UV DISINFECTION SOLUTIONS

DATASHEET

MEMBER OF: Sinvest Group BV

VGE Pro UV INOX MP systems

VGED011-GB230



VGE Pro UV INOX MP 600-85

The VGE Pro UV INOX MP product series consists of a range of industrial UV-C systems that can for instance be used for the disinfection of water or for chloramine reduction in pool applications. In addition to a basis of reliable and efficient water treatment, the VGE Pro INOX MP range offers stainless steel 316L irradiation chambers, SBT lamp connection and mounting, medium pressure UV lamps with a service life of 9,000 hours.

The very compact irradiation chamber design makes is easy to retrofit in an existing water treatment system but also to implement in newly to build water treatment systems. Each system has a standard available high-temperature sensor on the chamber and in the control panel for extra safety.



MultiMax



VGE Pro UV INOX MP 2000-219

Advantages VGE Pro UV INOX MP product series

- RVS 316L irradiation chambers;
- Visual lamp function control on the irradiation chamber;
- Single-end Bayonet Technology (SBT) for easy and safe lamp replacement;
- Medium pressure (MP) UV lamps with a lamp life of 9,000 hours;
- Possibility of customer-specific adjustments.

There is a choice of different control panels that are all equipped with high efficient electronic lamp power supplies.
The following versions of control panels are available:



Comfort control panel

- **Compact** (for MultiMax and MP 600-85), simple on/off control of the lamp driver with LED lamp life indicator;
- **Comfort** (not for MultiMax), LCD display, membrane keyboard, hours counter, lamp status indication, remote on/off input, flow switch input.
- Optional:
  - UV sensor with limit control/signalling;
  - Water temperature sensor with limit control/signalling.



Compact control panel

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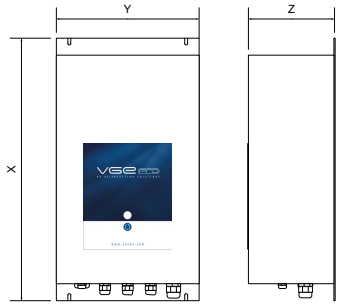
VGE Pro UV INOX MP product and application overview

Model	Shape	Max. pressure	Capacity		Number of lamps	Power consumption	Water quality (3)		
			Disinfection (1)	Chloramine reduction (2)					
		[bar]	[m³/h]	[m³/h]		[kW]	good	medium	bad
MultiMax	inline	10	13	8	1 x 400 W	0,43	✓	✓	
600-85	inline	10	19	12	1 x 600 W	0,66	✓	✓	✓
1200-85	inline	10	39	24	2 x 600 W	1,33	✓	✓	✓
1000-104	inline	10	41	25	1 x 1000 W	1,30	✓	✓	
1500-168	inline	10	107	62	1 x 1500 W	1,83	✓		
2000-219	inline	10	178	100	1 x 2000 W	2,36	✓		
2500-256	inline	10	257	140	1 x 2500 W	2,88	✓		
3000-324	inline	10	362	192	1 x 3000 W	3,41	✓		
Power supply voltage for all models: 1/N/PE, 230 Vac, 50/60 Hz									

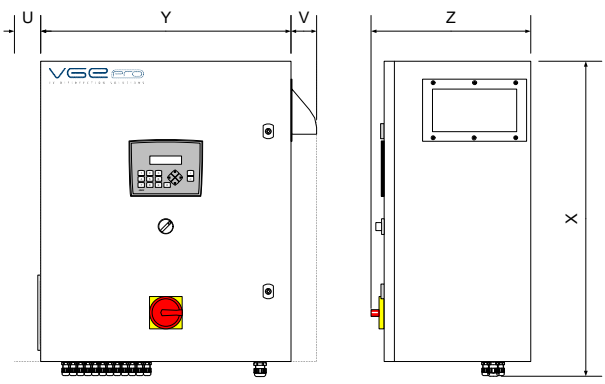
(1) Capacity based on 400 J/m², $T_{10\ mm\ @\ 254\ nm}$ = 98 %, MPSSM-average intensity (max. flow speed of 3 m/s not taken into account)
(2) Capacity based on 600 J/m², $T_{10\ mm\ @\ 254\ nm}$ = 95 %, MPSSM-average intensity (max. flow speed of 3 m/s not taken into account)
(3) Water quality based on transmittance, $T_{10\ mm\ @\ 254\ nm}$: goed = 100 % - 80 %, Medium = 80 % - 50 %, Slecht < 50 %

