

Miele

Strong and Flexible:

The PLW 86 Large-Chamber Laboratory Glasswasher

Miele Professional. Immer Besser.



A Holistic Approach to the Reprocessing of **Laboratory Glassware**

The new PLW 86 model series sets new standards in terms of performance and user-friendliness. An entirely redesigned washing system boasts considerably better performance compared with the previous model series and, thanks to a variable-speed pump, is able to adjust circulation pressure and water consumption to each load.

All models feature spray arm monitoring and a conductivity sensor. This ensures the security and quality of the cleaning process.

The high-quality colour touch display in combination with the innovative multi-colour chamber lighting makes for an intuitive user interface and excellent control over the entire process.

The new EasyLoad system simplifies loading and supports users in correctly positioning their items of laboratory glassware.

In combination with other benefits, laboratory glasswashers from Miele stand for clear gains in terms of performance, user convenience and safety.

EASYLOAD

360 PRO

Safety & Performance

Working in Perfect Harmony



Two machine widths for optimum installation and performance

- 900 mm and 1150 mm wide units using the same load carriers
- Same performance and benefits. Specific, optimised load carriers and modules for a wide range of laboratory glassware in combination with the unique EasyLoad system
- Space-optimised load carrier concept. Perfect results in daily use relying on considerably fewer load carriers and modules
- For installation in a diaphragm wall, the 900 mm wide unit is also available as a barrier (2-door) machine



Unique pump combination with variable-speed pump

- 2-pump system for maximum performance
- Variable-speed pump for optimum adjustment of spray pressure to load size and process requirements
- Second pump exclusively for machine spray arms

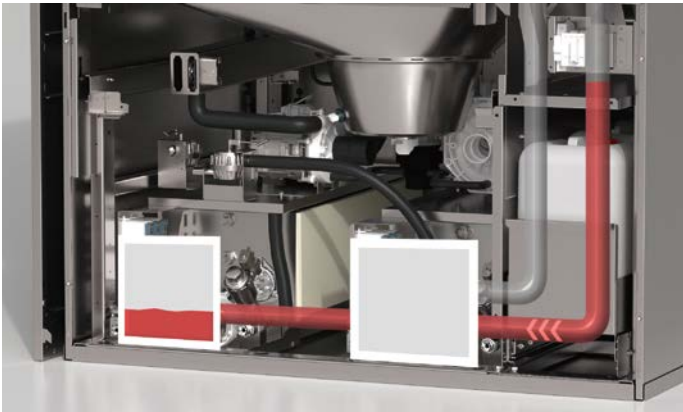
Exclusive to Miele



Flexible loading

- High capacity through completely revised load carrier programme, saves time, storage space and costs
- A modular basket concept adapts flexibly to a variety of load situations with an intuitive user interface and modules which can be combined in a wide number of configurations
- Depending on the model, the continued use of existing load carriers from the PG 8527 series is possible

Exclusive to Miele



Machine options for efficiency and the sparing use of resources

- Pre-heating tank for shorter process cycles
- Recycling tank to conserve water and energy
- Water volume adjusted to load size

Exclusive to Miele



High-performance drying

- Two drying units for optimum drying results
- HEPA H14 filter for the ultimate in safety
- The HEPA filters are located directly at the entrance to the chamber so as to reliably remove particles released upstream by the fan and the heater elements.

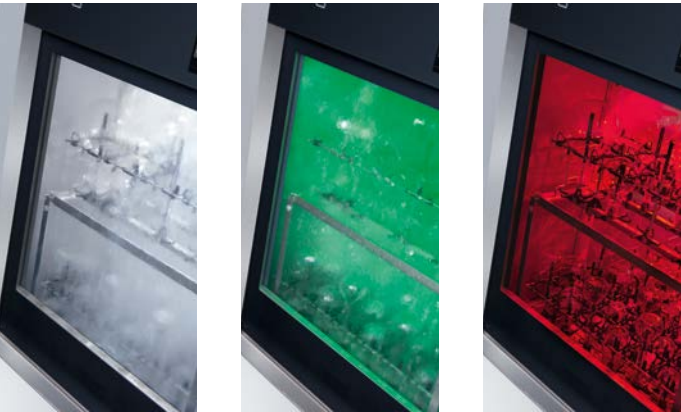
Exclusive to Miele

Efficiency and Sustainability



Intuitive operation and programmable controls

- 7" colour touch display for intuitive user interface and simple process control
- Flush display in machine front for simple and safe cleaning
- Pre-installed programmes, modifiable to suit individual needs
- 200 programme memory slots



