

UV

HDPE Low Pressure
UV Lamp Systems



BENEFITS HDPE UV

The high quality HDPE treatment chamber. of VGE Pro HDPE series have been designed to treat highly corrosive water. Besides that, HDPE is resistant to UV radiation. They are suited for all kinds of disinfection and UV-C treatment applications and can even be used for the production of ultrapure water, semiconductor-, pharmaceutical- and cosmetic industry.



- UV radiation resistant
- Suitable for corrosive water
- Easy to install
- Optional digital teflon UV-C sensor and HDPE water temperature sensor

SMART PIN TECHNOLOGY (SPT)

The VGE Pro UV-C Disinfection systems are equipped with the unique Smart Pin Technology (SPT). This innovative system is a reliable way to integrate the UV-C lamp(s) in a safe, efficient and smart way in a reactor. The SPT makes it possible to replace the lamp safely, although the system is filled with water and pressurized.

- Prevents the release of harmful UV-C radiation
- Changing the UV-C lamp with water in the system
- Splash proof
- Visual inspection for operation of the lamp
- Clamping system for optimal seal function
- Lamp replacement without tools

TECHNICAL SPECIFICATION

Model	Connection	Capacity* [m³/h]	Number of lamps	Power (kW)
75-110	2"	10	1 x 75 W	0.08
140-110	2"	17	1 x 140 W	0.16
200-110	2"	23	1 x 200 W	0.23
200-160	DN65	35	1 x 200 W	0.23
400-200	DN100	83	2 x 200 W	0.45
600-225	DN125	124	3 x 200 W	0.68
975-315	DN250	278	3 x 325 W	1.11
1950-315	DN250	544	6 x 325 W	2.21

*Capacity based on 400 J/m², T10 mm @ 254 nm = 98 %, MPSSM-average intensity (max. flow speed of 3 m/s not included)