Miele A620, A621, A622 Injector Module Instruction Manual

Contents

Miele A620, A621, A622 Injector Module

Product Information
The product is an injector module that comes in three models: A 620, A 621, and A 622. It is used for a specific application and is accompanied by an operating manual in multiple languages.

The product is designed to be used with a specific cart/wagon,as described in the manual. It has a display for easy operation and troubleshooting. The product also includes different accessories such as hold grids for specific models.
The product has specific capacity limits for different types of containers, including laboratory bottles, round flasks, Erlenmeyer flasks, and measuring flasks. The maximum volumes allowed vary depending on the model.
The product also has a specific assembly process, including attaching and detaching hold grids.

Product Usage Instructions

1. Refer to the user manual of the cart/wagon for instructions on how to insert and remove the injector module.
2. Prior to loading and starting any program, check the laboratory bottles and different types of flasks for proper attachment and secure fastening of rinsing devices such as sleeves and nozzles.
3. For each model (A 620, A 621, A 622), refer to the respective section in the user manual for the maximum volume limits for different types of containers (laboratory bottles, round flasks, Erlenmeyer flasks, measuring flasks).
4. When assembling the hold grid, follow the steps provided in the user manual. Place the struts of the hold grid onto the module and rotate the brackets on the struts. Ensure that the locking hooks on the brackets are engaged. Repeat this process for the other three struts. Then, slightly pull down the locking hooks on the brackets and rotate the brackets. Repeat this process for the other three struts. Finally, lift the hold grid off the module when needed.

Notes about these instructions

Important warnings

Information which is important for safety is highlighted in a thick framed box with a warning symbol. This alerts

you to the potential danger of injury to people or damage to property.
Read these warning notes carefully and observe the procedural instructions and codes of practice they describe.

Notes
Information of particular importance that must be observed is highlighted in a thick-framed box.
Additional information and comments
Additional information and comments are contained in a simple frame.

Operating steps
Operating steps are indicated by a black square bullet point.

Example:

- Select an option using the arrow buttons and save your choice with OK.

Display
Certain functions are shown in display messages using the same font as that used for the function itself in the display.

Example:

Settings  menu.

Appropriate use

This module can be used to reprocess machine-processable laboratory glassware and utensils in a Miele washer-disinfector for laboratory glassware and utensils. Follow the operating instructions for your washer-disinfector as well as the instructions of the glassware and utensil manufacturer on how to reprocess their items by machine.
The A 620, A 621 and A 622 injector modules are suitable for reprocessing narrow-necked laboratory glassware.
The modules are to be used in an A 503 mobile unit.
The washer-disinfector is generally referred to as “the machine” in these operating instructions. Reprocessable laboratory glassware and utensils are referred to as “items” if they are not more closely defined.

Queries and technical problems
If you have any queries or technical problems that you would like to discuss please contact Miele. Contact details can be found at the back of the Operating Instructions for your washer-disinfector or go to **www.miele-professional.com**.

Items Supplied

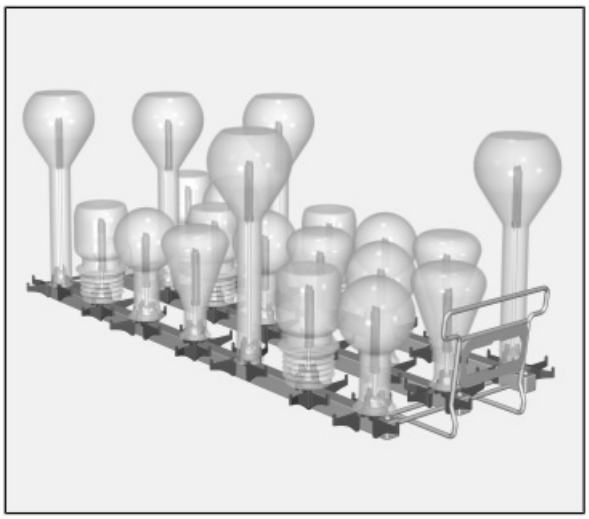
Load carriers
A 620

- A 620 injector module, height 113 mm, width 142 mm,depth 614 mm,sample load on injector nozzles A 840 and A 841

