

Barrier® S Capacity table ÖVGW

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	4.32	9.5	23.6	59.3	86.9	133.0	193.5	240.1
97.5%	1.08	4.32	9.5	23.6	59.3	86.9	133.0	193.5	240.1
97.3%	1.19	4.32	9.5	23.6	59.3	86.9	133.0	193.5	240.1
97.0%	1.31	4.32	9.5	23.6	59.3	86.9	133.0	193.5	240.1
96.8%	1.43	4.32	9.5	23.6	59.3	86.9	133.0	193.5	240.1
96.5%	1.55	4.32	9.5	23.6	59.3	86.9	133.0	193.5	240.1
96.2%	1.67	4.23	9.3	23.1	58.1	85.1	130.2	189.0	231.8
95.9%	1.80	4.14	9.2	22.7	56.8	83.3	127.1	184.5	224.0
95.6%	1.94	4.04	9.1	22.2	55.5	81.5	123.9	180.1	216.5
95.3%	2.08	3.95	8.9	21.7	54.2	79.6	120.7	175.6	209.3
95.0%	2.22	3.86	8.8	21.2	52.9	77.7	117.3	171.2	202.3
94.7%	2.37	3.77	8.6	20.7	51.6	75.8	114.0	166.8	195.7
94.4%	2.52	3.68	8.5	20.2	50.3	73.9	110.6	162.3	189.3
94.0%	2.68	3.59	8.3	19.7	49.0	71.9	107.3	157.9	183.2
93.7%	2.84	3.51	8.2	19.3	47.7	70.0	103.9	153.5	177.3
93.3%	3.01	3.42	8.0	18.8	46.4	68.0	100.6	149.1	171.6
92.9%	3.19	3.33	7.9	18.3	45.1	66.1	97.3	144.7	166.0
92.5%	3.37	3.24	7.7	17.8	43.8	64.1	94.1	140.3	160.7
92.1%	3.57	3.16	7.6	17.3	42.5	62.1	90.9	135.9	155.5
91.7%	3.77	3.07	7.4	16.7	41.2	60.2	87.7	131.5	150.4
91.2%	3.98	2.99	7.2	16.2	39.8	58.2	84.5	127.1	145.4
90.8%	4.20	2.90	7.0	15.7	38.5	56.2	81.4	122.7	140.5
90.3%	4.44	2.82	6.9	15.2	37.1	54.2	78.3	118.3	135.7
89.8%	4.69	2.73	6.7	14.7	35.8	52.2	75.2	114.0	131.0
89.2%	4.95	2.64	6.5	14.2	34.4	50.2	72.2	109.6	126.3
88.7%	5.23	2.56	6.3	13.6	33.1	48.2	69.1	105.2	121.6
88.0%	5.53	2.48	6.1	13.1	31.7	46.2	66.1	100.8	116.9
87.4%	5.85	2.39	5.9	12.5	30.3	44.2	63.0	96.5	112.2
86.7%	6.20	2.31	5.6	12.0	29.0	42.1	60.0	92.1	107.4
85.9%	6.58	2.24	5.4	11.4	27.6	40.0	56.9	87.7	102.5
85.1%	6.99	2.16	5.2	10.8	26.1	37.8	53.8	83.2	97.6
84.2%	7.45	2.08	4.9	10.3	24.7	35.6	50.7	78.8	92.5
83.3%	7.96	2.01	4.6	9.7	23.3	33.4	47.6	74.3	87.3
82.2%	8.54	1.94	4.4	9.0	21.9	31.0	44.4	69.8	81.8
80.9%	9.21	1.88	4.0	8.4	20.4	28.6	41.2	65.3	76.0
79.4%	10.00	1.82	3.7	7.7	18.9	26.1	37.9	60.6	69.8
78.6%	10.46	x	3.5	7.4	18.2	24.8	x	58.3	x
77.7%	10.97	x	3.3	7.0	17.4	23.4	x	55.9	x
76.6%	11.55	x	3.1	6.7	x	22.0	x	53.5	x
75.5%	12.22	x	2.9	6.3	x	x	x	x	x
74.1%	13.01	x	2.7	x	x	x	x	x	x
73.3%	13.47	x	x	x	x	x	x	x	x
72.5%	13.98	x	x	x	x	x	x	x	x
71.5%	14.56	x	x	x	x	x	x	x	x
70.4%	15.23	x	x	x	x	x	x	x	x
69.2%	16.02	x	x	x	x	x	x	x	x
67.6%	16.99	x	x	x	x	x	x	x	x
65.7%	18.24	x	x	x	x	x	x	x	x
63.1%	20.00	x	x	x	x	x	x	x	x

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



eVOQUA

WATER TECHNOLOGIES

Technical Data Sheet
Barrier S UV System
WT.090.390.003.DE.DS.0715

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