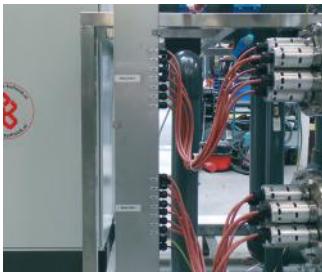
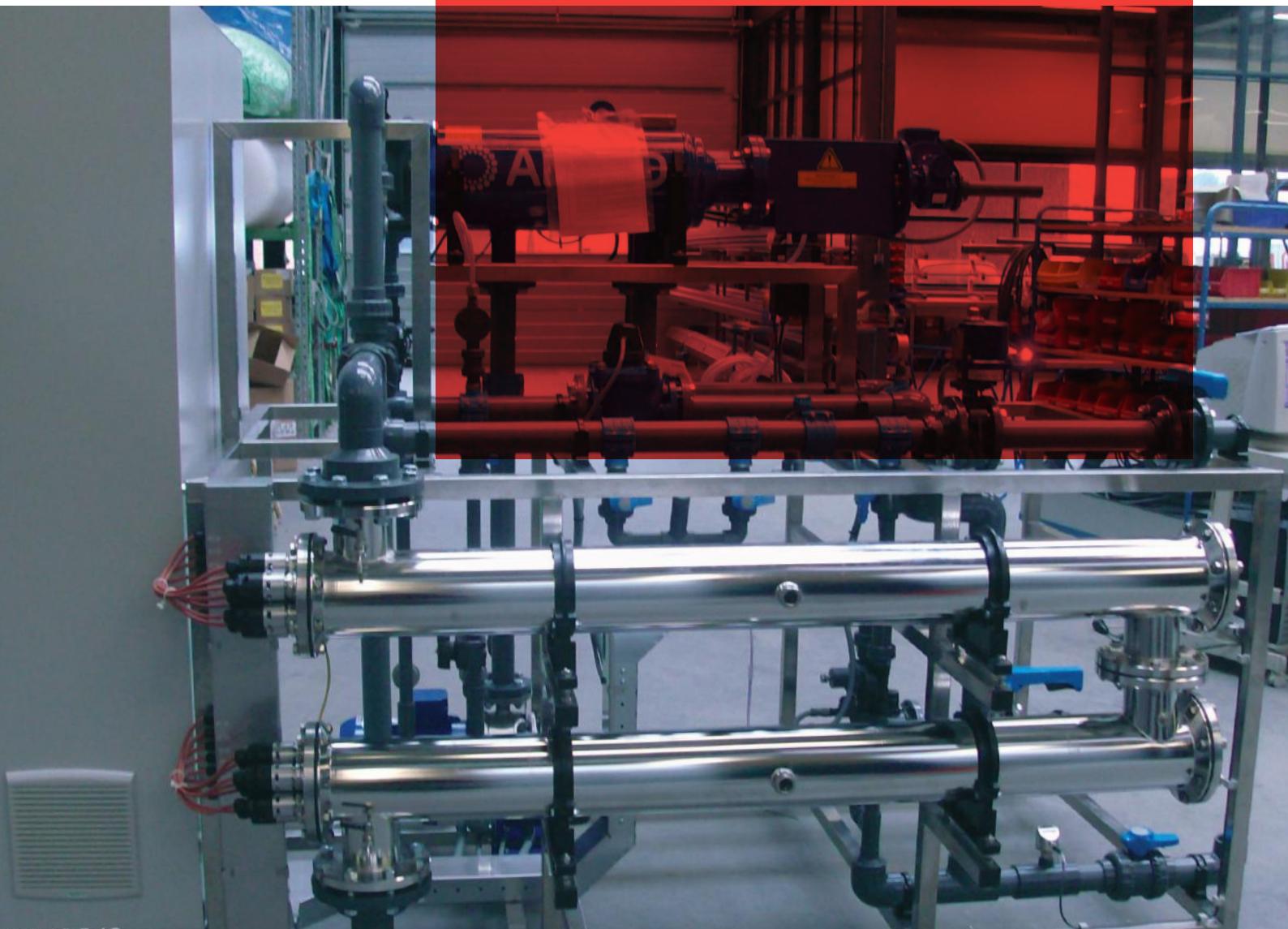




PB UV

Affordable and controllable
purification using the PB UV
disinfection unit





Affordable and controllable purification using the PB UV disinfection unit

Do you want an effective way to disinfect your drain water? And do you also want to be assured of a reliable and affordable solution? Then you should definitely opt for the PB UV disinfection unit. The technology is based on the proven effectiveness of UV-C radiation, which eliminates harmful organisms in drain water. While in operation, the PB UV constantly measures and registers the radiation in the reactors on the 253.7 nanometre wavelength. Only water that has been exposed to the programmed radiation dosage is allowed through.

PB UV

Proven technology

UV-C radiation is a tried and trusted method for purifying air and water. Greenhouse cultivation involves low transmission values, in part because of the use of liquid iron. This presented PB tec's R&D division with the challenge of developing a reliable solution for drain water in the horticultural sector. Not only did R&D rise to the challenge, it exceeded expectations: the PB UV's effectiveness has been extensively tested by an institution that is very highly regarded in the Dutch horticultural industry. As evidenced by its objective findings, the PB UV performs excellently under a wide range of different circumstances.

Technically turbulent flow

PB's design involves seven 325 Watt lamps placed in a 150mm reactor, in a way that is both safe and easy in upkeep. This helps realise a proper

turbulent flow, making the PB UV extremely efficient. This design means that the PB UV is not only controllable but affordable as well.

Models for every capacity

The standard model PB UV disinfection unit comes with modern full colour touchscreen controls. The UV-C radiation, temperature and flow in the reactors are continuously measured and monitored. The PB UV is produced with capacities ranging from 5m³/hour to over 500m³/hour.

Certainty about your returns

PB tec has developed an automated calculation system that gives real-time information about the returns on your investment. It gives an overview showing the investment, the variable and non-variable annual costs, the costs per m³ of purified water and the PB UV's payback time. Those results show you that the PB UV is a very economical investment. On top of this, it offers environmental advantages: a factor that is becoming increasingly important.

Allow us to make you an offer for the PB UV!



Technology is what we do, innovation is what we live for

www.pb-tec.com