



BROCHURE

[B L ENGINEERING ISO 9001:2015](#)
[CERTIFIED MANUFACTURER](#)

BLU-TEK

**AUTO CLAVE
WITH INTERNATIONAL
MEDICAL AND
POLLUTION CONTROL
STANDARD**





BL ENGINEERING

THE COMPANY

B L Engineering is an ISO 9001:2015 registered company and Working in the Waste management field since 1985 we have wide range of product such as Autoclave, Shredder ,Plasma pyrolysis plant , Incinerator and Pollution Control Equipment etc. B. L. Engineering have developed all the equipment's by the Own brand name "BLU-TEK". We are the leading and well growing Engineering Industries in the activities of manufacturing and supply of equipment and plants of chemicals, pharmaceuticals, medical and Environment Equipment.

COMPANY PROFILE

For over 36 years, B L Engineering's sterilization and infection control products have been trusted by hospitals, universities, research institutes, clinics and laboratories throughout the world. Supplying a range of top-quality products.

GLOBAL PARTNERSHIPS

At B L Engineering we feel that business means people dealing with people. We pride ourselves on our reputation for having long-lasting relationships with our customers, spanning over decades and distances and for building solid, long-term relationships based on commitment and trust.

OUR FLEXIBILITY IS YOUR ADVANTAGE

Beyond our unmatched range of products, we also manage complete turnkey solutions, including planning, design and installation of equipment, as well as consultation and feasibility studies, for projects of all waste management project.



BL ENGINEERING

REGD. OFFICE & WORKS:

PLOT No. 01, Sukham Industrial Estate, Nr. Vatva Railway Overbridge, GIDC Vatva, Ahmedabad, Gujarat-382445

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WEBSITE: www.blengineering.net



ISO 9001:2015 COMPANY

MANUFACTURING OF ALL KIND OF INCINERATOR PLANTS AND POLLUTION CONTROL EQUIPMENTS



BL ENGINEERING

FEW OF OUR REPUTED CUSTOMERS:

- Bhabha Atomic Research Center (BARC)- Trombay, Mumbai, □ Nuclear Power Corporation of India Ltd. Kakrapar, Dis. Surat.
- Cadila Pharmaceuticals Ltd. Ahmedabad & Jammu.
- Space Application center (ISRO) - Ahmedabad.
- Indian Railways.
- Hindustan Aeronautics Ltd. (HAL)- Bangalore.
- Indian Institute of Management - Ahmedabad.
- Gandhar Petrochemicals Limited Vadodara.
- Eicher Motor Ltd.
- Ruchi Strips Ltd. - Indore.
- Civil Hospital. - Ahmedabad.
- M. G. Chest Hospital / KN Chest Hospital - Jodhpur.
- Medicare Incin Pvt. Ltd. Ludhiana.
- Bioclean System Pvt Ltd. - Solapur & Ahmednagar.
- Ramkey Group Hyderabad.
- Distromed Services Rajkot.
- Mumbai Waste Management Limited.- Mumbai.
- Dishman Pharmaceuticals Ltd. - Ahmedabad.
- Cadila HealthCare Ltd. - Kadi.
- Zydus Cadila Ltd. - Ahmedabad.
- Cadila HealthCare Ltd. (R&D), Changodar, Ahmedabad. □ Cipla Ltd. Pune.
- Rallis India Ltd.& Rallis Agrochemical Ltd.- Ankleshwar.
- Aarti Drugs Ltd. - Vapi,
- Strides Acrolab Ltd. - Manglore.
- Chemtech Intermediates Pvt. Ltd.,
- Nandesari - Vadodara
- Bodal Chemicals Ltd.- Vadodara.
- Mayur Diechem Intermediates Pvt. Ltd. Ahmedabad & Vadodara.
- Meghmani Industries Ltd. Chharodi. - Ahmedabad.
- Mac Lubricants & Petrochemicals Pvt. Ltd. - Ahmedabad. □ Atul Products Ltd. - Valsad.
- Indian Institute of Technology



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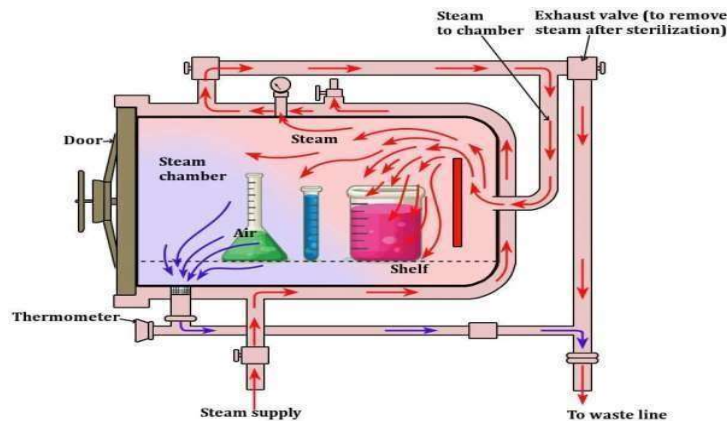
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BLU-TEK WORLD CLASS BIO MEDICAL STERILIZERS -AUTOCLAVE

GENERAL INFORMATION -

An autoclave is a machine that provides a [physical method of sterilization](#) by killing bacteria, viruses, and even spores present in the material put inside of the vessel using steam under pressure. Autoclave sterilizes the materials by heating them up to a particular temperature for a specific period of time. The autoclave is also called a steam sterilizer that is commonly used in healthcare facilities and industries for various purposes. The autoclave is considered a more effective method of sterilization as it is based on moist heat sterilization.



