

## Analytical Technologies Autoclave (3420BT)



▶▶▶ The Analytical Technologies Ltd. Benchtop Range  
33 / 43 / 63 Litres



▶▶▶ Product Overview

The Analytical Benchtop range of autoclaves offers convenience and flexibility, with models that cover a range of sterilizing requirements and different chamber sizes.

The range is available with one of two different steam generation methods - either Heaters in Chamber or a Steam Generator.

Models with Heaters in the Chamber are available with a choice of two different methods of filling with water - one automatic and manual.

Manual fill (or Classic) units are filled by the user between cycles. Autofill models have an integral water tank and therefore require less regular filling.

Specification

Model	Capacity (Litres)	Chamber (Dia x Depth - mm)	Overall Dimensions (WxHxD in mm)	Power Supply	Required Bench Depth (in mm)	Autofill/Autodrain
3420BT	33	350 x 360	520 x 540 x 780	1Ph, 230V,13A, 50/60Hz	670	No
3430BT	43	350 x 460	520 x 540 x 780	1Ph, 230V,13A, 50/60Hz	670	No
3440BT	63	350 x 660	520 x 540 x 980	1Ph, 230V,13A, 50/60Hz	855	No
3220BT	33	350 x 360	520 x 540 x 780	1Ph, 230V,13A, 50/60Hz	670	Yes
3230BT	43	350 x 460	520 x 540 x 780	1Ph, 230V,13A, 50/60Hz	670	Yes
3240BT	63	350 x 660	520 x 540 x 980	1Ph, 230V,13A, 50/60Hz	855	Yes

Options Capacity

Part Name	Part ID	Dimensions (mm)	3220BT & 3420BT	3230BT & 3430BT	3240BT & 3440BT
Discard Container	AAN346	180 x 200 x 260	1	2	3
5 Position Shelf Kit	Various	Fitted to Chamber	2*	3*	3*

\* Indicates the of moveable shelves prodded with the 5 Position Shelf Kit. Additional shelves available to purchase separately.

Bottle Capacity (Duran Type)

To the right are setetails of Duran bottles from 500ml to 2000ml that can fit within the various models of astell autoclaves.

Bottle Size	3220BT & 3420BT	3230BT & 3430BT	3240BT & 3440BT
500ml	10	14	21
1000ml	8	11	15
2000ml	2	3	4

“Add the options you need; don’t pay extra for the things you don’t -Analytical Technologies Ltd benchtop autoclaves don’t need extra items to operate”

### Heaters in Chamber

Integrated Heaters

### Steam Generator

Integrated Generator

Temperature range of 100°C to 138°C (0.2 - 2.4 Bar)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5.7” Colour Touch Screen Display & External Pressure Gauge	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5 Preprogrammed Cycles and up to 50 available	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Password levels to stop low level users making changes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Internal memory for storing up to 5,000 cycles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delayed start facility	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Media Holdwarm facility	<input checked="" type="checkbox"/>	
<b>Data Options</b>		
Integral Data Printer	<input type="checkbox"/>	<input type="checkbox"/>
RS232 for Hyperterminal data output	<input type="checkbox"/>	<input type="checkbox"/>
USB for USB Drive data output	<input type="checkbox"/>	<input type="checkbox"/>
Ethernet for remote screen viewing (requires VNC software)	<input type="checkbox"/>	<input type="checkbox"/>
Ethernet for Downloading cycle data (requires FTP software)	<input type="checkbox"/>	<input type="checkbox"/>
<b>Load Specific Options</b>		
Load sensed Process Timing (PT100 Sensor)	<input type="checkbox"/>	<input type="checkbox"/>
Pulsar Freesteaming for improved steam penetration	<input type="checkbox"/>	
Simple Vacuum (Pre vacuum air removal, Post vacuum cooling - Autofill models only)	<input type="checkbox"/>	
Advanced Vacuum (For porous loads)		<input type="checkbox"/>
Chamber heating for drying (requires Advanced Vacuum)		<input type="checkbox"/>
CAT 3 (BSL3) Compliance	<input type="checkbox"/>	<input type="checkbox"/>
<b>Cooling Options</b>		
Fan (Air) Cooling	<input type="checkbox"/>	
<b>Services</b>		
Automatic Chamber Fill/Drain	<input type="checkbox"/>	
Condensate Bottle (for models without Automatic Chamber Fill/Drain*)	<input type="checkbox"/>	

\*For models without Automatic Chamber Fill/Drain, during the cycle condensate leaves the vessel via a silicone tube that must be connected to a heat-resistant bottle (optional extra)

Standard  Optional

## ▶▶ Model Compatibility

	3420BT (33 Litres)	3430BT (43 Litres)	3440BT (63 Litres)	3220BT (33 Litres)	3230BT (43 Litres)	3240BT (63 Litres)
Heaters in chamber	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Heaters in chamber (With Autofill/Autodrain)				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Heaters in chamber (With Autofill/Autodrain and simple vacuum)				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steam Generator (With Autofill/Autodrain and Advanced Vacuum)				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Colour touch screens as standard

ATL Scientific autoclaves, steam generators and effluent decontamination system (EDS) incorporate the latest innovations in control system technology, providing colour touchscreen controllers as standard throughout the range.

ATL colour touch screen control systems are an advance in sterilization control technology. Bringing years of unrivalled experience, they produce a user friendly, fully automatic control system designed to meet and exceed the expectations of the most demanding laboratories and centres of sterilization.

The controller consists of a wipe clean touch screen measuring 122mm x 94mm and is based on an industrial PLC system, combined with a number of analogue and digital input/output modules. The controller software has been developed by ATL for the precision control of all our autoclaves and sterilizers.

## Standard Features

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Icon driven menu system

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Simple cycle selection

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Continual cycle monitoring

### Secure

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Data archiving for up to 5,000 cycles

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Multiple user access levels and multi-level password protection

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User log

### Flexible

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Ability to program up to 50 cycles

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Program new cycles, modify, duplicate or rename existing cycles

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Delayed start facility

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Hold warm facility (if applicable)

### Informative

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Digital display of pressure/temperature

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Cycle counter, stage timer, cycle timer and stage display

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Print any cycle from the data archive logs (printer required)

### Supportive

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Fault diagnosis

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Safety valve test cycle

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Machine service timer

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Fault history log

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## ▶▶▶ Regulatory compliances



## ▶▶▶ Corporate Social Responsibility



# Analytical Foundation

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## ▶▶▶ Reach us @



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