ACORNSCIENTIFIC

A Guide to Choosing Your Autoclave



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Factors to Consider

01 - OBJECT TO STERILISE

Media? Waste? Labware?

02 - DRYING REQUIREMENTS

Touch dry required?

03 - CYCLE REQUIREMENTS

Number of cycles? Cycle time?

04 - VACUUM REQUIREMENTS

Porous loads and/or faster cycle times?

05 - TEMPERATURE REQUIREMENTS

Load temperature required?

Factors to Consider

06 - VOLUME OF CHAMBER

Litres needed?

07 - SPACE AVAILABILITY

Size of space? Service access?

08 - SERVICE AVAILABILITY

Compressed air or steam supply?

09 - ACCESSORIES

Other options



FACTOR ONE

Media? Waste? Labware?

Before determining which autoclave is suitable for your requirements, identify the load you will be sterilising. Will it be media, waste, or labware? Solids or liquids? In what format or size?

FACTOR TWO

Touch dry required?

Various drying options are available including "dry to the touch" which is often a requirement for medical instruments.





FACTOR THREE

Number of cycles? Cycle time?

How many cycles are made per day? Are there cycle time requirements or constraints?

FACTOR FOUR

Porous loads and/or faster cycle times?

Vacuum options are available to allow steam to reach and penetrate porous areas. A vacuum option is recommended for porous loads and/or for faster cycle times.





FACTOR FIVE

Load temperature required?

What is the temperature required for your loads?

FACTOR SIX

Litres needed?

Gauge how much material you will be sterilising to determine what capacity chamber you require. The volume of chambers available vary from 8L to 770L.





FACTOR SEVEN

Size of space? Service access?

What is the width, depth and height of the space for the autoclave to fit in? Allowances for electrical, water and drain connections and service access should be made.

FACTOR EIGHT

Compressed air or steam supply?

Is in-house compressed air or steam supply available?





FACTOR NINE

Other options

- USB, printer or network for data recording
- Vacuum break filter, air removal filter and/or HEPA monitoring
- Simple or advanced vacuum options
- Advance drying options
- Air ballasting for liquid loads
- Condensate for retention cycle
- Condensate collection device
- Validation port
- Loading trolley
- Water supply softening system
- Baskets and discard bins
- Consumables for temperature monitoring/load validations

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