



Dimensioning the septic tank and infiltration
All wastewaters of households, 1 - 420 persons

Persons qty		
1	-	6
7	-	10
11	-	13
14	-	16
17	-	20
21	-	25
26	-	33
34	-	41
42	-	50
51	-	66
67	-	83
84	-	100

Septic tank Dimensioning value 150 l/person/d	
Capacity m3	Max. wastewater amount l/d
2	1000
3	1500
4	2000
5	2500
6	3000
7.5	3750
10.0	5000
12.5	6250
15.0	7500
20.0	10000
25.0	12500
30.0	15000

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
42.6	3	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
213	15	1 3
284	20	1 4
355	25	1 5
426	30	1 2 6

101	-	116
117	-	133
134	-	166
167	-	200
201	-	233
234	-	266
267	-	300
301	-	333
334	-	366
367	-	420

30.0	17500
30.0	20000
40.0	25000
45.0	30000
50.0	35000
55.0	40000
60.0	45000
70.0	50000
75.0	55000
80.0	65000

497	35	1 2 7
568	40	1 2 8
710	50	1 2 10
852	60	1 3 12
994	70	1 3 14
1136	80	1 4 16
1349	95	1 4 19
1491	105	1 5 21
1618.8	114	1 5 23
1775	125	1 5 25

NOTE! Emptying of the septic tank 2 times a year
NOTE! Septic tank must be with 3 chambers

Example with 67 persons: The capacity of the septic tank will be 25 m³. Infiltration pipe lines for infiltration: 25 and 1 + 5 distribution wells.