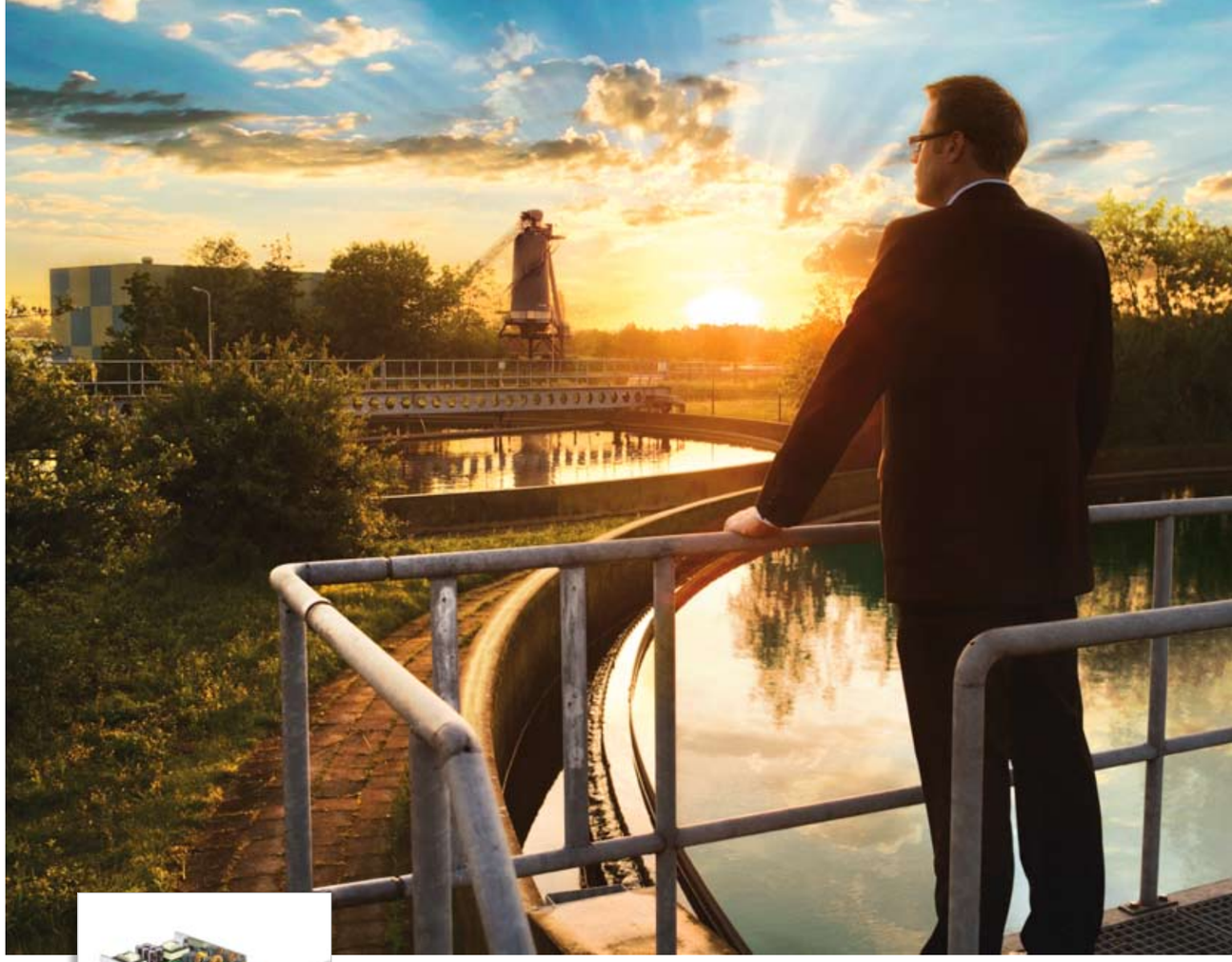

Maximum performance, maximum savings

Philips DynaPower system - a simple switch in existing UV water purification installations

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www.philips.com/uvpurification

asimpleswitch.com

PHILIPS
sense and simplicity

Maximum performance, maximum savings with the new Philips DynaPower driver

The new Philips DynaPower driver features DynaPower technology. Now one electronic driver covers the complete TUV Amalgam 230W, 260W and 335W XPT (Xtreme Power Technology) lamp range. The DynaPower driver can be adjusted with a simple dip switch, depending on which lamp is used and adjusts itself to the right settings.

Energy cost savings

The electronic DynaPower driver allows for immediate energy savings compared with similar drivers on the market. Moreover, the gear can be dimmed down to 60% for additional energy savings. And because frequency variances are minimized, there are less power losses over lamp cables.
Thanks to the DynaPower technology, the system produces less heat. This means less air conditioning is required to cool the drivers, resulting in even more energy savings.

