

# Reflector unit

## Reflector unit with fixed reflector for UV medium pressure lamps

### Type Mini

#### Properties

The reflector unit type Mini has been designed for curing small areas. It is

a simple and robust construction. It is designed for short arc lengths (of about 2-8 cm / 0,8"-3,1"). It can be used with different uv lamps and has a typical lamp power of between 200W - 800W.

The fixed reflectors are highly polished, anodised aluminium reflector plates. Integrated into the reflector unit is an igniter (depending on ballast). An axial fan is installed on the top for uv lamp cooling.



If power adjustment is required by power steps or step-less, the air flow can be controlled via PWM (not supplied).

The ballast is not integrated. It is delivered separately and can be a conventional ballast or an electronic power supply (EPS).

#### Applications

The typical uses of this reflector unit are adhesive curing applications and small-scale applications, for example inkjet printing. By selecting alternative uv lamps (option) other spectra can be achieved. The mini-reflector unit can be mounted in any position and direction of radiation.

#### Technical data

Reflector unit type Mini	
Lamp power	approx. 200 to 800 W
Arc length	up to approx. 80 mm
Lamp cooling	air cooled (sucking or blowing) with fixed mounted axial fan
Mains supply	230 V / 50 Hz
Type of power supply	Conventional or electronic power supply (EPS), external
Length supply cable	max. 5 m, with EPS and potentially shorter
Weight reflector unit	approx. 2 to 3 kg
Mounting position reflector unit type Mini	in any direction
Distance to the substrate	Depending from application, typically approx. 20...50mm between the reflector unit and the substrate.
Light shielding	Has to be provided by the customer and depends from the installation conditions.

#### Safety precautions

As intense ultraviolet radiation is harmful to skin and eyes, depending on installation conditions, the equipment must have proper light shielding. Also air intake and exhaust ducting must be taken into account.

Depending on the lamp power there may be ozone production. Please consult your supplier regarding this.

Caution: The lamp surface can produce temperatures of up to approx. 1000 ° C and there is a possibility that parts of the reflector unit can be very hot. Any direct contact must be avoided.

**Technical data, dimensions and drawing:**

	A001899 / A002497
Lamp type	MHL 450 / MHL 470
Electrode distance EA	31 mm
Dimensions	A: 224 mm B: 73
Weight	2,1 kg
Exhaus air volume	ca. 50 m³/h