A 620 + A 850

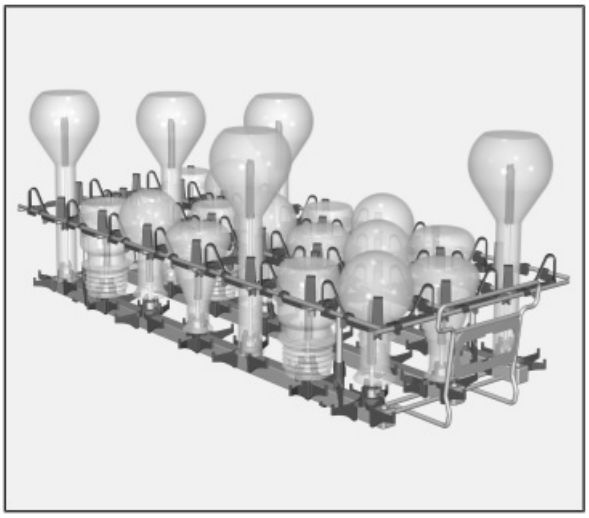
- A 620 injector module with A 850 frame and centring aids, sample load on injector nozzles A 840 and A 841

A 621



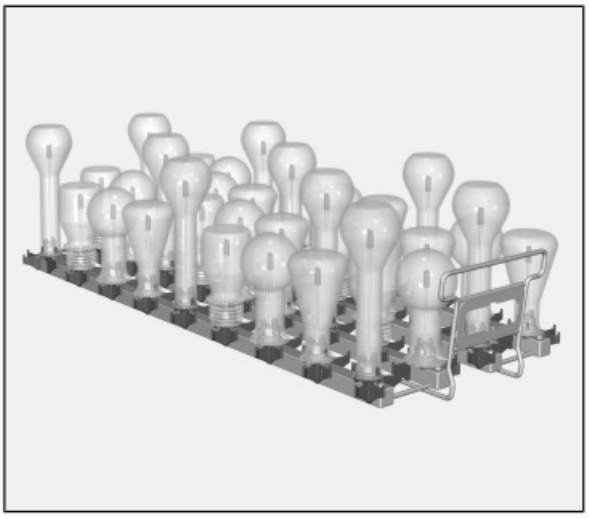
- A 621 injector module, height 113 mm, width 184 mm,depth 614 mm,sample load on injector nozzles A 842 and A 843

A 621 + A 851



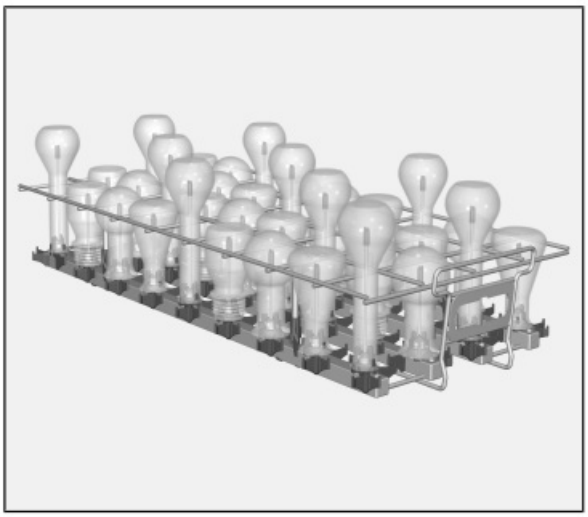
A 621 injector module with A 851 frame and centring aids, sample load on injector nozzles A 842 and A 841

A 622



- A 622 injector module, height 113 mm, width 208 mm,depth 614 mm,sample load on injector nozzles on A 844 and A 845

A 622 + A 852



- A 622 injector module with A 852 frame, sample load on injector nozzles A 844 and A 845

Disposal of the packing material

The packaging is designed to protect against transportation damage.
The packaging materials used are selected from materials which are environmentally friendly for disposal and should be recycled.
Recycling the packaging reduces the use of raw materials in the manufacturing process and also reduces the amount of waste in landfill sites.

