



Dimensioning sand filtration
All wastewaters of households, 1 - 480 persons

Persons		
qty		
1	-	10
11	-	15
16	-	20
21	-	25
26	-	30
31	-	41
42	-	51
52	-	63
64	-	78
79	-	104

105	-	129
130	-	154
155	-	179
180	-	205
206	-	259
260	-	309
310	-	359
360	-	409
410	-	479

Dimensioning sand filtration						
Percolation capacity 50 l/m ² /d						
Infiltration/drainage pipe	Drainage ditches			Field		
	m (m ²)	Pipe lines	Distribution/collector wells		Drainage pipe lines	Collector wells
		qty	qty		qty (à 15 m)	qty
28.4	2		1		2	1
42.6	3		1		2	1
56.8	4		1		3	1
71	5		1		4	1
85.2	6	1	2		5	1
113.6	8	1	2		6	1 2
142	10	1	2		8	1 2
170.4	12	1	3		9	1 3
213	15	1	3		12	1 3
284	20	1	4		16	1 4
355	25		1 5		20	1 5
426	30	1	2 6		24	1 2 6
497	35	1	2 7		28	1 2 7
568	40	1	2 8		32	1 2 8
710	50	1	2 10		40	1 2 10
852	60	1	3 12		48	1 3 12
994	70	1	3 14		56	1 3 14
1136	80	1	4 16		64	1 4 16
1349	95	1	4 19		76	1 4 19

NOTE! Emptying of the septic tank 2 times a year

NOTE! Septic tank must be with 3 chambers

Septic tank is chosen according to the table "Dimensioning the septic tank and infiltration"

Example with 67 persons: The capacity of the septic tank will be 25 m³. Quantity of the infiltration and drainage pipe lines constructed as drainage ditches for sand filtration will be 15. Distribution and collector wells: 1 + 3. Drainage pipes in sand filtration constructed as a field: 12.