Multi-colour chamber lighting with status indicator

- Multi-colour LED chamber lighting (white, green, red)
- Visual control of reprocessing
- Simple visualisation of machine status indicated by chamber colour and visible from a distance



Hygienic chamber design

- Optimised chamber design with pitched surfaces and cove corners
- Heater elements located outside chamber
- Chamber produced on high-precision robotic laser welding system
- Steel quality 1.4404 / 316 L



Intelligent filter design with self-cleaning effect

- 2-component filter consisting of coarse and fine filters
- Fine filter with 0.2 mm mesh for the reliable removal of even the smallest particles
- Reduced effort involved in cleaning filters thanks to self-cleaning effect during drainage



Conductivity sensor and spray arm monitoring

- Process control and residue-free final rinse thanks to integrated conductivity sensor
- Monitoring of spray arm speed for reproducible cleaning results
- Spray arms with optimised nozzle design



Perfect cleaning results thanks to interaction between machine and ProCare Lab process chemicals

- Storage space for ProCare Lab process chemicals underneath machine (also on 900 mm wide units)
- Space for up to 4 x 10 l canisters
- Simple handling thanks to dispensing system drawer
- 2 dispenser pumps, extendible to max. 6 dispenser pumps
- Dispensing monitoring with high-precision oval wheel counters

Large-Chamber Laboratory Washer

PLW 8615, PLW 8616 and PLW 8617



Manage laboratory glasswashers efficiently	PLW 8615	PLW 8616	PLW 8617
Load capacity			
Bottles, 1000 ml, Ø 100 mm	60	60	60
Bottles, 250 ml, Ø 70 mm	180	180	180
Bottles, 100 ml, Ø 56 mm	324	324	324
Pipettes	294	294	294
Phials	588	588	588
Features (basic version)			
External dimensions [Width x Height¹ x Depth mm]	900x2495x990	900x2495x990	1150x2495x990
Chamber dimensions [Width x Height x Depth mm]	650x675x800	650x675x800	650x675x800
Usable capacity [l]	351	351	351
Programmes	Max. 200	Max. 200	Max 200
Programme selection	7" colour touch display	7" colour touch display	7" colour touch display
Drain valve	◆	◆	◆
3-colour chamber lighting as status indicator	◆	◆	◆
2-pump technology with variable-speed pump	◆	◆	◆
2-component filter with fine filter (0.2 mm mesh)	◆	◆	◆
Voltage	3N 400 V AC 50 Hz	3N 400 V AC 50 Hz	3N 400 V AC 50 Hz
Single-door model	◆	—	◆
Barrier (2-door) model	—	◆	—
Full-glass automatic door	◆	◆	◆
Chamber material	1.4404/316L	1.4404/316L	1.4404/316L
Dispenser pumps [qty]	2	2	2
Dispenser pumps, retrofittable [qty]	4	4	4
Capacity: Process chemicals	4 x 5 l or 2 x 5 l + 1 x 10 l	4 x 5 l or 2 x 5 l + 1 x 10 l	4 x 10 l
Conductivity meter	◆	◆	◆
Spray arm monitoring	◆	◆	◆
Features (model-dependent)			
Electric heating	◆	◆	◆
Electric/steam heating	◆	◆	◆
Pre-heating tank	—	—	◆
Recycling tank	—	—	◆
Combi tank (Pre-heating / Recycling)	◆	◆	—
Optional modules			
Drain pump	◆	◆	◆
Hot-air drying, electric incl. HEPA H14 filter	◆	◆	◆
Steam condenser²	◆	◆	◆
Printer	◆	◆	◆
Plinth / Floor tray	—	◆	—
Plinth floor tray, plinth / floor tray, roller tray	◆	—	◆

