

HOW AN AUTOCLAVE WORKS

STEP-BY-STEP STERILIZATION CYCLE



1 LOADING



Items to be sterilized are placed inside the chamber on the tray or basket.



2 AIR REMOVAL



Air inside the chamber is removed by the steam, allowing steam penetration into the load.



3 STEAM



Saturated steam enters the chamber from the bottom or sides.



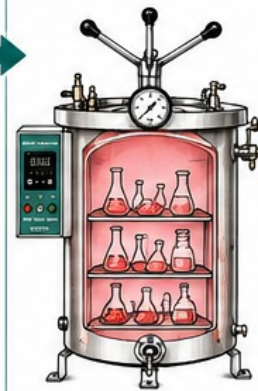
4 PRESSURE & TEMPERATURE



Pressure builds up and temperature increases (typically to 121°C at 15 psi). Steam surrounds the load completely.



5 STERILIZATION



At set temperature and pressure, steam sterilizes the items by destroying all microorganisms. (Exposure time is maintained.)



6 EXHAUST



After sterilization, steam is released from the chamber through the exhaust valve, reducing pressure.



7 COOLING/ DRYING



The load is cooled and, if required, dried to make the items ready for safe handling.



REMEMBER: Proper loading, correct cycle selection, regular maintenance and safety practices ensure effective sterilization and long life of your autoclave.