



**Dimensioning sand filtration**  
**Grey wastewaters of households, 1 - 620 persons**

Persons		
qty		
1	-	13
14	-	20
21	-	27
28	-	34
35	-	41
42	-	54
55	-	68
69	-	81
82	-	102
103	-	135

136	-	166
167	-	199
200	-	235
236	-	269
270	-	329
330	-	389
390	-	459
460	-	530
531	-	620

Dimensioning sand filtration						
Soil percolation capacity 50 l/m <sup>2</sup> /d						
Drainage ditches				Field		
Infiltration/drainage pipe	Pipe lines	Distribution/collector wells		Drainage pipe lines	Collector wells	
m (m <sup>2</sup> )	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 either with 2 or 3 chambers**

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

*Example with 42 persons:* The capacity of the septic tank will be 10 m<sup>3</sup>. Quantity of the infiltration and drainage pipe lines constructed as drainage ditches for sand filtration will be 8. Distribution and collector wells: 1 + 2. Drainage pipes in sand filtration constructed as a field: 6.