¹ incl. plinth floor tray, 100 mm, ² only in combination with hot-air drying

Model Versions and Modules

Basis version

	Doors		Heating		Tank features			Mat. no.	Art. no.
Model	1 door	2 doors	Electric	Electric/Steam	Pre-heating tank	Recycling tank	Combi tank		
PLW8615	◆	—	◆	—	—	—	—	11046380	62861501
PLW8615 CT	◆	—	◆	—	—	—	◆	11046400	62861502
PLW8615 EL/S	◆	—	—	◆	—	—	—	11046410	62861503
PLW8615 EL/S CT	◆	—	—	◆	—	—	◆	11046420	62861504
PLW8616	—	◆	◆	—	—	—	—	11046430	62861601
PLW8616 CT	—	◆	◆	—	—	—	◆	11046440	62861602
PLW8616 EL/S	—	◆	—	◆	—	—	—	11046490	62861603
PLW8616 EL/S CT	—	◆	—	◆	—	—	◆	11046510	62861604
PLW8617	◆	—	◆	—	—	—	—	11046520	62861701
PLW8617 TH	◆	—	◆	—	◆	—	—	11046530	62861702
PLW8617 RT	◆	—	◆	—	—	◆	—	11046540	62861703
PLW8617 TH RT	◆	—	◆	—	◆	◆	—	11046550	62861704
PLW8617 EL/S	◆	—	—	◆	—	—	—	11046560	62861705
PLW8617 EL/S TH	◆	—	—	◆	◆	—	—	11046570	62861706
PLW8617 EL/S RT	◆	—	—	◆	—	◆	—	11046580	62861707
PLW8617 EL/S TH RT	◆	—	—	◆	◆	◆	—	11046590	62861708

Optional modules

Model	Description	Mat. no.	Art. no.	EAN no.	Price in EUR
DU 900	Drying unit, electric, for 900 mm machines, for internal and external drying of loads.	10880710	69250004D	4002515991763	
DU 900	Drying unit, electric, for 900 mm machines, for internal and external drying of loads.	11382230	69250004USA	4002516265153	
DU 900 RV	Drying unit, with vent grille, electric, for 900 mm machines, for internal and external drying of loads.	11382320	69250006USA	4002516265177	
DU 900 RV	Drying unit, with vent grille, electric, for 900 mm machines, for internal and external drying of loads.	11324820	69250006D	4002516265139	
DU 1150	Drying unit, electric, for 1150 mm machines, for internal and external drying of loads.	11382260	69250005USA	4002516265160	
DU 1150	Drying unit, electric, for 1150 mm machines, for internal and external drying of loads.	10880760	69250005D	4002515992135	
DU 1150 RV	Drying unit, with vent grille, electric, for 1150 mm machines, for internal and external drying of loads.	11382350	69250007USA	4002516265184	
DU 1150 RV	Drying unit, with vent grille, electric, for 1150 mm machines, for internal and external drying of loads.	11324850	69250007D	4002516265146	
TC 900¹	Top-box panelling, for 900 mm machines, without steam condenser or drying unit.	10880700	69252003D	4002515991756	
TC 1150¹	Top-box panelling, for 1150 mm machines, without steam condenser or drying unit.	10880750	69252004D	4002515992128	
SC²	Steam condenser, for effective removal of moisture and cooling of discharged air.	10928990	69251300D	4002516024323	
DP	Drain pump, for conversion from drain valve to drain pump.	10931330	69240003D	4002516024057	
PR	Integrated printer for process reports, for PLW 8617.	10931290	69247003D	4002516024040	
PR 900	Integrated report printer, for PLW 8615 and PLW 8616³.	11491220	69247004D	4002516362081	
DS 5	Membrane dispenser pump, for 5 l containers, for dispensing liquid products.	10880860	69249001D	4002515992234	
DS 10	Membrane dispenser pump, for 10 l containers, for dispensing liquid products.	10880870	69249101D	4002515992241	
FP 900	Plinth, incl. drip tray and openings for connecting services.	10941870	69253005D	4002516031925	
RP 900	Mobile plinth, for 900 mm wide machines, incl. drip tray without openings for floor drain.	10941940	69253007D	4002516032465	
RP 1150	Mobile plinth, for 1150 mm wide machines, incl. drip tray without openings for floor drain.	10941950	69253008D	4002516032472	
APLW 871	Earthquake-proof floor anchors, for 900 mm wide machines from the PLW 8615/16 series	12157660	69253201D	4002516699873	
APLW 872	Earthquake-proof floor anchors, for 1150 mm wide machines from the PLW 8617 series	12157670	69253301D	4002516699880	
LDTT 86	Collection bottle, with frame, for collecting drained liquid from TT 86.	11293740	69200120D	4002516271864	
RF MF27/28	Adapter, for use of MF 27/28 transfer trolley with the PLW 8615/16/17 series.	11499280	69249201D	4002516352471	