Maintenance made easier

Whereas other drivers on the market automatically switch off the second lamp if one lamp fails, the Philips DynaPower allows single lamp operation. This means that you can instantly detect which lamps are not working anymore, preventing you from testing them all individually or even replacing lamps that still work.
Because different wattages of the TUV Amalgam XPT lamp range can be operated on the same DynaPower driver, you can reduce stock levels and simplify your logistical processes. Also installation is simplified thanks to the increased spacing between the drivers.

Knowing you're safe

The tested and proven DynaPower driver is extremely reliable, with a minimum failure rate of 0,1% at 1,000 hours. Moreover, it is extremely robust, as the unit is protected against excessive voltage peaks and vibrations, and it incorporates overvoltage protection against wrong installation. Thanks to the excellent heat management of the drivers, thermal problems in waste water sites during summer time can be minimized.

Improve your green footprint

asimpleswitch.com

Improving your green footprint has never been easier. Philips DynaPower is the best environmental choice, because it offers maximum lifetime reliability in combination with minimum substances, packaging and product weight. It's a simple switch!

Applications

Municipal waste water treatment
Process water treatment

Technical characteristics

- Operates 230W, 260W and 335W TUV Amalgam lamps
- Single lamp operation possible
- Approximately 10% energy savings compared with similar drivers on the market
- Dimmable up to 60% for additional energy savings
- Cooler operating temperature for additional energy savings
- 100% stress testing minimizing 0-hour failures
- Protection against voltage peaks
- Permanent overvoltage protection
- Approximately 20 seconds start-up time (compared with 90 seconds for similar drivers on the market)

How Philips DynaPower minimizes your operating costs

The chart below compares Philips DynaPower drivers to other drivers currently available on the market. You can clearly see how they perform better and save a lot of energy, resulting in considerable savings for your company.

Description	Unit	Comparable driver on the market 1	Comparable driver on the market 2	Philips Dynapower
Number of UV lamps	pcs	500	500	500
Number of lamps per system	pcs	2	2	2
Number of drivers	pcs	250	250	250
Ballast power per system (loaded with 2x260W)	W	521	565	500
Total power of installation	kW	130	141	125
Estimated burning hours per year	h	6,000	6,000	6,000
Energy consumed per year	kW	781,000	847,500	750,000
Energy rate per kWh	Euro/kWh	0.1	0.1	0.1
Energy costs per year	Euro/year	78,150	84,750	75,000

Annual energy savings ranging from € 3,150 to € 9,750

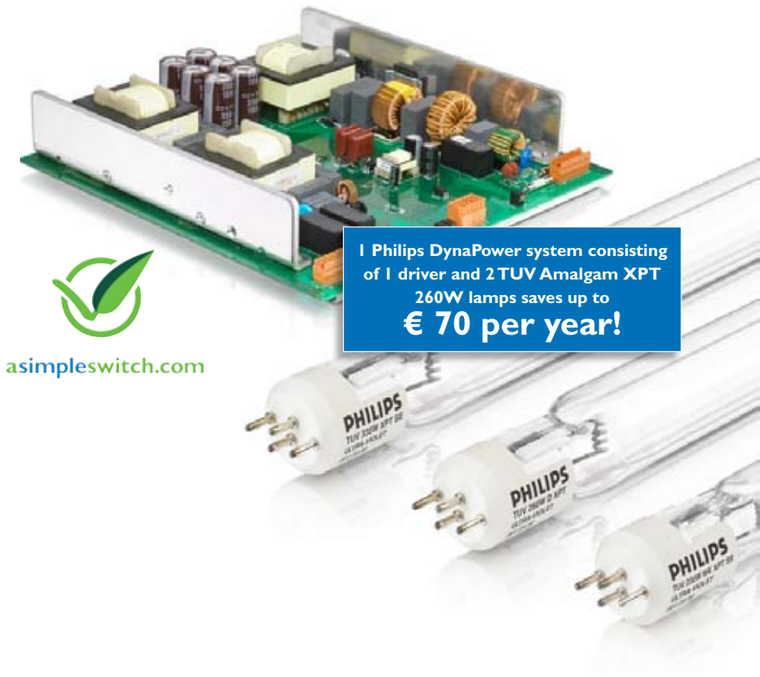
*This is an example. For a personalized calculation, please contact your sales representative.

Philips DynaPower drivers and TUV Amalgam Xtreme Power lamps: the perfect match

The new Philips DynaPower drivers ensure an optimized performance of the Philips TUV Amalgam XPT Lamps. Thanks to extensive testing before a system is released, we can ensure maximum reliability and long lifetime of our products.

Philips TUV Amalgam XPT lamps in short:

- Long average lifetime of 12,000 hours
- Constant UV output over lifetime thanks to special coating (85% maintenance after 12,000 hours)
- High efficiency in broad temperature range thanks to special amalgam
- 10% additional energy savings, because lamps can be dimmed to reach the same UV output compared to similar lamps on the market
- Best environmental choice thanks to industry leading low amount of mercury



For more information on Philips DynaPower drivers and how you can save money, go to www.philips.com/uvpurification