Compact Autoclaves

Phoenix Benchtop

Design Features
- 40 or 60 litres
- MP25 Control (see page 7)
- Space-saving design
- Single phase 'plug in & play'
- Integral drip tray under each door
- Bench or trolley mounted
- Phoenix 40 has capacity for up to 13 x 1L media bottles
- Can be completely stand alone

Optional Accessories
- Fan accelerated cooling
- Loading baskets
- Waste discard system
- Condense collector (eliminates need for a plumbed drain service)
- Range of data recording options
- Scale prevention systems
- Automatic fill
- Vacuum air removal systems

Capacities and Dimensions		
Model	Phoenix 40	Phoenix 60
Chamber Capacity:	40 litres	60 litres
Vessel Dimensions (mm):	350Ø x 460 deep	350Ø x 600d deep
Overall Dimensions (mm):	550w x 790h x 710d	550w x 790h x 860d

Monarch

Design Features
- 50 or 75 litres
- Counterbalanced lid for easy opening
- MP25 control (see page 7)
- Angled control panel
- Space-saving design
- Exceptionally low loading height (50)
- Fits most fermentation vessels and bioreactors (75)

Optional Accessories
- Fan accelerated cooling
- Additional loading baskets
- Condense collector (eliminates need for a plumbed drain service)
- Waste discard system
- Range of data recording options
- Automatic fill
- Vacuum air removal systems

Monarch 50 Features
- Designed to fit underneath a standard bench
- Single phase 3kw 'plug in and play'

Monarch 75 Features
- Fits up to 3 loading baskets
- Powerful 4kw heater

Capacities and Dimensions		
Model	Monarch 50	Monarch 75
Chamber Capacity:	50 litres	75 litres
Vessel Dimensions (mm):	350Ø x 520 deep	350Ø x 780 deep
Overall Dimensions (mm):	470w x 840h x 690d	470w x 1100h x 690d

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Medium Capacity Autoclaves

Ensign

Design Features
- 100 & 125 litres
- MP25 control (see page 7)
- Space-saving design
- Counterbalanced lid for easy opening
- Available in electrically heated version or from a piped steam source

Formats
1) 6 kW in-chamber heating (100)
2) 9 kW in-chamber heating (100 & 125)
3) Heated from an external steam supply
4) Remote steam heated with generator

Optional Accessories
- Fan accelerated cooling
- Hydraulic loading trolley
- Air ballasting option
- Loading baskets
- Waste discard system
- Drain line condenser for plastic drains
- Range of data recording options
- Scale prevention systems
- Automatic fill
- Vacuum air removal systems

Capacities and Dimensions		
Model	Ensign 100	Ensign 125
Chamber Capacity:	100 litres	125 litres
Vessel Dimensions (mm):	460Ø x 570 deep	460Ø x 723 deep
Overall Dimensions (mm):	560w x 1090h x 800d	560w x 1240h x 800d* 560w x 1240h x 1100d**
*Without loading step **With loading step		

Ambassador

Design Features
- 100 or 158 litre variants
- MP25 control (see page 7)
- Cost effective hinge / bolt door
- Space-saving design
- Integral drip tray under door
- Fixed seal

Formats
1) 6 kW in-chamber heating (100)
2) 9 kW in-chamber heating (100 & 158)
3) Heated by an integrated 9kW steam generator
3) Heated from an external steam supply
4) Double door "pass through" version available (158L)

Optional Accessories
- Fan accelerated cooling
- Loading trolley
- Air ballasting option
- Loading baskets
- Waste discard system
- Drain line condenser for plastic drains
- Range of data recording options
- Scale prevention systems
- Automatic fill
- Vacuum air removal systems
- Integrated steam generator

Capacities and Dimensions		
Model	Ambassador 100	Ambassador 158
Chamber Capacity:	100 litres	158 litres
Vessel Dimensions (mm):	460Ø x 610 deep	460Ø x 960 deep
Overall Dimensions (mm):	650w x 1240h x 1160d	650w x 1240h x 1310d

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Large Capacity Autoclaves (Round Chambers)

Gemini

Totally Unique: Two independent autoclaves in one robust frame!

