

**The Technical Conditions Book for
Operating room air purification and sterilization**

1. Mobile or fixed device for purification and sterilization of the operating room air .
2. The main sterilization method based on negative ion and UV .
3. Capacity : 2500 m³/h at least and that can be controlled .
4. Provided with all modes for air conditioning : humidifying cooling and heating programs .
5. Heating and cooling capacity is : 24000 Btu at least , and the degrees range between 16-26 C° at least .
6. The device must be provided with negative ion generator
7. It should be provided with ultraviolet light (UV 254nm) for sterilization .
8. It has to equipped with HEPA filter with a minimum efficiency of 99.9% at 0.3 μ m particles at least . The bidder should specify the kind and number of used HEPA filter in the device .
9. It must equipped with three kind of filters for particles for recirculation and fresh air and also should provided with carbon filter (The bidder should specify them) .
10. It should be Provided with a touch screen panel to control all the modes in the device and must be in English language .
11. Noise must be less than 60 dB .
12. Provided with all protections .
13. The device must be provided with the ability to take a fresh air from the outside to increase the positive pressure inside the operation room .
14. The bidder should provide all the accessories that make the device able to work .
15. The bidder should provide his offer with all catalogues and brochures for the device .
16. Warranty 1 year at least .
17. The bidder must provide all the certificates the device has like : CE , ISO , FDA
18. The above mentioned specifications are considered as minimum ,The bidder can submit the best specifications of the device .