Optional accessories

The following and other accessories are available to order from Miele:

- A 843, injector nozzle, length 185 mm, Ø 4 mm
  The injector nozzle is suitable for items with an opening width of 10 to 70 mm.
- A 840, injector nozzle, length 130 mm, Ø 6 mm
  The injector nozzle is suitable for items with an opening width of 12 to 85 mm.
- A 841, injector nozzle, length 210 mm, Ø 6 mm
  The injector nozzle is suitable for items with an opening width of 12 to 85 mm.
- A 842, injector nozzle, length 90 mm, Ø 4 mm
  The injector nozzle is suitable for items with an opening width of 10 to 70 mm.
- A 844, injector nozzle, length 80 mm, Ø 2.5 mm
  The injector nozzle is suitable for items with an opening width of 6 to 55 mm.
- A 845, injector nozzle, length 125 mm, Ø 2.5 mm
  The injector nozzle is suitable for items with an opening width of 6 to 55 mm.
- A 850 – A 850 frame for A 620, with centring aids
- A 851 – A 851 frame for A 621, with centring aids
- A 852 – A 852 frame for A 622

Warning and Safety instructions

Read the operating instructions carefully before using this load carrier.
This will help protect users from personal injury, and help protect the load carrier from damage.

Keep these operating instructions in a safe place.

Please also read the operating instructions for your washer-disinfector and pay particular attention to the Warning and Safety instructions.

- The module is approved solely for the applications specified in the operating instructions. Components such as nozzles may only be replaced with Miele accessories or genuine Miele original spare parts.
  Alterations or conversion of the machine, or using it for purposes other than those for which it was intended, are not permitted and could be dangerous.
- New load carriers must be cleaned in the washer-disinfector without a load prior to first use.
- Inspect all load carriers as described in the “Maintenance” section in the operating instructions for the cleaning machine.
- Only items which have been declared by their manufacturer as suitable for machine reprocessing may be processed. The manufacturer’s specific reprocessing instructions must be observed.
- Broken glass can result in serious injury when loading or unloading.
  Damaged glass items must not be reprocessed in the machine.
- Only ever place empty, unloaded modules in the mobile unit.
  Check that they are correctly engaged before loading them.
  Modules must be completely emptied before removing them.
  Placing loaded modules in mobile units or removing them can cause damage to the wash load and cause injury should glassware be broken.
- The reprocessing result must be checked as necessary using a suitable test method and not just by a visual check.
  Miele cannot be held liable for damage caused by non-compliance with these Warning and Safety Instructions.

Areas of application

The operating instructions for the loading carriage describe how to insert and remove the modules.
To check before loading the machine and before starting a programme

- Check that fittings such as irrigation sleeves and injector nozzles are securely screwed into position.
  - Make sure that all screw connectors are fitted with injector nozzles, adapters, irrigation sleeves or blind stoppers to ensure that all fittings in use are supplied with sufficient standardised pressure.
    Damaged fittings such as injector nozzles, adapters and irrigation sleeves must not be used.

Fittings not equipped with wash items do not have to be replaced blind stoppers.

- Is the module correctly docked to the water supply in the injector unit?

Sample loads

Shapes of items

Laboratory flasks	Round flasks	Erlenmeyer flasks	Measuring flasks
			

A 620
The A 620 module has 10 positions for reprocessing items. It is designed for items with a volume from 200 ml to 1000 ml.

Capacity

Volume [ml]	Laboratory flasks	Round flasks	Erlenmeyer flasks	Measuring flasks
200–500	Max. 10	Max. 10	Max. 10	Max. 10
1000	Max. 10	Max. 5*	Max. 5*	Max. 5*

Plus 5 x items with a smaller volume

A 621
The A 621 module has 20 positions for reprocessing items. It is designed for items with a volume from 50 ml to 250 ml.

