



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Bitron Eco	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## BITRON ECO

### Product characteristics at a glance

- Concentrated UVC power clears ponds up to 240 m<sup>3</sup>
- High intensity treatment of suspended algae, turbidity and harmful bacteria in the pond water
- Now with unique UVC bulb with 50% longer service life (12.000 h) – developed in cooperation with Philips
- High volume UVC housing with a new design and organic shape for a particularly long water dwell time
- Eco control system enables maximum energy efficiency with savings potential of up to 50%\*<sup>2</sup>
- More protection for the climate. Eco mode saves up to 525 kg CO<sup>2</sup>/year\*<sup>2</sup>
- UVC radiation is at its best at all times thanks to patented, autonomous bulb cleaning
- Intelligent bypass regulation automatically adapts the flow rate to the pump capacity in the filter system
- If desired, continuous irradiation or device switch off are possible at the touch of a button
- Clever UVC function monitor, display for bulb change and water temperature
- Protection class IP68 enables direct set up at the edge of the pond
- Simple connection to other 2" filter systems
- 100%, VDE-certified safety; does not cause eye injuries



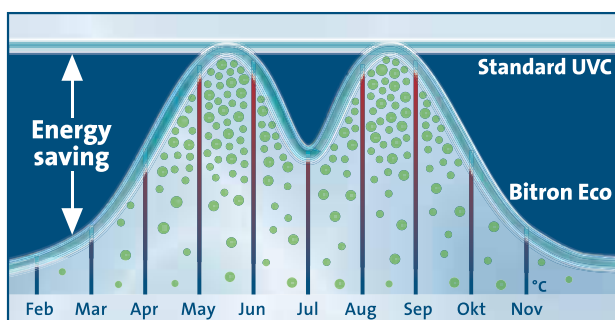
Bitron Eco

\*<sup>2</sup> 2 opposite devices in continuous operation. Bitron Eco 240 at 305 days of operation in EcoMode 50% and Central European temperature profile. With a different combination, savings are possibly lower. CO<sup>2</sup> calculation: [www.iwr.de](http://www.iwr.de)


 <p><b>Automatic cleaning rotor</b> The automatic cleaning rotor is continuously guided around the quartz glass tube by the water flow and prevents debris from settling.</p>	 <p><b>Closure technology</b> The quick release closure now allows direct access to the bulb without dismantling the quartz glass. Replacement of the UVC bulb just takes a few minutes.</p>	 <p><b>Automatic bypass regulation</b> The integrated bypass membrane regulates water distribution automatically based on the water flow and adapts itself to changing conditions, such as the Seasonal Flow Control system, for example.</p>	 <p><b>Automatic control unit</b> It not only shows the actual status of your bulb and the water temperature, it also allows adaptation of capacity depending on the requirement + UVC lifetime counter.</p>
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The new UVC clarifier Bitron Eco reduces energy cost thanks to its Eco control system. It adjusts the Bitron Eco's capacity to the seasonal requirement and therefore enables maximum energy efficiency with a savings potential of up to 50%\*.

\*Opposite devices in continuous operation. Bitron Eco 240 at 305 days of operation in EcoMode 50% and Central European temperature profile. With a different combination, savings are possibly lower. CO<sup>2</sup> calculation: www.iwr.de



**Accessories** (must be ordered separately)

	<p><b>Connection elbow 2' / 90° Bitron</b></p> <ul style="list-style-type: none"> <li>• For Bitron C 36 W – 110 W and Bitron Eco</li> </ul>
<p><b>Connection elbow 2' / 90° Bitron</b> <span style="float: right;">50540</span></p>	

	Bitron Eco 120 W	Bitron Eco 180 W	Bitron Eco 240 W
Dimensions (L x W x H) [mm]	725 x 227 x 248		
Rated voltage	220–240 V / 50/60 Hz		
Power consumption [W]	120	180	240
Power cable length [m]	5.00		
Net weight [kg]	7.75	8.25	8.45
UVC power [W]	120	180	240
Temperature display	Digital		
UVC operating hours meter [h]	12000		
Bypass control	Automatic		
Number of inlets [EA]	1		
Connections, inlet [mm]	38 / 50		
Connections, inlet	1½", 2"		
Number of outlets [EA]	1		
Connections, outlet [mm]	38 / 50		
Connections, outlet	1½", 2"		
Max. flow rate [l/h]	50000		
Max. operating pressure [bar]	1.00		
Suitable for ponds up to max. [m³]	120.0	180.0	240.0
Suitable for ponds with fish stock [m³]	60.0	90.0	120.0
Suitable for ponds with koi*1 [m³]	30.0	45.0	60.0
Connection to	ProfiClear, BioTec 30, BioTec ScreenMatic <sup>2</sup> 140000		
Other	LED function check		
<b>Order no.</b>	<b>56769</b>	<b>56405</b>	<b>56410</b>