- The autoclave works on the principle of moist heat sterilization where steam under pressure is used to sterilize the material present inside the chamber.
- The high pressure increases the boiling point of water and thus helps achieve a higher temperature for sterilization.
- Water usually boils at 100°C under normal atmospheric pressure (760 mm of Hg); however, the boiling point of water increases if the pressure is to be increased.
- Similarly, the high pressure also facilitates the rapid penetration of heat into deeper parts of the material, and moisture present in the steam causes the coagulation of proteins causing an irreversible loss of function and activity of microbes.
- This principle is employed in an autoclave where the water boils at 121°C at the pressure of 15 psi or 775 mm of Hg.
- When this steam comes in contact with the surface, it kills the microbes by giving off latent heat.
- The condensed liquid ensures the moist killing of the microbes.
- Once the sterilization phase is completed (which depends on the level of contamination of material inside), the pressure is released from the inside of the chamber through the whistle.
- The pressure inside the chamber is then restored back to the ambient pressure while the components inside remain hot for some time.



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• BLU- TEK WORLD CLASS BIO MEDICAL STERILIZERS -AUTOCLAVE

STERILIZATION

Bio Medical Sterilizers based on the expertise gained by B. L. Engineering over 36 years of experience in design. Engineering, and manufacturing. B. L. Engineering's first priority is that our hospital autoclaves work day in and day out 365 days a year. Not only that they work but that they meet the high volume demand of a hospital efficiently.

Our objectives are the same as our customer's objectives, instruments that are 100% sterile with repeatable performance, quick turnaround and minimal product impact. To do this we incorporate three central values into our products: Quality, Safety and Flexibility

QUALITY

{ENGINEERED WITH PEOPLE IN MIND}

We work to keep our autoclaves state of the art. The components we use are of highest quality. Our hospital autoclaves comply with the strictest international standards. A BLUTEK autoclave is built to last longer and perform consistently. Our machines are engineered with careful attention to detail and with people in mind

SAFETY:

{SAFETY IS OUR TOP PRIORITY}

When it comes to the design of our horizontal/vertical I sterilizers, protecting staff and patients is our first concern Multi-level safety features prevent accidents and keep the autoclave running without downtime. A BLU-TEK autoclave is a safe autoclave

FLEXIBILITY

{INNOVATIVE SOLUTIONS THAT SUIT YOUR NEEDS}

The unique models and options we offer, take our hospital sterilizers a step ahead. In addition, BLU-TEK autoclaves can be customized to meet your hospital's unique needs. With an ideal combination of Quality, Safety and Flexibility BLU-TEK's hospital autoclaves are the most advanced, dependable and easy to use sterilizers available.

TOUCHSCREEN

Our touch screen displays all cycle information in both a textual or graphical interface and provides a continuous visual guide Moreover it provides a visual display of all piping for monitoring purposes.



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SOFTWARE

The user can remotely control and manage eight autoclaves using the software. You can retrieve data, create graphs, tables and print-outs.

BLU-TEK offers multiple additions that improve the hospital sterilization procedures, answer unique requirements and ensure a safe and worry free work environment. We offer advanced sterilization cycles for special needs such as a low temperature streaming steam cycle, a disinfection program, an FO factor or advanced liquid cycles.

BLU- TEK advanced operation features include a multipurpose valve that can function as a backup in case of power failure, or an automatic shutdown or restart feature that economies on power Our clean piping features provide a complete solution for the most demanding standards

CHART RECORDER

The Chart Recorder gives clear analog mechanical trend record sand print-outs in color. It is simple to operate and has an easy view display

DATA LOGGER

The data logger is the hospital's protection making documentation even more convenient and reliable If stores over 10,000 hours of cycle data, displayed either graphically or numerically

Range of Product

Our Experience Engineering team with the experience of 30 years in the field of manufacturing of Waste management machines, our expertise can also customized the machines as per the need and Requirements of the customer.

Various range of Standard Blu-tek Auto clave machine as per customer requirement

s.n	Litre	Vertical	Horizontal	Single door/double door	Automatic/ manual / semi-automatic
1	Below 60	Available	Available	Yes	Yes
2	60	Available	Available	Yes	Yes
3	80	Available	Available	Yes	Yes
4	100	Available	Available	Yes	Yes
5	120	Available	Available	Yes	yes
6	150	Available	Available	Yes	Yes
7	200	Available	Available	Yes	Yes
8	500	Available	Available	Yes	Yes
9	Above 500	Available	Available	Yes	Yes
		Available	Available	Yes	Yes

Other features of the Machines are available in details in specific, Particular product Brochure



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