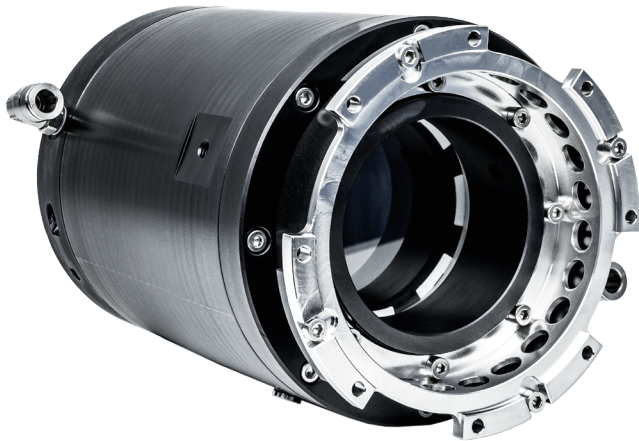


# HIGH POWER LASER BEAM DUMP



## FEATURES

---

Suitable for ultrashort pulses [ns, ps, fs] and CW

---

Suitable for kW power

---

Custom solutions for large beam sizes

---

Widely used at ELI Beamlines

---

## BENEFITS

---

Wide range of usage

---

Developed for high power lasers

---

Developed for high energy lasers

---

The system has been demonstrated to function and provide accurate results

---

## APPLICATIONS

- Ideal solution for laser facilities with high power laser
- Suitable for wide range of lasers, such as CW lasers, pump lasers, and femtosecond beamlines
- Ideal solution for safely terminating beams in shutters or residual pump light of SHG/OPA

## HOW DOES IT WORK?

The high power beam dump solution is designed for absorption of high performance pulsed laser beams.

We developed three different cooling concepts: absorption on metal in air, absorption in water and absorption in submerged filters.



## SPECIFICATION

Range of power	From 10 W to kW
Sizes	Standard: 68 mm Custom: up to 250 mm
Suitable for various spectra	VIS, NIR, IR
Cooled by air or water	
Light-tight connection to standard vacuum chamber flanges	Ideal for laser in vacuum vessels
Designed to minimize heat transfer from dump to chamber	No thermal load on chamber

## ABOUT US

ELI Beamlines is an international user facility that is involved in development and application of multiple highly progressive laser systems including the most powerful systems in the world.

Our in-house development of high power lasers led to some new and unique engineering solutions for many highly demanding applications, where commercial solutions satisfying our stringent requirements did not exist.

## CONTACT

Mrs. Miroslava Příbišová  
[miroslava.pribisova@eli-beams.eu](mailto:miroslava.pribisova@eli-beams.eu)

Mr. Oskar Lažanský  
[oskar.lazansky@eli-beams.eu](mailto:oskar.lazansky@eli-beams.eu)

[www.eli-beams.eu](http://www.eli-beams.eu)  
 ELI BEAMLINES, Za Radnicí 835,  
 Dolní Břežany 252 41, Czech Republic



**FZU**

Institute of Physics  
 of the Czech  
 Academy of Sciences



Centre for Innovation  
 and Technology Transfer