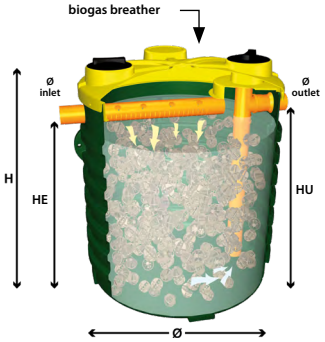
Polyethylene
plants for water treatment

Percolating filter tank

Technical specifications

Supply of a highl density linear rotomoulded polyethylene filtering tank type EMS WATER TECHNOLOGY series PER/AN, composed of a monobloc vertical axis cylinder tank, polypropylene filling bodies with high specific surface, equipped with PCV inlet and sewage discharge outlet as well as piping for the treated sewage water discharge. Pipes complete with NBR watertight rubber gaskets. Two threated PVC manholes are located in the upper end for inspection, discharge and cleaning purposes.



Item	A.E.	Q_{max} (m^3/h)	Q_{24} (m^3/g)	Ø mm	H mm	HE mm	HU mm	ØE/U mm	Sup (m^2)	Filter volume (m^3)	Volume load (kg_{BOD}/m^3d)
PER/AN 6	6	0,12	1,2	1150	1220	870	840	110	1,04	0,87	0,33
PER/AN 9	9	0,18	1,8	1150	1720	1370	1340	110	1,04	1,39	0,31
PER/AN 14	14	0,28	2,8	1710	1350	1010	970	125	2,24	2,17	0,30
PER/AN 20	20	0,4	4,0	1710	1625	1240	1200	125	2,24	2,68	0,35
PER/AN 23	23	0,46	4,6	1710	1855	1510	1470	125	2,24	3,29	0,33
PER/AN 27	27	0,54	5,4	1710	2125	1750	1710	125	2,24	3,83	0,33
PER/AN 45	45	0,9	9,0	2250	2367	1852	1812	125	3,98	7,02	0,31
PER/AN 55	55	1,1	11,0	2250	2625	2110	2070	125	3,98	8,04	0,33

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

Installation type