Capacity

Volume [ml]	Laboratory flasks	Round flasks	Erlenmeyer flasks	Measuring flasks
50	Max. 20	Max. 20	Max. 20	–
100–200	Max. 20	Max. 20	Max. 20	Max. 20
250	Max. 20	Max. 10*	Max. 10*	Max. 10*

Plus 10 x items with a smaller volume

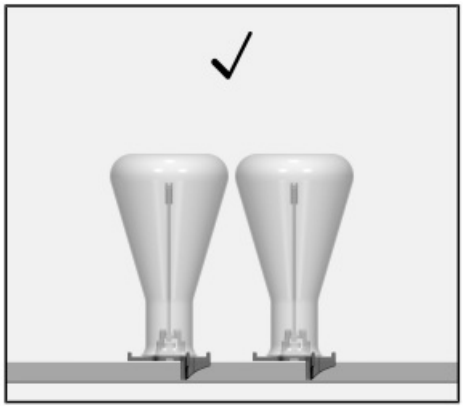
A 622
The A 622 module has 36 positions for reprocessing items. It is designed for items with a volume from 20 ml to 100 ml.

Capacity

Volume [ml]	Laboratory flasks	Round flasks	Erlenmeyer flasks	Measuring flasks
20–50	Max. 36	Max. 36	Max. 36	Max. 36
100	Max. 36	Max. 18*	Max. 18*	Max. 18*

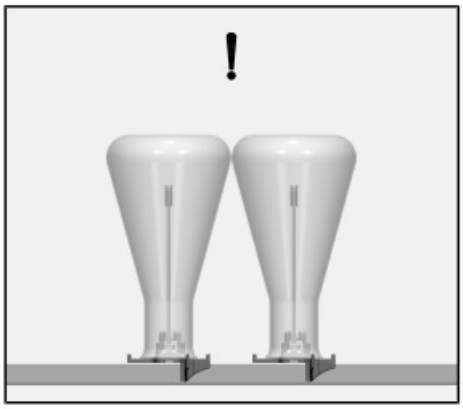
Plus 18 x items with a smaller volume

Preparing the load



Ideally, a gap should be left between neighboring items when they are reprocessed.

An additional frame can be mounted when reprocessing particularly fragile items. This prevents them from touching each other if they are moved by the force of water during reprocessing.



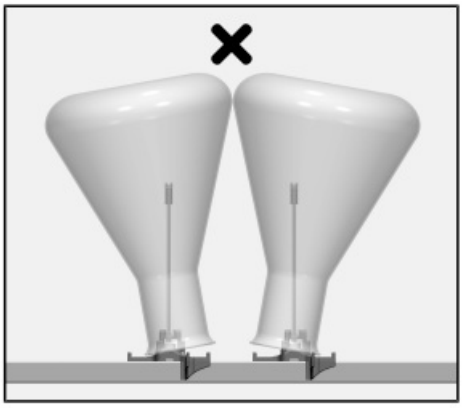
If bulbous items are loaded in neighboring positions in the module, the items may touch each other.
If the cleaning and rinsing requirements are particularly high, a different position must be selected on the module for these items.

Damage to the items.

If items touch each other during reprocessing, damage can occur at the points of contact, for example, the items may become scratched or the glass may break.

If the items are fragile:

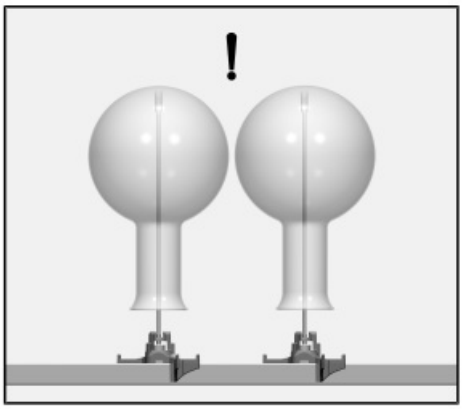
- Select a different position on the module
- Use a frame
- Select a module with a greater distance between the nozzles



Damage to the items.
The rims of the items should rest fully on the support of the injector nozzle. If items dislodge neighbouring nozzles, damage can occur during reprocessing, for example, the items may become scratched or the glass may break.

