



Dimensioning the septic tank and infiltration
Grey wastewaters of households, 1 - 560 persons

Persons qty		
1	-	9
10	-	16
17	-	22
23	-	27
28	-	33
34	-	41
42	-	55
56	-	68
69	-	82
83	-	109
110	-	136
137	-	164

165	-	180
181	-	209
210	-	239
240	-	279
280	-	319
320	-	379
380	-	419
420	-	459
460	-	499
500	-	559

Septic tank Dimensioning value 110 l/person/d	
Capacity m3	Max. wastewater amount l/d
2	1000
3	1800
4	2400
5	3000
6	3600
7.5	4500
10.0	6000
12.5	7500
15.0	9000
20.0	12000
25.0	15000
30.0	18000

30.0	20000
30.0	23000
40.0	26500
45.0	31000
50.0	35000
55.0	42000
60.0	46000
70.0	51000
75.0	55000
80.0	62000

Dimensioning infiltration Field percolation capacity 30 l/m ² /d				
Infiltration pipe (Infiltration area) m (m ²)	Pipe lines qty (á 14.2 m)	Distribution wells qty		
28.4	2	1		
56.8	4	1		
71	5	1		
85.2	6	1	2	
113.6	8	1	2	
142	10	1	2	
170.4	12	1	3	
227.2	16	1	4	
284	20	1	4	
355	25	1	5	
426	30	1	2	6
568	40	1	2	8

639	45	1	2	9
710	50	1	2	10
852	60	1	3	12
994	70	1	3	14
1136	80	1	4	16
1420	100	1	4	20
1491	105	1	5	21
1618.8	114	1	5	23
1775	125	1	5	25
2059	145	2	6	30

NOTE! Emptying of the septic tank 2 times a year
NOTE! Septic tank either with 2 or 3 chambers

Example with 42 persons: The capacity of the septic tank will be 10 m³. 12 Infiltration pipe lines for infiltration and distribution wells 1 + 3.

