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**BD\_E\_R line** (barrier discharge, external, reactor) – simple photoreactor which is consist of outer stainless steel chamber and inner excilamp. Reactor has separate power supply.

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General view of BD\_E\_R photoreactor: 1 – power supply; 2 – reactor;  
3 – connections for feed/outlet of the gas or solution.

<b>Operating molecule</b>	Xe <sub>2</sub> *
<b><math>\lambda</math> (max), nm</b>	172
<b>Overall dimensions of the power supply, mm</b>	260 × 190 × 90
<b>Reactor dimensions, mm</b>	ø60 × 1300 × 75
<b>Consumption power, W</b>	≤ 300
<b>Radiant power, W</b>	≤ 10
<b>Radiant exitance, mW/cm<sup>2</sup></b>	≤ 14