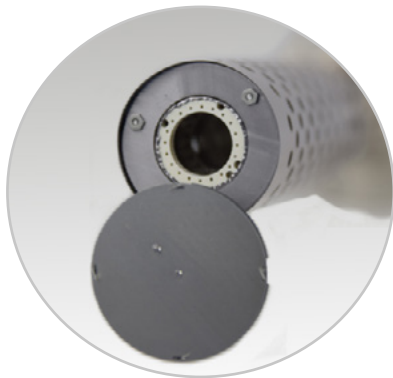


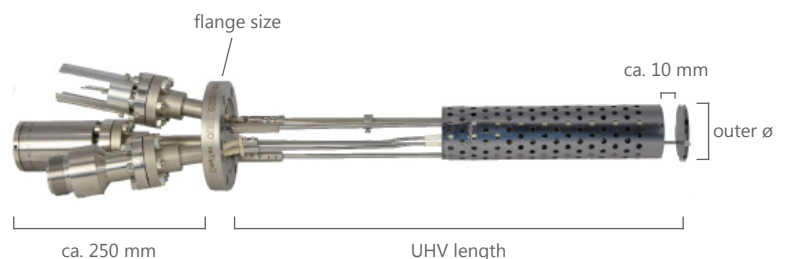
The OLED Effusion Cell is designed to evaporate organic materials and materials with very high vapor pressure. The heating element with double windings at the orifice avoids recondensation of material. The integrated water cooling design is optimized for an exact temperature control from ambient temperature up to 800 °C. A multi cell version with up to four effusion cells integrated on one flange enables complex processes with a compact application.

## Available versions

- Triple-OLED | Three effusion cells integrated on one flange (DN 40 CF)
- Tetra-OLED | Four effusion cells integrated on one flange (DN 40 CF)
- OLED-HL | Hot-lip filament to avoid condensation at the crucible orifice
- Downward looking | Face-down version
- Flip-shutter



TYPE	OLED	
TEMPERATURE RANGE	30 – 800 °C	
HEATING SYSTEM	wire filament, radiation heating	
TEMPERATURE STABILITY	± 0,1 °C depending on the PID controller	
THERMOCOUPLE	type C	
MAX. OUTGAS TEMP.	1000 °C	
MAX. POWER	60 W	10 cc crucible
MAX. CURRENT	3 A	10 cc crucible
BAKE-OUT TEMP.	max. 250 °C	
FLANGE SIZE	DN 40 CF   63   100	others on request
MAX. OUTER DIAMETER	38 mm   61 mm	
MIN. UHV LENGTH	180 mm	
OPTIONAL		
COOLING	integrated water cooling separated cooling jacket	
COOLING DATA	water consumption: temperature: connection:	1,5 l/min 5 - 15 °C ø 6 mm 10 cc crucible
CRUCIBLE SIZE	0,5 - 25 cc	<a href="#">CRUCIBLE DATA SHEET</a>
CRUCIBLE MATERIAL	Quartz   Al <sub>2</sub> O <sub>3</sub>   PBN   Ta   Mo	<a href="#">CRUCIBLE DATA SHEET</a>
CRUCIBLE INSERT	on request	
SHUTTER	integrated rotary shutter manual, pneumatical or electrical actuation <a href="#">SHUTTER DATA SHEET</a>	
POWER SUPPLY	PS - S800   PS - S120-S3/S4	
CABLE	length 6 m (bakeable)	others on request




## Elements to be evaporated

Alq<sub>3</sub>, P<sub>3</sub>HT, PCBM, Cs, K, ...

## How to order?

Individual Cell Request 

	
SUPPORT	support@createc.de
APPROVAL	Drawing will be provided before manufacturing
CONDITIONING	Heated to maximum temperature with and without crucible
DOCUMENTATION	User manual will be provided with the delivery
SHIPPING	In stainless steel container under dry nitrogen
SERVICE	On request, a general overhaul can be performed after long-term use