

Principle:

Crazing means hair cracks on the glazed surface of the tile. The resistance to the formation of crazes is determined by subjecting whole tiles to steam at high pressure in an autoclave and then examining the tiles for crazes after applying a stain to the glazed faces. (Applying a coloring substance to the glazed surface)

Salient Features :

Triple safety against accidental over pressure

1. Safety Valve
2. Pressure control switch
3. Digital Temperature indicator cum controller
 - Simple in design and operation
 - Easy heater replacement
 - Calibrated Pressure Gauge
 - Quadruple walled construction
 - Inside S.S. Boiler
 - Air insulation cover
 - Glass wool Insulation cover and outer cover
 - Special design ensures easy heater replacement, even by one skilled man.
 - A special gasket is fitted in the grooves to resist high pressure and temperature.
 - Hard chrome plated autoclave lid - resistive against corrosion
 - 7.5 kg/cm² Pressure can be achieved within the chamber
 - Safety against Electrical Short circuit
 - Aesthetic outer appearance

Brief Construction Details :

- It consists of a thick Stainless steel cylinder.
- Stainless steel chamber is fitted with insulation covers and mounted on a sturdy supporting frame,
- Chamber working size : 250 mm Diameter x 350 mm Height
- Temperature Range : 150°C
- Pressure Range : Up to 7.5 Kg/cm²
- Material: S.S. 304 stainless steel
- Cover Lid : Made of Stainless Steel material
- Cover seal : Through self-sealing silicone gasket.
- Cover closed with high resistance screws with hand wheel - Cover opened with hinge
- The entire structure is enclosed in a metal housing, which is powder coated in attractive shades.
- The attached control unit encloses a sensitive pressure regulator, pressure gauge and safety valve.
- Further fitted with a DIGITAL Auto tuning PID Temperature Indicator cum controller with soak timer to safeguard against failure of pressure control switch or safety release valve.
- Soak timer regulates the autoclave timing independently and need no manual shutdown after the completion of autoclave cycle.
- However, pressure has to be released manually by drain valve provided.
- An electrical safety switch is provided for prevention of short circuit.
- A special safety valve is made of stainless steel and factory calibrated to safeguard against over pressure.
- A specially designed lid lifter with support frame resting on wheels, will be supplied for bigger version autoclave. It will cost extra. The price on request.

Note: Specifications are subject to change.