

超洁浄灌装设备采用超洁净灌装工艺，包装林料与物料的接触面灭菌放率SE $\geqslant 3$ ，灌装，封口区域应符合GB 50073－2013《洁净厂房设计规范》规定的 $N 6$ 级洁净室要求。

## 主要结构特点

－对于灌注用瓶的传送和消毒：空瓶输送采用带高效过娍器的风力输送，确保瓶子在输送过程中的卫生和免受二次污染；灌装前配置多道
触式滰装。
－对瓶盖的消毒和铪送：瓶益采用消毒液浸泡消毒，然后经无菌水和无菌空气吹干，处理后的盖子经一密闭无菌通道铪送到扩善机，使瓶属保持在高度洁诤状态。
后解送到灌装机进行灌装。埨送管道采用镜面扡光，管接头采用无型管接头，选用卫生型无菌型焖门和仪表，并在设计和施工中避免管道卫生死角，从而确保物料在输送过程的无菌。
－对灌装环境的冨离，净化和保㭙：全封闭的淮装系统，设有上下水密封，将灌装区域与外界可靠的谝离开来；采用经过优化的FFU敞
统交替咬淋，工作台板采用屋顶式台板，无积水，确保灌装环境的无菌。

Ultra－Clean filling equipment adopts super clean filling technology．Th
 requirements of Grade N6 clean room stipulated in GB $50073-2013$ Clea
Plant Design Specification．

## Main structural features

－For the transportation and sterilization of bottles for intusion：empty bottles are transported by air with high－efficiency filters to ensure that the bottles are
hygienic and tree from secondary polution during the transportation process hygienic and dree from secondary polution during the transportation process；
a mutti－channel bottle steriizazition system is contigured beforo e tiling The botle is in a highly clean state．At the same time，non－contact filling can be used
duving iffle －Disinfectio
and disisifected with with disinfitectiant and botle caps：The bottle caps are immersed The processed caps are transported t to the capaping machine thround sterle aid
sterile －Sterilization and transportation of the filling matererial：the filling material will enter the aseptic tank atter ultra－high temperature instantaneums sterilization
and then transported to the filling machine or filling The pipeline is miror－ and then transported to the filling machine for filling．The pipeline is mirror－
polished，the pipe joints are aseptic pipe joints，hyggienic／aseptic valves and instruments are used，and the pipeline is designed to avoid hysienic dead ends，
so as to ensure the sterility of the materials in the transportation process so as to ensure the sterility of the materials in the transportation process．
－Isolation，purficication and maintenance of the filling environment：the fully －iscolosed filling systitem is equipped with upper and lower water ring seals to reliably isolate the filling area from the outside world；the optimized FFU
configuration is used and the appropriate The ereturn air outtet is equipepe witt confifuration is sed and the eppropriate The return air outlet is equipped with
an exhaust system：the bottle washing area and dhe filling area are separated by an exhaust system；the botlle washing area and the filling area are separated by
a partition to ensure that the purfification level of the filling room reaches 100 ；the clean room adoptst two spray systems of spray balls and dozzles to a aternately
soray and the workench is used The root－top paten has no spray，and the workbench is used The roof－top platen has no water accumulation spray，and the workbench hs used The roi－－oop
to ensure the sterility of the filing environment．


| 适用产品Applicable products |  |
| :---: | :---: |
| 适用容罍Applicable containers | 各种容显及形状的PET数PET botles of various capacities and shapes |
| 淮衾温度Filling temperature | 热淮装 $\left(82-92^{\circ} \mathrm{C}\right)$ ，中温灌装 $\left(68-75^{\circ} \mathrm{C}\right)$ ，常温灌装 $\left(16-35^{\circ} \mathrm{C}\right)$ ，低温泠灌装 $\left(4-15^{\circ} \mathrm{C}\right)$ hot tilling $\left(82-92^{\circ} \mathrm{C}\right)$ ） medium temperature illing $\left(68-75^{\circ} \mathrm{C}\right)$ ，normal temperature filling $\left(16-35^{\circ} \mathrm{C}\right)$ ，low temperature cold filling $\left(4-15^{\circ} \mathrm{C}\right)$ |
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