VGE Pro UV INOX MP dimensions control panels

VGE Pro UV INOX	Besturing											
	Compact					Comfort						
	X	Y	Z			X	Y	Z	U	V		
	[mm]	[mm]	[mm]	[kg]	IP	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	IP
									Free space for cooling			
MultiMax	460	250	150	4	65	-	-	-	-	-	-	-
600-85	460	250	150	4	65	630	500	245	0	0	23,0	65
1200-85	-	-	-	-	-	630	500	245	55	55	24,0	54
1000-104	-	-	-	-	-	630	500	320	55	55	32,0	54
1500-168	-	-	-	-	-	630	500	320	55	55	32,0	54
2000-219	-	-	-	-	-	630	500	320	55	55	32,0	54
2500-256	-	-	-	-	-	630	500	320	55	55	32,0	54
3000-324	-	-	-	-	-	630	500	320	55	55	32,0	54



MultiMax and Compact



Comfort

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VGE Pro UV INOX MP irradiation chamber dimensions

Type	Figure	Maximum working pressure	Connection	Weight dry	Weight wet	A	B	C	D	E	F	G	H	I	J
		[bar]		[kg]	[kg]	[mm]									
MultiMax	1	10	2" male	2	3	250	156	115	135	85	91	230	2"	-	86
600-85	2	10	DN80	11	14	245	280 +/- 4	115	140	85	200	240	DN80	109	-
1200-85	3	10	DN80	13	18	245	460 +/- 4	115	140	85	200	240	DN80	109	-
1000-104	4	10	DN100	12	15	267	250 +/- 4	119	148	104	220	240	DN100	109	-
1500-168	4	10	DN150	18	25	316	300 +/- 4	142	174	168	285	290	DN150	109	-
2000-219	4	10	DN200	25	36	369	300 +/- 4	170	199	219	340	340	DN200	109	-
2500-256	4	10	DN250	36	51	420	300 +/- 4	223	197	256	359	390	DN250	109	-
3000-324	4	10	DN300	40	63	465	312 +/- 4	214	251	324	445	440	DN300	109	-

Figure 1

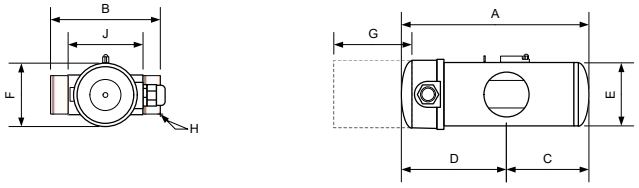


Figure 2

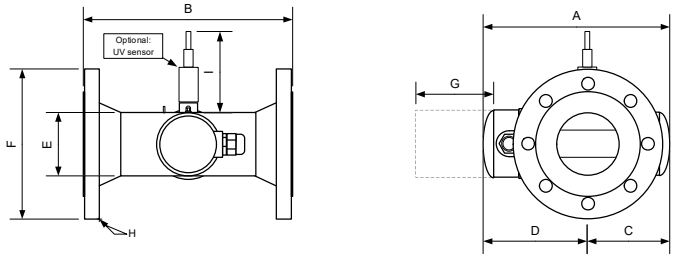


Figure 3

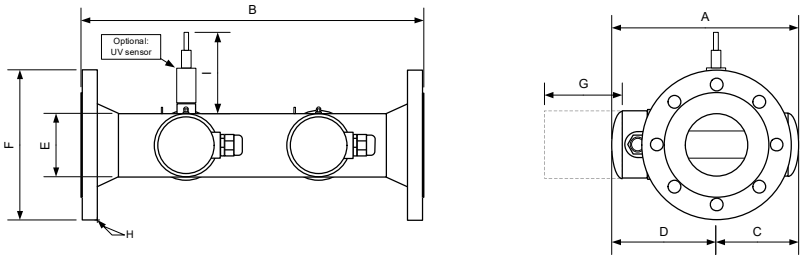


Figure 4