¹ Does not apply to models WITHOUT drying and WITHOUT steam condenser

² Steam condenser only in combination with hot-air drying

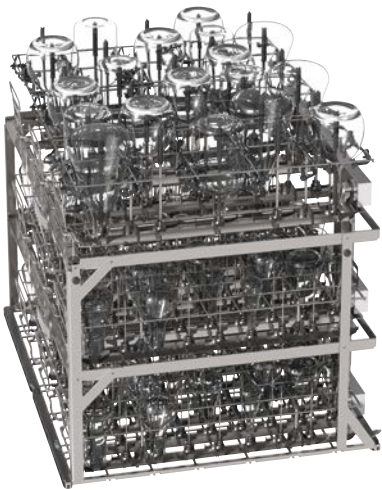
³ PLW8616 Installation on outfeed side

Product Benefits of APLW 511 Load Carrier

Never before was loading large-chamber washers more efficient.

Load carriers offer maximum capacity to reprocess a variety of different laboratory glassware items and ensure rapid turnaround and increased cost-efficiency in reprocessing. This load carrier is for use on PLW 8615, PLW 8616 and PLW 8617 laboratory glasswashers. The concept allows accessories to match individual requirements. This system offers greatest possible flexibility combined with reduced space requirements.

- High capacity - Use of up to 9 modules on 3 levels, increased capacity for small and medium-size laboratory glassware and a 50% increase in the maximum number of injector modules (and injectors)
- Greater flexibility - Wide range of loading options, removable struts
- Rapid load turnaround - High reprocessing throughput means that glassware is soon ready for use again where it is needed: in the laboratory!



APLW 511
Load carrier, with racks, for laboratory glassware and utensils.

- Depending on the height, up to 9 modules can be used
- Using the A 606 module at Levels 2 and 3 results in the following loading heights: Level 1: 205 mm, Level 2: 205 mm, Level 3: 215 mm
- Rails and struts partially removable to accommodate tall modules

Mat. no. 11852850

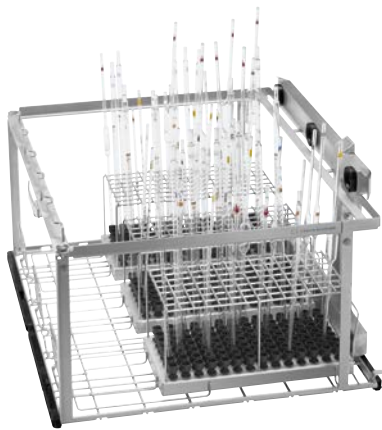
Sample load shows APLW 511 with 6 modules.
A 622 module with A 852 holder rack (Levels 1 and 2) and
A 620 module with A 850 holder rack (Level 3) incl. injector nozzles.

