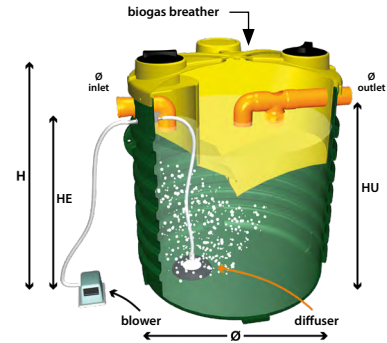


Active sludge plant

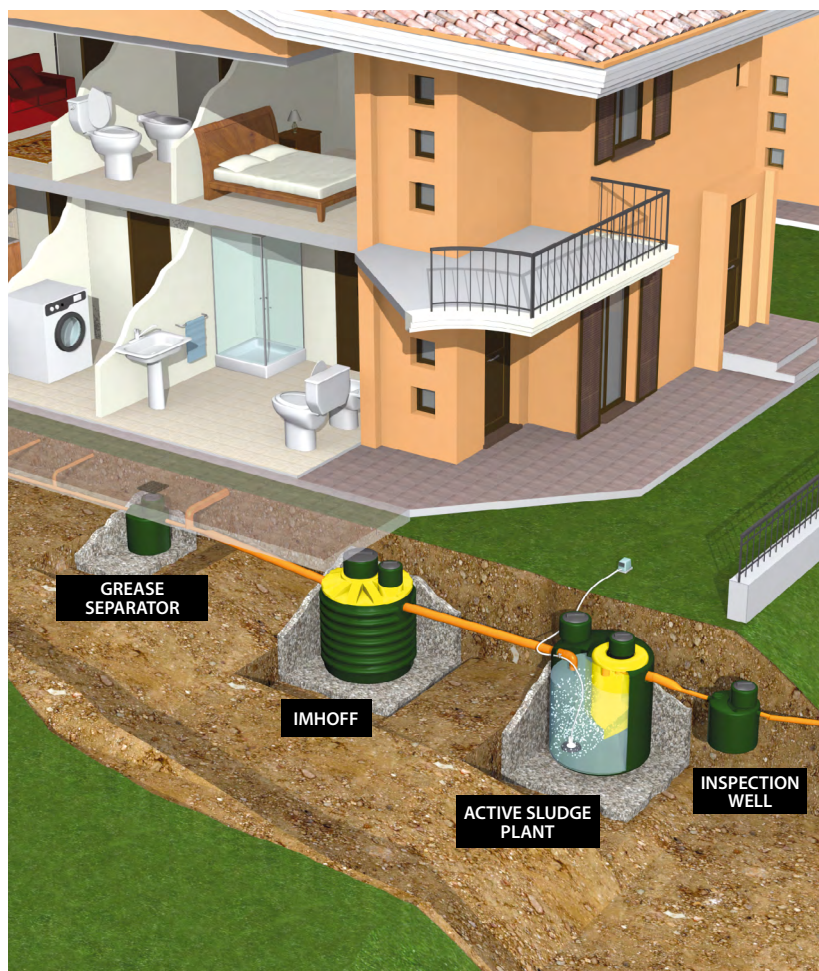
Technical specifications

Supply of an active sludge treatment plant made of high density linear rotomoulded polyethylene (LLDPE) type EMS WATER TECHNOLOGY series OXI/PE, composed of a monobloc vertical axis cylinder tank divided into a sludge biological oxidation section and sludge final sedimentation section, complete with inlet and outlet connections, chlorine location for final disinfection, air membrane diffusers made of microholed rubber and membrane air compressor . Pipes complete with NBR watertight rubber gaskets. Two threaded PVC manholes are located in the upper end for inspection, discharge and cleaning purposes.



Item	A.E.	Water supply l/e.p.d	Ø mm	H mm	HE mm	HU mm	ØE/U mm	Areated volume (l)	Sedim. volume (l)	Volumetric load (kg _{BOD} /m ³ d)	Retention time areation (h)	sedim. (h)	OC kg _{O₂} /kg _{BOD}	Diffuser plates	Blower consum. W
OXI/PE 5	5	200	1150	1220	870	840	110	627	245	0,383	15	5,9	3	1	31
OXI/PE 8	8	200	1150	1720	1370	1340	110	1012	380	0,379	15,2	5,7	3	1	31
OXI/PE 13	13	200	1710	1350	1010	970	125	1545	629	0,42	13,7	4,9	2,5	2	91
OXI/PE 16	16	200	1710	1625	1240	1200	125	1930	760	0,414	13,9	5,1	2,5	2	91
OXI/PE 20	20	200	1710	1855	1510	1470	125	2330	965	0,421	13,7	5	2,5	2	91
OXI/PE 25	25	200	1710	2125	1750	1710	125	2830	1003	0,419	13,7	5,3	2,5	2	91
OXI/PE 40	40	200	2250	2367	1852	1812	125	5586	1435	0,343	16,75	4,3	3	2	106
OXI/PE 50	50	200	2250	2625	2110	2070	125	6047	2000	0,397	14,51	4,8	3	2	106

A.E.= equivalent people; Ø = tank diameter; H = tank height; HE = inlet height; HU = outlet height; ØE/U = inlet/outlet diameter; Q24 = daily flow rate; CV = volumetric biological load



Installation type