

apartmens extraction

apartment no.5	Area m2	ventilation rate l/s	q m3/s	q m3/h	d needed	d chosen	branch d.
bathroom	12,37	15	0,015	54	87,42604	80	
kitchen	10,82	20	0,02	72	100,9509	100	120,6594
living room	31,04	20	0,02	72	100,9509	100	
	total: 55 l/s						125

apartment no.4							
bathroom	6,98	20	0,02	72	10,09509	100	
kitchen	16,64	20	0,02	72	10,09509	100	147,777
living room	48,36	20	0,02	72	10,09509	100	
	total: 60 l/s						155

apartmant no. 3							
bath	6,52	15	0,015	54	8,742604	80	
kitchen	13,8	20	0,02	72	10,09509	100	141,4857
living room	40	20	0,02	72	10,09509	100	
	total: 55l/s						155

apartment no.2							
bathroom	6,98	20	0,02	72	10,09509	100	
kitchen	16,64	20	0,02	72	10,09509	100	147,777
living room	48,36	20	0,02	72	10,09509	100	
	total: 60 l/s						155

apartmant no. 1							
bath	6,52	15	0,015	54	8,742604	80	
kitchen	13,8	20	0,02	72	10,09509	100	141,4857
living room	40	20	0,02	72	10,09509	100	
	total: 55l/s						155

apartmens inlet

	Area	ventilation rate	q	q			
apartment no.5	m2	l/s	m3/s	m3/h	d needed	d chosen	branch d.
bathroom	12,37	10	0,01	36	7,138306	80	127,9786
kitchen	10,82	10	0,01	36	7,138306	80	
living room	31,04	10	0,01	36	7,138306	80	
south badroom	18,99	12,5	0,0125	45	7,980869	80	
north badroom	19,2	12,5	0,0125	45	7,980869	80	
total: 55 l/s							125
apartment no.4							
bathroom	6,98	10	0,01	36	7,138306	80	147,777
kitchen	16,64	10	0,01	36	7,138306	80	
living room	48,36	10	0,01	36	7,138306	80	
n	10,13	10	0,01	36	7,138306	80	
n2	19,8	10	0,01	36	7,138306	80	
s	25,5	10	0,01	36	7,138306	80	
total: 60l/s							155
apartment no.3							
bath	6,52	10	0,01	36	7,138306	80	141,4857
kitchen	13,8	10	0,01	36	7,138306	80	
living room	40	10	0,01	36	7,138306	80	
n	10	12,5	0,0125	45	7,980869	80	
n2	12,2	12,5	0,0125	45	7,980869	80	
total: 55l/s							155
apartment no.2							
bathroom	6,98	10	0,01	36	7,138306	80	147,777
kitchen	16,64	10	0,01	36	7,138306	80	
living room	48,36	10	0,01	36	7,138306	80	
n	10,13	10	0,01	36	7,138306	80	
n2	19,8	10	0,01	36	7,138306	80	
s	25,5	10	0,01	36	7,138306	80	
total: 60l/s							155
apartment no.1							
bath	6,52	10	0,01	36	7,138306	80	141,4857
kitchen	13,8	10	0,01	36	7,138306	80	
living room	40	10	0,01	36	7,138306	80	
badroom	10	12,5	0,0125	45	7,980869	80	
badroom 2	12,2	12,5	0,0125	45	7,980869	80	
total: 55l/s							155

Penthouse extraction					
kitchen	15	0,015	54	8,742604	100
bathroom	20	0,02	72	10,09509	100