

A large industrial autoclave with a control panel on top and a stainless steel cart in front of it. The background is white with faint, overlapping grey shapes.

**PHOENIX**  
**L U F E R C O**

AUTOCLAVES AND ACCESSORIES

**PRODUCTS CATALOG**

# HORIZONTAL AUTOCLAVES

The horizontal autoclaves are manufactured in different capacities, with stainless steel chambers of RECTANGULAR or CYLINDRICAL format, opening systems with one or two doors (central steering wheel or sliding), in addition to options and accessories that make the equipment unique for the customer.

## Sliding Door RECTANGULAR CHAMBER MODELS 39209 and 39206



Capacity (liters)	Internal Dimensions (cm)		
	H	W	D
100	41	41	60
134	41	41	80
168	41	41	100
200	41	41	120
254	46	46	120
365	66	46	120
523	66	66	120
653	66	66	150
870	66	66	200

### CYLINDRICAL CHAMBER

Capacity (liters)	Internal Dimensions (cm)		
	H	W	D
100	41	41	60
200	41	41	120
317	46	46	150



## Central Steering wheel Door Closing RECTANGULAR CHAMBER MODELS 39209 and 39206



Capacity (liters)	Internal Dimensions (cm)		
	H	W	D
100	41	41	60
134	41	41	80
168	41	41	100
200	41	41	120
250	50	50	100
300	50	50	120
360	60	60	100
432	60	60	120
540	60	60	150
576	80	60	120
720	80	60	150
960	80	80	150

### CYLINDRICAL CHAMBER MODELS 39205

Capacity (liters)	Internal Dimensions (cm)	
	H	D
75	40	60
100	40	80
137	50	70
196	50	100
225	60	80
340	60	120



The presented dimensions are approximate and may undergo slight changes according to the configurations and accessories chosen by the customer. They can be manufactured in other capacities. Products are manufactured in compliance with the standards ABNT NBR 11816, ABNT NBR ISO 17665-1, EN ISO 14971, EN 285, EN 61010-1, EN IEC 61010-2-040, EN IEC 61326-1, EN 62304, EN 62366, and comply with the NR-13 regulatory standard and ASME for pressure vessels.

# AUTOCLAVE FOR WASTE TREATMENT - 39206R

Settings to better adapt to customer needs.  
Adaptability, versatility and effectiveness.



Autoclave designed for the treatment of solid waste for hospitals, industries, airports, and other institutions. It solves the need for proper disposal of materials with biological contamination by using saturated steam at high temperature and pressure for sterilization. Some features of this equipment include:

- Effluent treatment system that does not release contaminants into the environment.
- Working temperature of up to 150°C.
- Configurable production capacity according to the production needs.
- Container for load accommodation.



SOLID WASTE MODEL 39206R

\* **OPTIONAL** Shredding system to de-characterize the material

## ACCESSORIES & OPTIONALS

Complete line of accessories to assist in the work routine.  
TRUST, SAFETY AND PRACTICALITY.

### Registration and control



Printer



Remote access



IHM Touch Screen



USB Output

### Water efficiency and consumption



Cooling Tower and water reuse



Reverse Osmosis



Dry vacuum pump

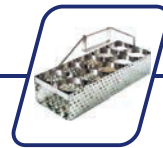
### Loading and transport



Internal transport car



Basket and basket holder



Cruets and bottle holder



Waster container

Applications	MODEL			
	39209	39206	39205	39206R
CME	✓		✓	Used for Sterilization of solid waste (RSS)
LABORATORIES		✓	✓	
INDUSTRIES		✓	✓	
ANIMAL FACILITIES		✓	✓	
MILK STATION		✓	✓	
HERMETIC LIQUID		✓	✓	

# LIFE SCIENCE

Steam autoclave for sterilization and infection control, ideal for various sectors. Meets the requirements of pharmaceutical, food, cosmetic industries, agribusiness, research institutes and healthcare service providers.

Autoclave with special configurations:

- Best cost-effectiveness per autoclave capacity.
- Customized loading system for optimal use of internal autoclave space.
- Water spray cooling system.
- Improved quality and reduced cooling process time.
- Sterilization for hermetic products.
- Capability to process materials in their final packaging.
- Water reuse system.
- Reduction in water consumption.



## Reliability and Connectivity

- Audit Trail
- Exclusive software ensuring process security and routine maintenance alarms
- FDA CFR 21 part 11 compliance
- Configurable cycles protected by user-level access
- Remote access
- Paperless recording system



## Availability

- Simplified operation interface - Standardized operation
- Intuitive and easy-to-maintain system
- Built with high-quality stainless steel - Increased lifespan.



