

Barrier® S Capacity table, calculated*

System type		Barrier® S 5	Barrier® S 10	Barrier® S 20	Barrier® S 50	Barrier® S 70	Barrier® S 130	Barrier® S 160	Barrier® S 220
Connection		R 1"	R 1 1/2"	DN 65	DN 80	DN 100	DN 150	DN 150	DN 200
Lamp type		WTS 45	WTS 90	WTS 300	WTS 300	WTS 300	WTS 300	WTS 400	WTS 400
Number of lamps		1	1	1	2	3	4	3	4
T _{10mm}	SSK/m	[m ³ /h]	[m ³ /h]	[m ³ /h]	[m ³ /h]	[m ³ /h]	[m ³ /h]	[m ³ /h]	[m ³ /h]
97.8%	0.97	6.4	12.3	38.5	87.5	162	263	264	428
97.5%	1.08	6.3	12.1	38.0	86.3	159	258	259	420
97.3%	1.19	6.2	12.0	37.6	85.2	157	253	255	411
97.0%	1.31	6.1	11.9	37.3	84.2	155	248	251	403
96.8%	1.43	6.1	11.8	37.0	83.3	153	243	248	396
96.5%	1.55	6.0	11.7	36.8	82.4	150	239	244	389
96.2%	1.67	6.0	11.6	36.5	81.6	148	234	241	381
95.9%	1.80	5.9	11.5	36.2	80.7	146	230	238	374
95.6%	1.94	5.9	11.4	36.0	79.8	144	226	234	367
95.3%	2.08	5.8	11.3	35.7	78.8	142	221	231	359
95.0%	2.22	5.8	11.2	35.3	77.9	140	216	227	352
94.7%	2.37	5.7	11.0	35.0	76.8	137	212	223	344
94.4%	2.52	5.6	10.9	34.6	75.7	135	207	219	337
94.0%	2.68	5.6	10.8	34.2	74.6	132	202	215	329
93.7%	2.84	5.5	10.6	33.8	73.5	130	198	211	322
93.3%	3.01	5.4	10.5	33.3	72.3	127	193	207	314
92.9%	3.19	5.3	10.3	32.9	71.1	125	188	203	306
92.5%	3.37	5.3	10.2	32.5	69.9	122	184	199	299
92.1%	3.57	5.2	10.0	32.0	68.7	120	179	194	291
91.7%	3.77	5.1	9.9	31.6	67.5	117	174	190	284
91.2%	3.98	5.0	9.7	31.2	66.4	115	170	186	276
90.8%	4.20	5.0	9.6	30.7	65.2	112	166	182	269
90.3%	4.44	4.9	9.5	30.3	64.1	110	161	178	262
89.8%	4.69	4.8	9.3	29.9	62.9	107	157	174	255
89.2%	4.95	4.7	9.2	29.5	61.8	105	152	170	248
88.7%	5.23	4.7	9.0	29.0	60.6	102	148	166	241
88.0%	5.53	4.6	8.9	28.6	59.3	100	144	162	233
87.4%	5.85	4.5	8.7	28.0	58.0	97	139	158	226
86.7%	6.20	4.4	8.5	27.5	56.5	94	134	153	218
85.9%	6.58	4.3	8.3	26.8	54.8	91	129	148	209
85.1%	6.99	4.1	8.0	25.9	52.9	87	123	143	200
84.2%	7.45	4.0	7.7	24.9	50.6	83	117	136	190
83.3%	7.96	3.8	7.3	23.7	48.0	78	110	128	178
82.2%	8.54	3.5	6.8	22.2	44.8	73	101	119	165
80.9%	9.21	3.2	6.2	20.4	40.9	66	92	109	149
79.4%	10.00	2.9	5.6	18.2	36.4	59	81	96	132
78.6%	10.46	2.7	5.2	16.9	33.8	54	75	88	122
77.7%	10.97	2.4	4.7	15.5	30.9	50	68	80	111
76.6%	11.55	2.2	4.3	14.0	27.8	45	61	72	100
75.5%	12.22	1.9	3.7	12.3	24.4	39	54	62	87
74.1%	13.01	1.6	3.2	10.4	20.7	33	45	52	74
73.3%	13.47	1.5	2.9	9.4	18.7	30	41	46	67
72.5%	13.98	1.3	2.6	8.4	16.7	27	37	40	59
71.5%	14.56	1.2	2.2	7.3	14.5	23	32	34	52
70.4%	15.23	1.0	1.9	6.2	12.3	20	27	28	44
69.2%	16.02	0.8	1.5	5.0	10.0	16	22	21	36
67.6%	16.99	0.6	1.2	3.8	7.5	12	17	14	27
65.7%	18.24	0.4	0.8	2.5	x	8	11	7	18
63.1%	20.00	0.2	0.4	1.2	x	4	6	3	9

 Fluence 400 J/m² calculated. Medium temperature: has effect on the disinfection efficiency - take into account during system selection.

* with Multi Point Source Summation Method (MPSSM).

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