Modular and Flexible Components for PLW 86 Laboratory Glasswashers

Loading examples: A 503 load carrier

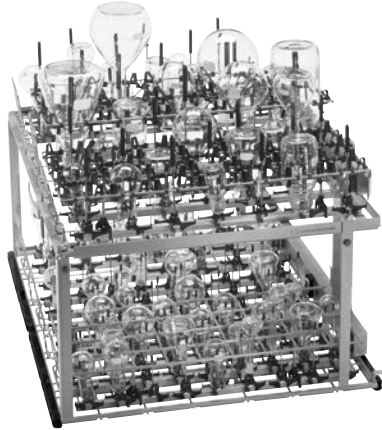
Flexibility and perfect compatibility
The load carrier range offers both configurable and dedicated load carriers offering innovative solutions for a wide range of laboratory glassware. With only a limited number of load carriers, modules and injector nozzles, the optimum combination for the application in hand can easily be found. This system offers greatest possible flexibility combined with reduced space requirements.

- 7 basic load carriers
- 10 rack levels and modules
- Combination with various nozzles and further components for tailor-made flexibility in the reprocessing of laboratory glassware



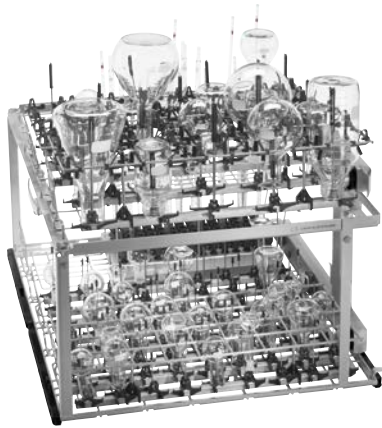
A 503 with 3 x A 613

- 294 positions for pipettes



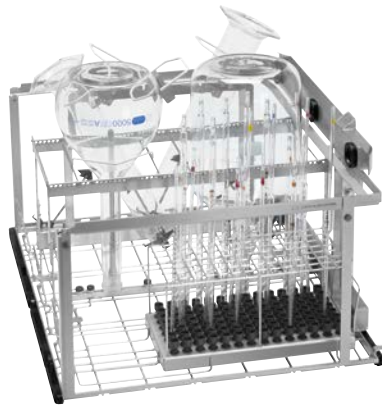
A 503 with 3 x A 621, 1 x A 620, 2 x A 622

- 150 positions with injector nozzles



A 503 with 1 x A 613, 2 x A 621, 1 x A 620, 1 x A 622

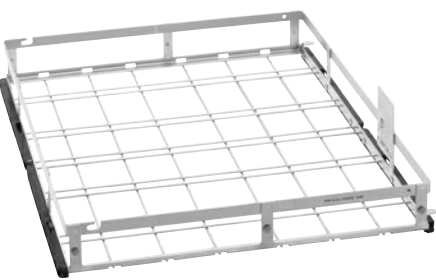
- 98 positions for pipettes
- 90 positions with injector nozzles



A 503 with 1 x A 612, 1 x A 623, 1 x A 613

- 98 positions for pipettes
- 4 measuring cylinders, max. 2 l
- e.g. 2 bottles, max. 10 l

Load Carriers and Further Components



A 500

Load carrier, with 1 level for cleaning laboratory glassware and utensils.

- For holding inserts and mesh trays
- Extendable to 2 levels with A 603
- Load clearances on Level 1 w/o A 603:
H 670, W 600, D 775 mm
- Clearances with A 603:
Level 1: H 305, W 600, D 775 mm
Level 2: H 302, W 595, D 770 mm
- H 153, W 650, D 790 mm

Mat. no. 10973880

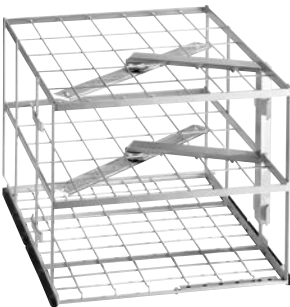


A 603

Onsert, adds second level to A 500 load carrier.

- With spray arm
- H 372, W 611, D 784 mm

Mat. no. 10973980



A 505

Load carrier, with 3 levels, for laboratory glassware and utensils.

