

Performance parameters

Ventilation rate	Pressure difference	Air speed	Static cleanliness	Noise
≥40 times/h	≥10Pa	<0.15m/s	ISO 5级	≤50dB

Cage parameters

Type	Order code	Overall dimension(mm)
Mice cage	BCR-MI03-PSU/PPSU	398x183x192 (With label slot and drinking bottle)
		390x183x172 (Without label slot and drinking bottle)
Rats cage	BCR-MI03-PSU/PPSU	488x320x257 (With label slot and drinking bottle)
		482x320x240 (Without label slot and drinking bottle)

Technical parameters-mice rack

Order	Layer x column	Cages	Cage frame	(LxWxH) Cage frame size mm	Cage frame Quantity	(LxWxH) mm Installation overall size (With main machine)
BCR-MI03-84-C11	8x8	64	Single row	525x1592x1974	1	630x2049x1974
BCR-MI03-84-C12		128			2	630x3634x1974
BCR-MI03-72-C11	8x9	72		525x1788x1974	1	630x2243x1974
BCR-MI03-72-C12		144			2	630x4022x1974
BCR-MI03-128-C11	8x8	128	Double row	721x1592x1991	1	877x2089x1991
BCR-MI03-128-C12		256			2	877x3674x1991
BCR-MI03-144-C11	8x9	144		721x1788x1991	1	877x2263x1991
BCR-MI03-144-C12		288			2	877x4082x1991

Technical parameters-rat rack

Order	Layer x column	Cages	Cage frame	(LxWxH) Cage frame size mm	Cage frame Quantity	(LxWxH) mm Installation overall size (With main machine)
BCR-RI02-20-C11	5x4	20	Single row	550x1372x1837	1	630x1829x1837
BCR-RI02-20-C12		40			2	630x3194x1837
BCR-RI02-25-C11	5x5	25		550x1705x1837	1	630x2162x1837
BCR-RI02-25-C12		50			2	630x3880x1837
BCR-RI02-30-C11	5x6	30		550x2038x1837	1	630x2495x1837
BCR-RI02-30-C12		60			2	630x4526x1837

* According to the actual needs of customers, we provide customized services



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BCR - I Series Individually Ventilated Cages Rat and Mice

BCR-I series Individually Ventilated Cages are suitable for the feeding of SPF rodents. Each cage provides independent air supply and ventilation, which can realize strict biological control of animal living space and effectively prevent cross-infection between different cages. The system can achieve positive and negative pressure control.

This product is widely used in Experimental Animal Centers, Drug Testing Centers, Centers for Disease Control and other Quarantine Agencies.



> IVC Cage

- **Energy saving**
Compared with open-breeding, sealed cages can achieve waste gas discharge and reduce odor emissions, which will greatly improve the animal room environment and effectively reduce ventilation rate of animal room. Energy saving can be more than 30%.
- **Work stable**
Programmable Logic Controller (PLC) and ventilation fans are world famous brand which is stable and reliable.
- **Ventilation rate, pressure difference, temperature and humidity detection**
High-precision wind speed, pressure difference, temperature and humidity detector can realize on-line monitoring for ventilation rate, pressure difference, temperature and humidity in cages.
- **Ammonia gas concentration detection**
A high-precision Ammonia gas concentration sensor is installed in the main exhaust duct to on-line monitor the Ammonia gas concentration in the cage.
- **Day and night operation mode**
Automatically switch the day and night operation mode to avoid influence the animal activities and rest and to protect the animal welfare.
- **Uninterrupted power supply (UPS)**
Built-in uninterruptible power supply (UPS) can make the fan continues to work once the external power supply is interrupted.
- **Alarm detection**
The main machine has multiple alarms such as abnormal parameters, abnormal working conditions of components, filter clogging, abnormal power failure, etc. to ensure stable operation of equipment.



- **Test report**
The machine has passed the test of authoritative third-party organizations, the parameters have been fully demonstrated and the performance is excellent.

> Cage frame

- SUS304 stainless steel, easy to disassemble and easy to clean.
- Each position of the cage frame has a coordinate mark to facilitate the recording of the cage position.
- The cage guide rails are equipped with a positioning indicator, which is convenient for confirming whether the cage is in place.



> Cage

- **Material (PSU/PPSU)**
The cages are made of high quality and new materials, with good stability and light transmittance, and can be sterilized at high temperature. The PSU can be used for more than 150 cycles of high-temperature sterilization. The PPSU can be reused for more than 350 cycles of high temperature sterilization.
- **Size optimization**
The stacking height of cages is reduced to less than 50mm, which effectively reduces stacking space and sterilization costs.
- **Cage flexible seal**
The cage is sealed with a double hollow medical silicone ring to ensure the airtightness of the cage.
Optimized designed cover buckle
Stainless steel cover buckles reduce the failure rate and extend the service life of the cages.
- **Cage air intake and exhaust valve**
Non-intrusive structure intake and discharge valve avoids cross-infection between different cages. The fan-shaped diffuse flow channel reduces the air speed inside the cage.
- **Life window**
On the top of the cage cover has compressed life window with medical silicone seal ring which can connect with outside through the aperture of 0.2μm filter membrane to ensure the aseptic isolation of the animal and outside and to avoid suffocation death caused by cessation. The filtration membrane can be washed or autoclaved.

