

helios quartz®



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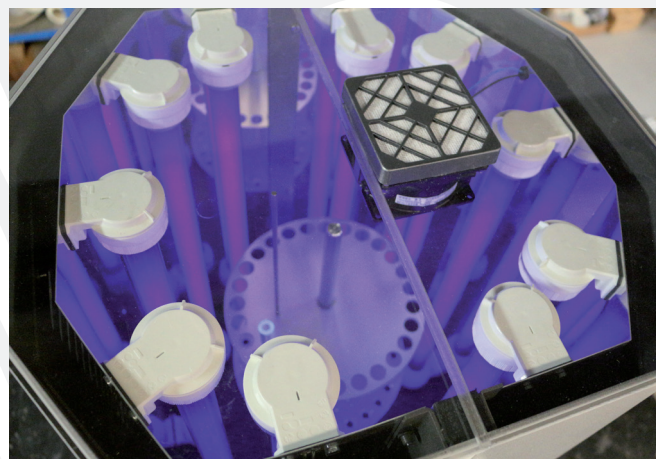
PHOTOCHEMICAL MULTIRAYS REACTOR



For over 70 years, Helios Quartz has specialized in the manufacturing of quartz IR & UV emitters as well as the production of Equipment used for Industrial, Scientific, and Medical applications

The photochemical apparatus **MULTIRAYS REACTOR** was developed specifically due to the close cooperation between Helios Quartz R&D and partner research centers, Universities, and Laboratories conducting scientific testing such as:

- ✓ ICH Photostability tests
- ✓ Photochemical processes
- ✓ Photo-Oxidation
- ✓ Filtered UV radiation



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Particularly popular in science for its **flexibility** and **ease of use**, **MULTIRAYS** is constituted by an airy radiation chamber composed from one carousel with **two rotating disks** (diam. 194 mm) with varying distances. The upper disk is punched with 27 holes on the circumference (diam. 15 mm.) while the lower one has got notches used to support the 27 quartz test tubes. Around the carousel on a diameter of 285 mm are fixed 10 UV lamps (15 W) with a total length of 437nm controlled by one switch, every two lamps. The lamps are fixed in a special lamp-holder with IP44 protection and are equipped with an aluminum special reflector used to increase the radiation power. In order to meet customer's requests, Helios Quartz offers the possibility to change the number of holes on the disks and besides it is possible to replace the swing-plates with a big central test-bar (fixed in special threaded holes) with an eventual magnetic mixer supplied.

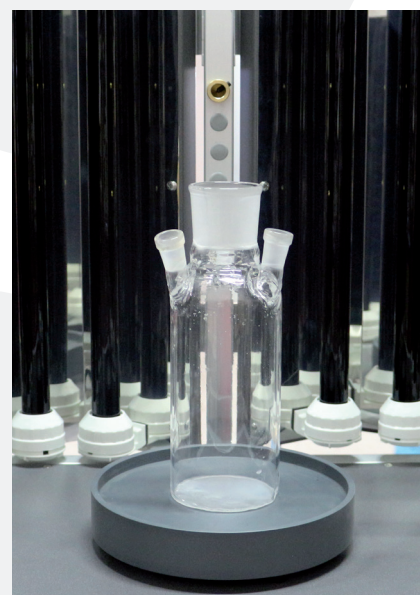
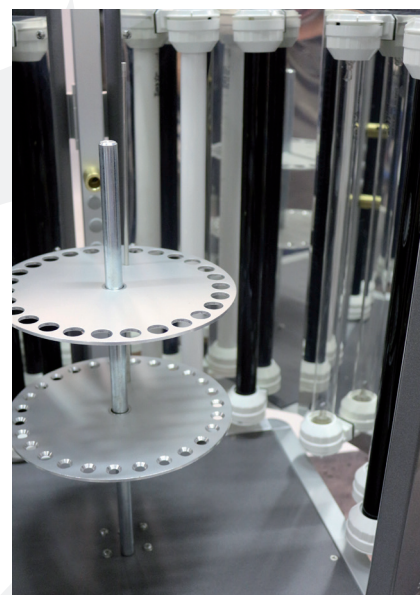
Technical specifications

The standard equipment includes:

- n. 3 UV lamps sets, composed by:
 - N. 10 lamps with wave length of 254 nm
 - N. 10 lamps with wave length of 310 nm
 - N. 10 lamps with wave length of 365 nmAll the lamps are interchangeable and the installation is very easy.
- n. 2 structures to support and fix the laboratory clamps

Max. Chamber inside dimensions: diam. 285 mm - H 450 mm

Outside dimensions: L. 455 mm, H 675 mm, W 640 mm



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