Use:

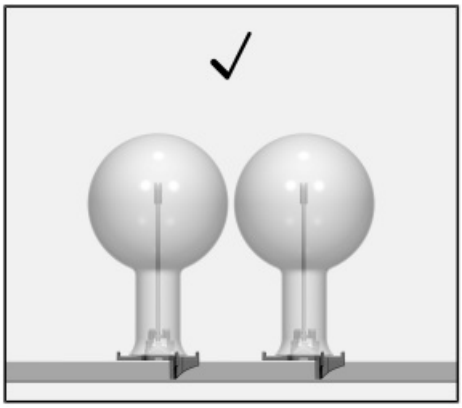
- A different position on the module
- A module with a greater distance between the nozzles



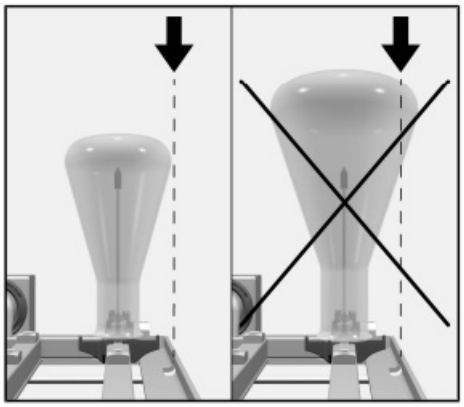
The tip of the nozzle is designed so that it can touch the bottom of a piece of glassware during reprocessing. The shape of the protective cap ensures that water can flow out of the nozzle during repro-cessing.

Damage to the items.

If items are reprocessed frequently, their surfaces may be damaged at the point where the nozzle touches them, for example, the items may become scratched.
If the items are fragile, select a shorter nozzle to prevent the nozzle from coming into contact with the item.



If the cleaning and rinsing requirements are particularly high, a shorter nozzle must be selected.



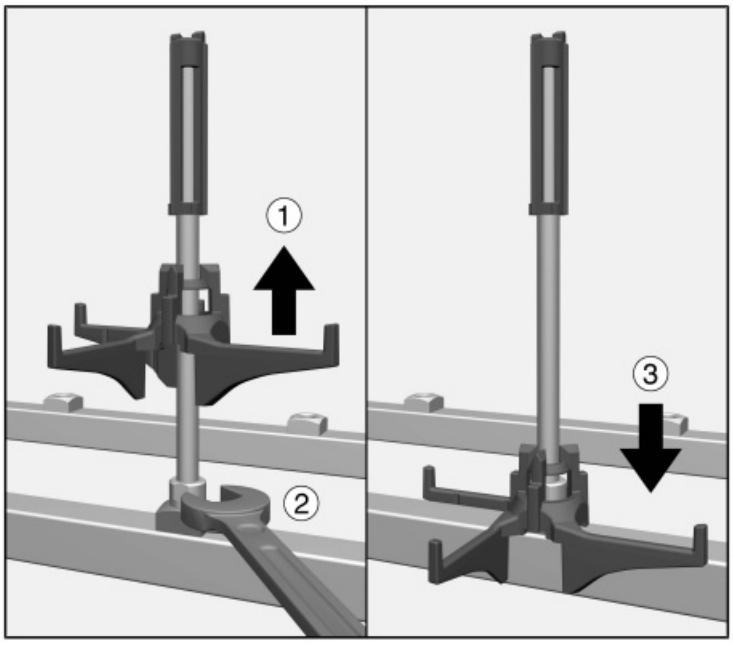
Glassware must not extend beyond the sides of the load carrier.

Installation

Tools required:
– 9 mm Spanner (WAF 9)

