UV-LED / UV interchangeable

LED / UV

UVAPRINT varyCURE LC

One housing, one electronic power supply – two inserts

Powerful curing system working with conventional UV or UV-LED technology

Water cooled

System-Features

- Powerful cassette system with UV-LED or UV lamp insert

- Electronic power supply varyPOWER compatible with both technologies

- Intelligent system control

Advantages

- Flexible exchange of LED and UV module

- Easy handling

- Highest energy efficiency

- Automatic adjustment of all system properties

UVAPRINT varyCURE LC

UVAPRINT varyCURE LC is based on a cassette technology: Either an UV lamp insert or an UV-LED insert can be slid in the same robust housing very easily. Power connection and cabling remain unchanged as the joint electronic ballast **EPSA varyPOWER** supplies both inserts by immediately recognizing what technology is used and thus switches from square-waved AC (conventional UV) to DC (UV-LED).

An intelligent control adjusts all system-relevant settings automatically, this means for the user: Just swap and cure.

UV lamp insert

The UV spectrum of **UVAPRINT varyCURE LC** can be perfectly adjusted to the applied ink or varnish by easily exchanging the UV lamp per plug-in base.

- optimized reflector geometrics
- dichroitic reflector coating for temperature sensitive substrates
- specific lamp output up to 240 W/cm
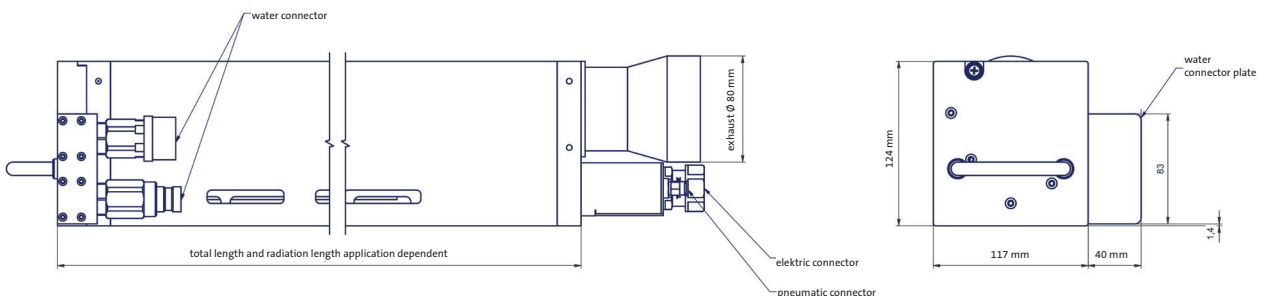- arc length depends on application

UV-LED insert

The LED insert of **UVAPRINT varyCURE LC** is available in the wavelengths **365/385/395/405 nm +/- 10 nm**. Thus, the wavelength can be perfectly adapted to the particular application.

A highly efficient driver integrated in the housing allows that each LED segment is operated and monitored separately.

LED service life	> 20.000 hours*		
dimensions / housing in mm (W x H)	124 x 117 + 40 water supply length application dependent		
height/ light aperture	40 mm		
wavelengths in nm typical intensity in mW/cm² **	385 25.000	395 25.000	405 25.000
Cooling	water cooling		

* typical lifetime under specified operating conditions

** measured with Hönle UV meter with LED sensor

water connector

total length and radiation length application dependent

exhaust Ø 80 mm

elektric connector

pneumatic connector

water connector plate

124 mm

117 mm   40 mm

83

1,4