

VGE Pro UV INOX LP systems

VGED008-GB210



VGE Pro INOX 600-219

The VGE Pro LP product series consists of a complete range of industrial UV-C disinfection systems that can treat water from 0.5 m³/h to 550 m³/h per system. In addition to a basis of reliable and efficient water disinfection, the VGE Pro INOX range offers stainless steel 316L irradiation chambers, SPT lamp connection and mounting, amalgam lamps with a service life of 16,000 hours and the possibility for systems according to customer specifications.

In addition to various irradiation chamber designs such as the U, Z and L design, there is also a choice of different control panels that are all equipped with electronic lamp power supplies. The following versions of control panels are available:

- **Basic**, simple on/off control of the lamp drivers (Basic B: with lamp status);
- **Control Timer**, as the Basic with digital LED remaining lamp life counter;
- **Control Monitor**, colour display, hours counter, flow switch input. Optional UV sensor with limit control/signalling and 4-20 mA UV output signal;
- **Control Monitor Plus**, as the Control Monitor with lamp status indication, remote on/off input. Optional water temperature sensor with limit control/signalling.



Control Monitor Plus control panel

Advantages VGE Pro LP product series

- RVS 316L or HDPE irradiation chambers;
- Visual lamp function control on the irradiation chamber;
- Smart Pin Technology (SPT) for easy and safe lamp replacement;
- Low pressure (LP) amalgam UV lamps with a lamp life of 16,000 hours;
- Possibility of customer-specific adjustments.

VGE Pro UV INOX LP product and application overview

Model	Shape	Pressure	Capacity ⁽¹⁾	Number of lamps	Power	Suitable for water quality ⁽²⁾		
		[bar]	[m ³ /h]		[kW]	Good	Medium	Bad
400-54	Z	6 bar	18	1 x 400 W	0,42		✓	✓
40-76	L	6 bar	3	1 x 40 W	0,05	✓	✓	
75-76	L	6 bar	6	1 x 75 W	0,08		✓	
140-76	U	6 bar	12	1 x 140 W	0,16	✓	✓	
200-76	U	6 bar	17	1 x 200 W	0,23	✓	✓	
75-114	U	6 bar	10	1 x 75 W	0,08	✓	✓	
140-114	U	6 bar	20	1 x 140 W	0,16	✓	✓	
200-154	U	6 bar	38	1 x 200 W	0,23	✓		
420-168	U	6 bar	78	3 x 140 W	0,47	✓	✓	
400-204	U	6 bar	92	2 x 200 W	0,45	✓		
600-219	U	6 bar	140	3 x 200 W	0,68	✓		
975-306	L	6 bar	306	3 x 325 W	1,11	✓		
1950-306	L	6 bar	600	6 x 325 W	2,21	✓		

Power supply for all models: 1/N/PE 230 Vac 50/60 Hz

⁽¹⁾ Capacity based on 400 J/m², T_{10 nm} @ 254 nm = 98 %, MPSSM-average intensity (max. flow speed of 3 m/s not included)

⁽²⁾ Water quality based on water transmittance, T_{10 nm} @ 254 nm: Good = 100 % - 80 %, Medium = 80 % - 50 %, Bad < 50 %

VGE Pro UV INOX LP systems

VGED008-GB210

VGE Pro UV INOX LP irradiation chamber dimensions

Type	Figure	Weight dry	Weight wet	A	B	C	D	E	F	G	H	I	J	K	L	M	N
		[kg]	[kg]	[mm]													
400-54	1	6	8	34	1909	33	54	1975	60	2040	DN25 tri clamp	109	1/4" BSP female	18	54	105	53
400-76	1	8	11	34	1909	33	76	1975	60	2040	2" tri clamp	109	1/4" BSP female	18	76	130	65
40-76	2	3	4	30	350	20	76	370	60	420	3/4" BSP male	109	-	-	76	100	65
75-76	2	4	6	30	645	20	76	655	60	705	1 1/2" BSP male	109	-	-	76	100	65
140-76	3	5	8	60	755	35	76	850	60	905	2" BSP male	109	-	-	76	108	70
200-76	3	6	10	60	1000	40	76	1100	60	1150	2" BSP male	109	-	-	76	108	70
75-114	3	9	16	60	750	40	114	850	60	905	2" BSP male	109	1/2" BSP female	47,5	114	152	95
140-114	3	9	16	60	750	40	114	850	60	905	2" BSP male	109	1/2" BSP female	47,5	114	152	95
420-168	3	17	32	63	730	58	168	850	60	905	3" BSP male	109	1/2" BSP female	50	168	236	140
200-154	4	19	38	100	900	100	154	1100	60	1150	DN65 1	109	1/2" BSP female	50	190	323	160
400-204	4	26	59	125	850	125	204	1100	60	1150	DN100 1	109	1/2" BSP female	50	210	370	180
600-219	4	37	75	125	850	125	219	1100	60	1150	DN125 1	109	1/2" BSP female	50	240	380	180
975-306	5	69	179	-	1446	159	306	1616	60	1635	DN250 2	109	1" BSP female	138	405	520	275
1950-306	5	77	183	-	1446	159	306	1616	60	1635	DN250 2	109	1" BSP female	138	405	520	275

