

Quartz laser cavity :

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Quartz laser cavity (condensing cavity) is mainly used in lasers. With the increasing application of laser technology, the cavity style has also undergone various changes. Compared with ceramic concentrating cavity and resin concentrating cavity, quartz material is corrosion-resistant, not easy to damage, easy to clean, and has a long service life. The laser cavity made of quartz glass as raw material enables the laser to operate stably and reliably for a long time.



The laser cavity includes: single-lamp single-rod single elliptical focusing cavity, single-lamp double-rod elliptical focusing cavity, double-lamp single-rod elliptical focusing cavity, double-lamp double-rod elliptical focusing cavity, three-lamp three-rod elliptical focusing cavity, Three lamps and three rods cylindrical concentrating cavity, five lamps and five rods elliptical concentrating cavity, five lamps and five rods cylindrical concentrating cavity.

According to different applications and performance requirements, the materials used for the laser cavity can be selected: borosilicate hydrochloric acid glass, synthetic quartz, fused quartz, cerium-doped quartz, europium-doped quartz, titanium-doped quartz, samarium-doped quartz, ceramics.

For special use requirements, the quartz laser cavity can also be coated. The gold film is stable, corrosion-resistant, and has a long service life; the silver film is inferior to the gold film, and the cost is lower.

**Standard sizes:**

Customized according to customer needs

**Five, cold light source**

**Technical indicators:**

1. Rated input voltage:  $\sim 220V \pm 5\%$ , 50Hz
2. Output voltage:  $\sim 12V$ ;  $\sim 14V$
3. Output power: 50W; 100W; 150W
4. Transformation method: electromagnetic transformation, thyristor adjustment
5. Reference color temperature: 3300K



**low pressure mercury lamp**

**technical indicators:**

1. Input voltage:  $\sim 220V \pm 5\%$ , 50Hz
2. Size: 134x110x58(mm)
3. Lifespan: 3000hr
4. Wavelength range: 200~600nm
5. Interface: SMA905