Installation

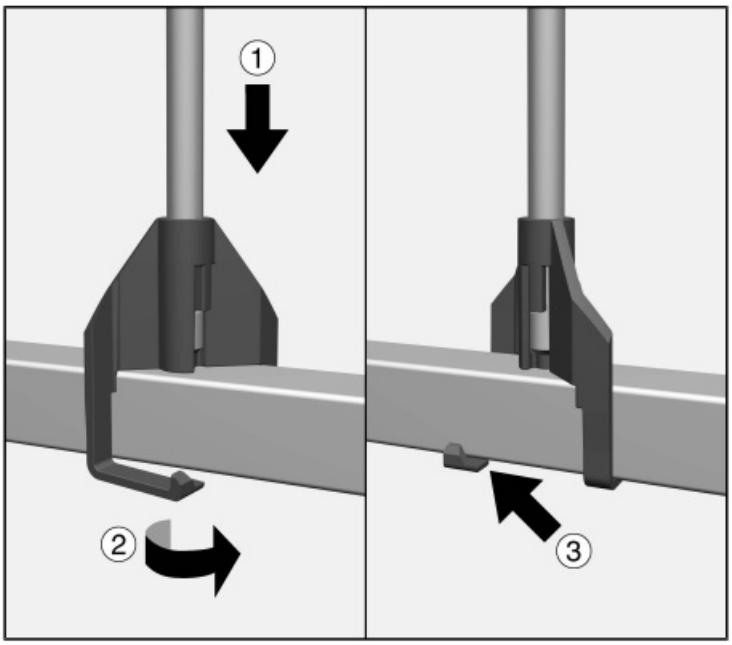
Screwing the injector nozzle onto the module



- Lift up the support on the injector nozzle and screw the injector nozzles into the required position 1.
- Use the spanner to tighten the injector nozzle 2.
- Slide the support on the injector nozzle downwards until it rests on the water supply pipe 3.

  Screw the other injector nozzles into the required positions.

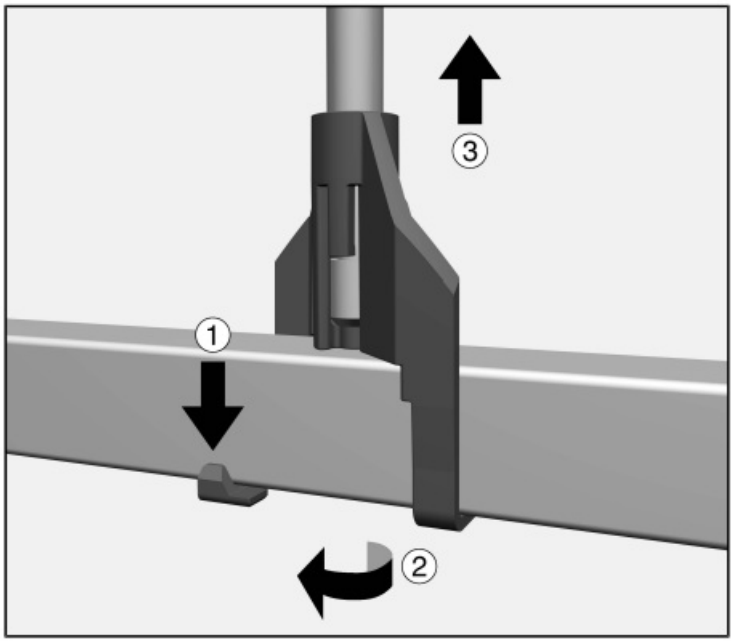
Securing the frame



- Position the rods for the frame on the module 1.
- Turn the supports on the rods of the frame 2.

  The locking retainers on the supports lock into place 3.
- Repeat the process for the other 3 rods.

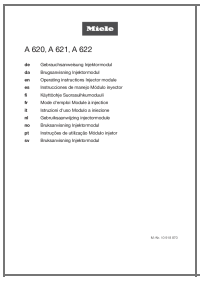
Removing the frame



- Pull the locking retainers downwards slightly 1 and turn the supports 2.
- Repeat the process for the other 3 rods.
- Lift the frame off the module 3.

Manufacturing site:
Miele & Cie. KG
Mielestraße 2
33611 Bielefeld
Germany
Internet: www.miele.com/professional

Documents / Resources

	Miele A620, A621, A622 Injector Module [pdf] Instruction Manual A620, A621, A622, A620 A621 A622 Injector Module, A620 Injector Module, A621 Injector Module, A622 Injector Module, Injector Module, Module

References

- Professional
- Miele Professional - Bem-vindo ao nosso website
- Miele Professional – Välkommen till vår hemsida
- Professional
- Miele A/S er leverandør af førsteklasses hårde hvidevarer.
- Miele Professional | Soluzioni per il Lavaggio Professionale
- Miele Professional – hjertelig velkommen til nettstedet vårt