Design Features
- 2 x 158 litre vessels
- 316 litre total capacity
- MP25 control (see page 7)
- Independent control of each chamber
- Space-saving design
- Can be used as a clean and dirty autoclave in one frame
- Integral drip tray under each door
- Available in electrically heated version or from a piped steam source
- Integrated steam generator available

Optional Accessories
- Fan accelerated cooling
- Hydraulic loading trolley
- Air ballasting option
- Loading baskets
- Waste discard system
- Drain line condenser for plastic drains
- Range of data recording options
- Scale prevention systems
- Automatic fill
- Vacuum air removal systems

Capacities and Dimensions	
Model	**Gemini 316**
Chamber Capacity:	158 litres x 2
Vessel Dimensions (mm):	460Ø x 960 deep (x2)
Overall Dimensions (mm):	650w x 1970h x 1310d

Sovereign

Design Features
- 200 & 250 litre variants
- Economy round chamber
- MP25 control (see page 7)
- Cost effective hinge / bolt door
- Space-saving design
- Integral drip tray under door
- Available in electrically heated version or from a piped steam source
- Fixed seal
- Integrated steam generator available

Formats
1) Heated from within the chamber
2) Integral steam generator separate from the chamber
3) Heated from an external steam supply
4) Remote steam heated with generator back-up

Optional Accessories
- Fan accelerated cooling
- Loading trolley
- Air ballasting option
- Loading baskets
- Waste discard system
- Drain line condenser for plastic drains
- Range of data recording options
- Scale prevention systems
- Automatic fill
- Vacuum air removal systems

Capacities and Dimensions		
Model	**Sovereign 200**	**Sovereign 250**
Chamber Capacity:	200 litres	250 litres
Vessel Dimensions (mm):	545Ø x 860 deep	545Ø x 1057 deep
Overall Dimensions (mm):	830w x 1800h x 1450d	830w x 1800h x 1450d

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Large Capacity Autoclaves (Square Chambers)

Crystal

Design Features
- 300 litres
- Square section chamber
- MP25 control (see page 7)
- Cost effective hinge / bolt door
- Space-saving design
- Integral drip tray under door
- Available in electrically heated version or from a piped steam source
- Fixed seal
- Integrated steam generator
- Fan accelerated cooling

Formats
1) Integral steam generator separate from the chamber
2) Heated from an external steam supply
3) Remote steam heated with generator back-up
4) Double door "pass-through" version available

Optional Accessories
- Loading trolley
- Air ballasting option
- Loading baskets
- Waste discard system
- Drain line condenser for plastic drains
- Range of data recording options
- Scale prevention systems
- Automatic fill
- Vacuum air removal systems

Capacities and Dimensions	
Model	Crystal 300
Chamber Capacity:	300 litres
Vessel Dimensions (mm):	510w x 510h x 1030d
Overall Dimensions (mm):	830w x 1800h x 1450d

Sapphire

Design Features
- 330, 440, 550, 660 & 770 litre variants
- Square section chamber
- MP25 control (see page 7)
- Reliable 'Hoist and Clamp' door
- Fixed seal
- Integral drip tray under door
- Accelerated water cooling jacket
- Compact
- Integrated steam generator
- Super fast cycle times!

Formats
1) Integral steam generator separate from the chamber
2) Heated from an external steam supply
3) Remote steam heated with generator back-up
4) Double door "pass-through" version available (550, 660 & 770)

Optional Accessories
- 15 min. 'flash cycle' option
- Loading trolley
- Air ballasting option
- Loading baskets
- Waste discard containers
- Drain line condenser for plastic drains
- Range of data recording options
- Scale prevention systems
- Steam jacket drying
- Vacuum air removal systems

Capacities and Dimensions			
Model	Sapphire 330	Sapphire 440	Sapphire 550
Chamber Capacity:	330 litres	440 litres	550 litres
Vessel Dimensions (mm):	670w x 670h x 745d	670w x 670h x 936d	670w x 670h x 1099d
Overall Dimensions (mm):	980w x 1930h x 1530d	980w x 1930h x 1530d	980w x 1930h x 1530d
Model	Sapphire 660	Sapphire 770	
Chamber Capacity:	660 litres	770 litres	
Vessel Dimensions (mm):	670w x 670h x 1274d	670w x 670h x 1455d	
Overall Dimensions (mm):	980w x 1930h x 1750d	980w x 1930h x 1900d	

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