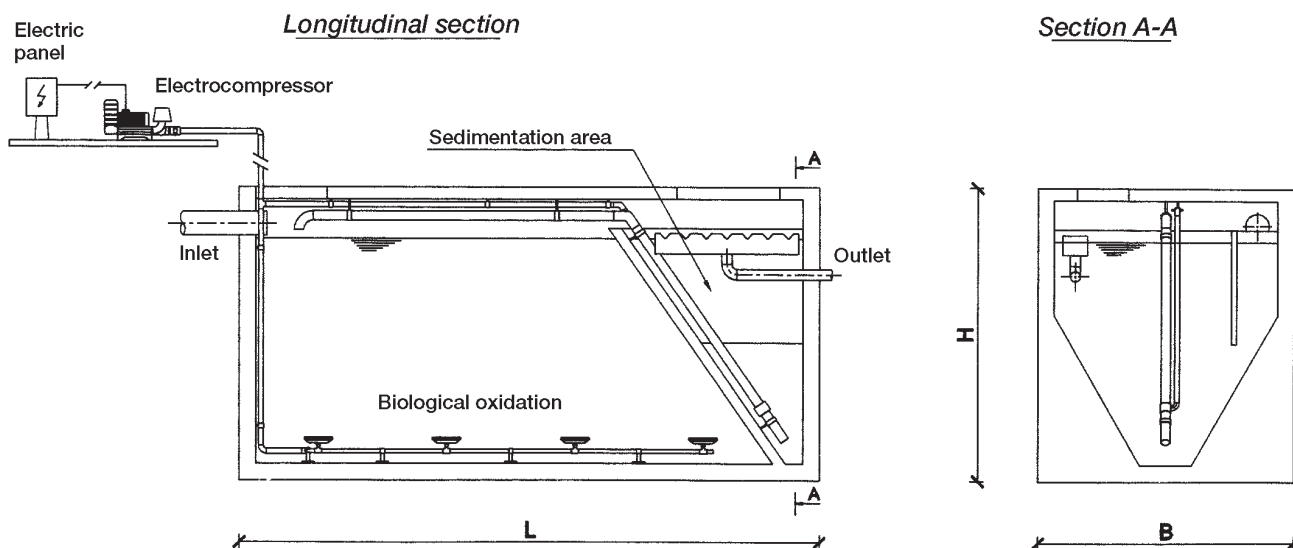
USED MATERIALS

Tanks	:	highly resistant reinforced vibrated concrete
By request	:	painted steel fiberglass
Shafts	:	concrete (if requested class D 400 cast iron)
Piping	:	galvanised steel and polyethylene
By request	:	stainless steel AISI 304

SPECIFICATION

"Supply of prefabricated total oxidation depuration plant made of reinforced concrete type EURO MEC OXI/P series composed of a monolithic parallelepiped basin made of reinforced concrete horizontal axe divided inside into a biological oxidation section and a final sludge sedimentation section, complete with sewage inlet and outlet connection pipes, inspection shafts made of concrete, self-polishing membrane air diffusers, command and protection

STANDARD PRODUCTION



Parallelepiped monobloc total oxidation OXI/P series
For discharge in superficial water - Directive 91/271/CEE

DESCRIPTION	MEASURE UNIT	MODEL										
		OXI/P 30	OXI/P 40	OXI/P 50	OXI/P 60	OXI/P 80	OXI/P 100	OXI/P 125	OXI/P 150	OXI/P 175	OXI/P 200	
Equivalent population	n.	30	40	50	60	80	100	125	150	175	200	
Daily flow rate	mc/g	4,50	6	7,50	9	12	15	18,75	22,50	26,25	30	
Daily organic load (BOD5)	Kg/g	1,80	2,40	3	3,60	4,80	6	7,50	9	10,50	12	
Oxidation volume	mc	4,50	6	7,50	9	12	15	18,80	22	26	28	
Sedimentation volume	mc	1,15	1,75	2	2,20	4,20	4,60	5,60	6,60	7,90	8,25	
Sedimentation surface	mq	0,94	1,45	1,62	1,80	3,20	3,50	3,90	6,60	5,52	5,75	
Air request	mc/h	24	24	40	40	40	70	70	70	115	115	
Lift	mm	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	
Installed power	kW	0,55	0,55	1,10	1,10	1,10	1,50	1,50	1,50	2,20	2,20	
Blowers	n.	4	4	8	8	8	12	12	12	16	16	
Length	L	cm	230	300	360	420	500	500	600	700	750	800
Width	B	cm	200	200	200	200	220	250	250	250	250	250
Height	H	cm	220	220	220	220	220	250	250	250	250	250
Total weight	q.l.s	60	110	130	150	170	180	230	260	280	300	

The above written data are given as information. The Society EURO MEC S.r.l. reserves the right to change them in every moment.

The plants can be supplied with hydraulic flow rates and organic loads even different from the ones in the schedule, which are of 150 l/inhab. g. and of 60 g BOD5/inhab. g.