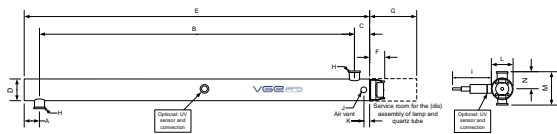


Figure 1

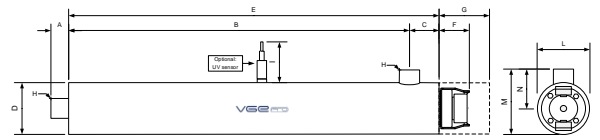


Figure 2

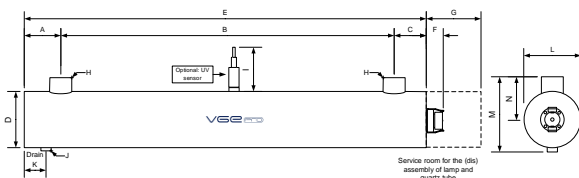


Figure 3

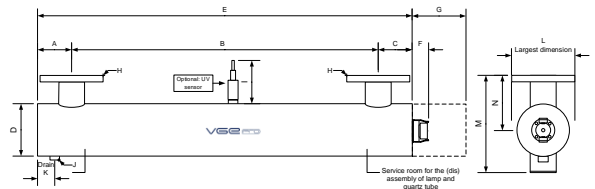


Figure 4

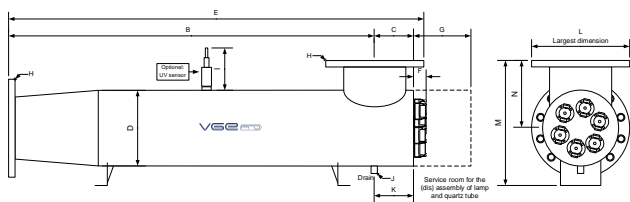


Figure 5

VGE Pro UV INOX LP systems

VGED008-GB210

VGE Pro UV INOX LP available and dimensions control panels (height x width x depth, X x Y x Z)

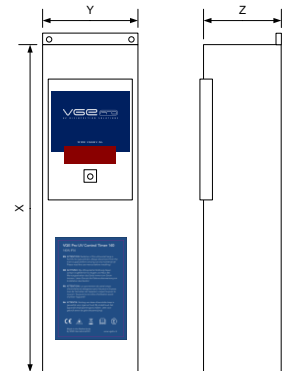
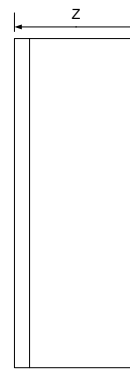
Type	Basic			Control Timer		Control Monitor		Control Monitor Plus		
Material	Aluminium + ASA	A		ABS		PC		coated steel		
	ABS	B		[mm]	[kg]	[mm]	[kg]	[mm]	[kg]	
	[mm]	model	[kg]	[mm]	[kg]	[mm]	[kg]	[mm]	[kg]	
INOX	400-54	OEM solution								
	40-76	340 x 75 x 35	A	1,1	350 x 100 x 80	1,4	300 x 295 x 110	2,9	-	-
	75-76	340 x 75 x 35	A	1,1	350 x 100 x 80	1,4	300 x 295 x 110	2,9	-	-
	140-76	640 x 75 x 35	A	2,0	350 x 100 x 80	1,2	300 x 295 x 110	2,7	400 x 300 x 160	8,3
	200-76	340 x 150 x 125	B	2,7	-	-	300 x 295 x 110	3,1	400 x 300 x 160	8,3
	400-76	-	-	-	-	-	-	-	-	-
	75-114	340 x 75 x 35	A	1,1	350 x 100 x 80	1,4	300 x 295 x 110	2,9	-	-
	140-114	640 x 75 x 35	A	2,0	350 x 100 x 80	1,2	300 x 295 x 110	2,7	450 x 300 x 210	10,6
	200-154	340 x 150 x 125	B	2,7	-	-	300 x 295 x 110	3,1	450 x 300 x 210	10,6
	420-168	378 x 278 x 180	B	3,8	-	-	300 x 295 x 110	3,2	450 x 300 x 210	10,6
	400-204	378 x 278 x 180	B	3,1	-	-	-	-	450 x 300 x 210	10,6
	600-219	558 x 378 x 180	B	8,0	-	-	-	-	450 x 300 x 210	10,6
	975-306	558 x 378 x 180	B	8,5	-	-	-	-	600 x 400 x 400	29,5
	1950-306	2 x 558 x 378 x 180	B	2 x 8,5	-	-	-	-	600 x 400 x 400	32,5



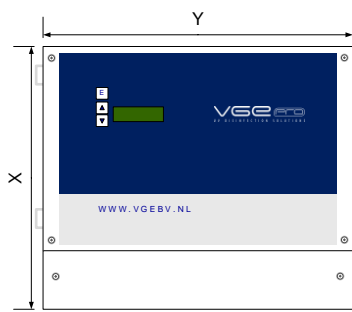
Basic A



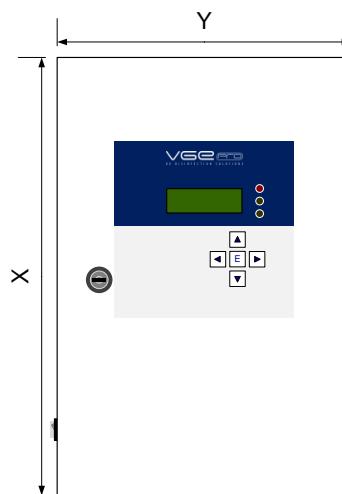
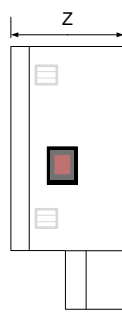
Basic B



Control Timer



Control Monitor



Control Monitor Plus