

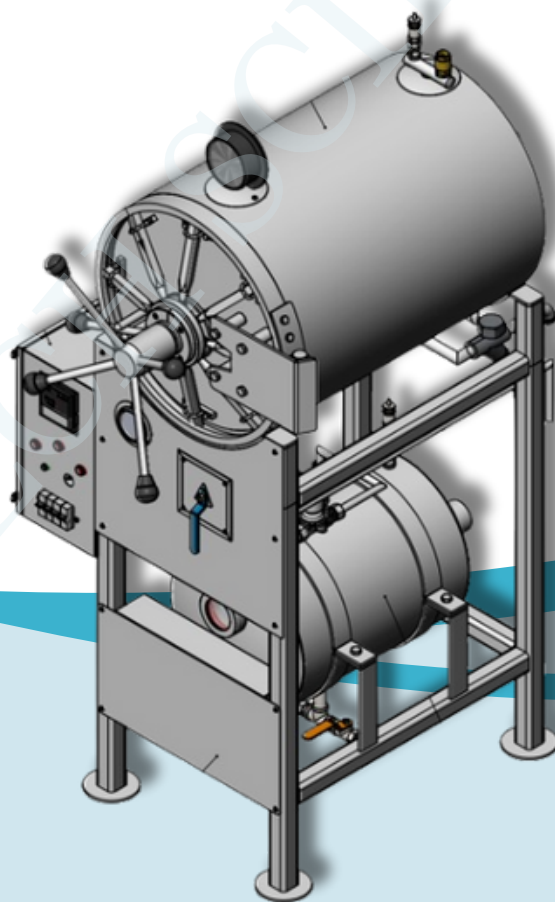


Quality With Technology

# QTECH LABORATORY AUTOCLAVE (HORIZONTAL)

**Manufactured by Qtech Scientific**

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# PRODUCT DESCRIPTION

"QTECH" autoclave – horizontal – cylindrical (fully-automatic) – double walled with water level indicator, automatic low water cut/off the device, microprocessor-based pid controlled digital temperature indicating cum controller and (inbuilt digital timer) radial locking system. design. cylindrical type – double-walled.

QTECH Horizontal Double Walled Autoclaves are ideal for critical applications requiring assured and reliable destruction of all living micro-organisms—an ideal tool for Laboratories, hospitals, nursing homes, etc.

## **Features:**

- Double-walled unit horizontally mounted on a sturdy, heavy M.S. duly painted.
- Both the inner chamber and outer wall are made of S.S.
- Pressure is adjustable from 10–20 psi.
- Fitted with a pressure gauge, safety valve, and steam release valve.
- Available with a separate boiler.
- For units fitted with an S.S. Boiler, separate valves for injecting the steam into the main chamber and releasing the steam in the atmosphere after use are provided.
- An automatic vacuum breaker is provided to break the vacuum in case of the formation of a vacuum due to steam condensation.
- Automatic Low Water Level Cut-off Device fitted for the general safety of the element.
- Fitted with Automatic Pressure Control Switch.
- Fitted with a dial thermometer to indicate the inner chamber temperature.
- The lid is made of thick machined Stainless Steel plate
- Supplied without jacket (Double walled chamber with separate boiler).
- Industrial grade energy efficient heaters reduce power bills drastically.

# TECHNICAL SPECIFICATION

Model	QLAH
Capacity	22 ltrs, 40 ltrs, 50 ltrs, 78 ltrs, 98 ltrs, 187 ltrs
Heater Load	As per size of Autoclave
Controller Options	PID Controller / Analog Controller / HMI Controller
Display	LCD / Analog / Touch Screen
Exhaust of Pressure	Automatic through a manual exhaust valve
Sterilizing Pressure	1.2 kgf /cm <sup>2</sup> (15 psi) at 121°C
Operating Pressure	From 15 Psi to 20 psi
Pressure Gauge	0-2.1 kgf /cm <sup>2</sup> (30 psi)
MOC (Pressure Vessel)	Stainless Steel (SS-304)
MOC (Boiler)	Stainless Steel (SS-304)
MOC (External Wall)	Stainless Steel (SS-304)
MOC (Lid)	Made of thick machined Stainless Steel plate
Tubular Stand and Support Ring	Made of mild steel
Power supply	220/230V AC, 50/60Hz or 430/440 Volts, 3 Phase Supply
Gasket	Made of Jointless Silicon Rubber