# VERTICAL AUTOCLAVES AVS · AVS PLUS · AVS PUMP LINES

Find everything you need in vertical autoclaves in the AVS, AVS Plus and AVS PUMP Phoenix Lufenco lines. Find out which is the best option according to your needs:

Serial Items	AVS	AVS Plus	AVS Pump
Capabilities	30/50/75 and 100L	30/50/75 and 100L	100L
LCD display with keys for activation	✓		
Slow Cooling (manual despressurization)	✓	✓	
Slow Cooling (automatic despressurization)			✓
Thermal Printer		✓	✓
LCD display with membrane keypad		✓	✓
Air intake absolute Filter			✓
Vacuum Pump for drying with closed door			✓
Leak Test			✓
PMTA 1,8Kgf/cm <sup>2</sup> / 90 to 127°C	✓	✓	
PMTA 2,6bar / 90 to 135°C			✓
2 User Levels being: 1 - Operator 2 - Supervisor		✓	✓



## AV · AV-PLUS LINE

Phoenix Lufenco vertical autoclaves are traditionally used for sterilizing materials and various utensils in chemical, pharmaceutical and industrial laboratories.

- Working temperature up to 127°C
- Stainless steel lid
- Safety valve against overpressure.

Models with a capacity equal to or greater than 137 liters feature a lid opening system through a pedal.

- 3 temperature levels;
- Analog operation through a selector switch;
- Control valve with adjustable weight and counterweight system.

### AV Model



### Models AV and AV-PLUS

Capacity (liters)	Internal Dimensions (cm) D x D		Power (Watts)	Voltage (Volts)
18	25	40	1500	127 or 220
30	30	45	2000	127 or 220
50	35	50	3000	127 or 220
75	40	60	4000	127 or 220
100	40	80	4000	127 or 220
137	50	70	6000	220
150	50	80	6000	220
225	60	80	8000	220
250	60	90	8000	220
300	60	110	8000	220



### AV-PLUS Model

- Automatic elimination of internal air.
- Microprocessor controller with 10 programs and time and temperature setting possibilities.

OPTIONAL  
Thermal Printer

# BENCH AUTOCLAVES

Phoenix Luferco benchtop autoclaves are ideal for sterilizing and drying medical, veterinary and dental instruments.

## AB-12 AB-14 AB-19 e AB-21 Model



- Chamber and lid in stainless steel
- Microprocessor controller with 10 programs
- Flexible time and temperature programming (up to 135°C)
- On/Off button
- Manual supply of Chamber

## AB-25 e AB-42 Model



- Safety device against overpressure, temperature and electric shocks.
- Automatic internal air elimination
- Temperature Sensor
- Gravitational drying

Model	Capability (Liters)	Internal Dimensions (cm) D x D	Nº of Trays	Tray Dimensions (cm) W x D	Voltage (Volts)	Has Reservoir	VERSIONS Drying
AB-12	12	23 28	2	18 28	127 or 220	No	Gravitational
AB-14	14	23 35	3	18 35	127 or 220	No	Gravitational
AB-19	19	23 45	3	18 45	127 or 220	No	Gravitational
AB-21	21	23 50	3	18 50	127 or 220	No	Gravitational
AB-25	25	30 36	3	24 33	127 or 220	Yes	Gravitational or with vacuum pump
AB-42	42	30 60	3	24 57	220	Yes	

### Optional (Only for 25 and 42 liters autoclaves):

Vacuum pump, Thermal Printer, Cruets for Bottles and Leak Test and Bowie Dick Cycles.

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REABILITY AND TECHNOLOGY



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Specialists in the production of autoclaves, accessories and other solutions for the sterilization process, Phoenix Luferco develops its products always thinking about meeting the specific needs of customers. It currently offers equipment aimed at the health, laboratory and industrial areas, from the most diverse segments.

## TRADITION

With almost half a century of experience and tradition, Phoenix Luferco is a reference in the sector. Its factory has high production capacity and technology, with a 7,500 m<sup>2</sup> plant located in Araraquara - a strategic and ideal location to maintain delivery throughout Brazil and the export route to dozens of countries.

## QUALITY

In constant updating, the company has a solid Quality Management System certified based on ISO 9001 and ISO 13485 standards, which ensures the excellence of its processes and the production of its products in all stages and in the smallest details. In addition, it meets the Good Manufacturing Practices (GMP) requirements of ANVISA.

## REABILITY

Hundreds of hospitals, clinics, laboratories, universities and industries use Phoenix Luferco's sterilization solutions daily, in a practical and safe way.

The autoclaves are registered with the Ministry of Health (ANVISA), are manufactured under strict quality control and in accordance with applicable national and international standards, thus increasing the quality and safety in handling equipment and the effectiveness of sterilization processes.

**Phoenix Luferco: tradition, quality and reability at your fingertips.**

### CUSTOMER SERVICE:

Monday to Friday  
7:30 am to 12:30 pm  
1:30 pm to 5:15 pm

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