

# VGE Pro UV systems

## Product overview Medium Pressure Lamp UV

A Medium Pressure Lamp UV system is always composed of a UV irradiation chamber and a control panel. The irradiation chamber is equipped with one medium pressure UV lamp which combines a compact design with a high lamp power. An inline design of the irradiation chamber has been chosen with a UV lamp placed perpendicular to the direction of the flow. This in order to obtain a good irradiation of the water in combination with a very low hydraulic pressure loss. The design choice of the irradiation chamber in combination with the medium pressure UV lamp is tailored to the application to realize the best possible water treatment result, disinfection or chloramine reduction wise.



### MULTIMAX

The MultiMax is a perfect choice for private pools. The 2" BSPT male thread makes it easy to install in a pool system. It's provided with a 400 W single ended lamp.



### 600-85 COMPACT

The 600-85 Compact is equipped with a 600 W UV lamp, therefore it is more powerful than the MultiMax. In combination with the DN80 flange connections the system is suitable for (semi) public and professional installations.



### 600-85 COMFORT

The 600-85 Comfort is equipped with a 600 W UV lamp and is suitable for a UV sensor, temperature sensor or ModBus. In combination with the DN80 flange connections the system is suitable for (semi) public and professional installations.

Contact us for your perfect UV treatment solution and one of our specialists will advise you about the best solution for your application.

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## Medium Pressure Lamp UV

The VGE Pro product range has low pressure and medium pressure UV lamp based systems. The medium pressure UV lamps emits a wide spectrum of Ultraviolet (UV) light which not only gives very good disinfection results but is also excellent for photolysis applications like the reduction of chloramine in pool applications. The single ended lamp in combination with the S.B.T. and the on-chamber visual lamp status indication makes the systems extremely user friendly. We offer three different systems with medium pressure UV lamps: MultiMax, 600-85 Compact and the 600-85 Comfort.

### SINGLE END BAYONET TECHNOLOGY (S.B.T.)

The lamp base is equipped with a bayonet technology closure. The lamp itself is single-ended which not only makes it easy to install and replace but also requires service space at only one side of the irradiation chamber.

### ADVANTAGES

- Compact chamber design
- Easy to (re)place single-ended lamp
- Visual lamp indication in the lamp head
- Fast lamp (re)placement without tools
- Glass bead-blasted chamber of 316L stainless steel
- Cross flow irradiation chamber design with low pressure loss
- Electronic lamp power supply
- Long lamp life
- Internal irradiation chamber finish is RA 0,8 µm
- Less use of chemicals
- Effective chloramine reduction

VGE Pro UV INOX MP	MultiMax	600-85 Compact	600-85 Comfort
Housing	SS 316L	SS 316L	SS 316L
Housing shape	Inline	Inline	Inline
Max. working pressure	10 bar	10 bar	10 bar
Connections	2" BSPT male thread	DN80 flange	DN80 flange
UV-C lamp type	Medium pressure	Medium pressure	Medium pressure
Number of lamps	1	1	1
Lamp power	400 W	600 W	600 W
Lamp power supply	Electronic ballast	Electronic ballast	Electronic ballast
Lamp life	9000 h	9000 h	9000 h
Flow rate range	1 - 22 m³/h	1 - 22 m³/h	1 - 22 m³/h
Featuring	Single ended lamp Compact controller Interlock remote control LED lamp life indication	Single ended lamp Compact controller Interlock remote control LED lamp life indication	Single ended lamp Comfort controller Remote control Optional UV sensor Optional temperature sensor Optional ModBus

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