- For holding inserts and mesh trays
- Clearances:
Level 1: H 202, W 585, D 780 mm
Levels 2: H 202, W 590, D 780 mm
Level 3: H 132, W 590, D 780 mm
- H 524, W 640, D 790 mm

Mat. no. 10998970



A 503

Load carrier, with racks, for laboratory glassware and utensils.

- For holding inserts and mesh trays
- Depending on the height, up to 6 modules can be used on 2 levels
- Upper rail and upper strut can be removed
- Loading dimensions H 670, W 565, D 770 mm
- H 433, W 650, D 790 mm

Mat. no. 10973900

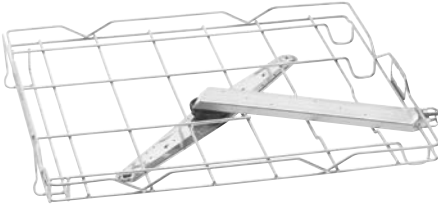


APLW 511

Load carrier, with racks, for laboratory glassware and utensils.

- For holding inserts and mesh trays
- Depending on the height, up to 9 modules can be used on 3 levels
- Some rails and struts are removable
- Vertical clearances:
... Level 1: 205 mm
... Level 2: 205 mm
... Level 3: 215 mm
- Loading dimensions without modules and racks:
H 670, W 565, D 770 mm
- H 533.5, W 636, D 790 mm

Mat. no. 11852850

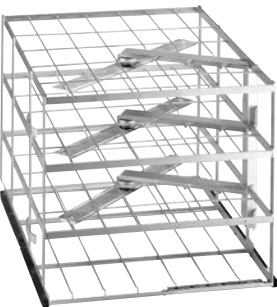


A 606

Module, for lab glassware inserts on the top level of A 503 load carrier.

- With spray arm
- H 97, W 603, D 505 mm

Mat. no. 10973990



A 506

Load carrier, with 4 levels, for laboratory glassware and utensils.

- For holding inserts and mesh trays
- Clearances:
Level 1: H 112.5, W 585, D 780 mm
Levels 2 and 3: H 112.5, W 595, D 780 mm
Level 4: H 114, W 595, D 780 mm
- H 555, W 650, D 790 mm

Mat. no. 10999130

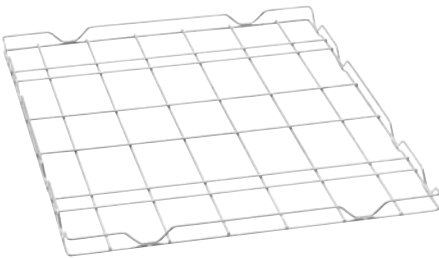


A 501

Load carrier, with 4 levels, for laboratory glassware and utensils.

- For holding inserts and mesh trays
- Extendable to 5 or 6 levels with A 601 racks
- Extendible with A 601 rack (not included) as additional rack level
- Clearances without A 601:
Level 1: H 168, W 577, D 750 mm
Level 2: H 169, W 585, D 750 mm
Level 3: H 77, W 585, D 780 mm
Level 4: H 80, W 577, D 750 mm
- H 659, W 650, D 710 mm

Mat. no. 10973890



A 601

Insert, for additional level in A 501 load carrier.

- Without spray arm
- H 33, W 589, D 773 mm

Mat. no. 10973970



E 950/1

Load carrier, for narrow-necked glassware on 3 levels.

- Equipped with 232 nozzles
- Levels 1 + 3: 80 nozzles each, ID 90 (2.5 x 90 mm)
- Level 2: 72 nozzles each, ID 90 (2.5 x 90 mm)
- Maximum vertical clearance on all three levels: 148 mm
- Requires A 857 conversion kit (not included) for use in PLW 86
- H 572, W 640, D 790 mm

Items included:

- Magnetic strip for automatic mobile unit recognition (incl. magnets) [qty]: 1

Mat. no. 06696990



E 957

Load carrier, for up to 12 large-volume laboratory glassware items.

- Equipped with 12 nozzles with Ø 10 mm
- Height adjustable holding frame
- Magnetic strip for automatic mobile unit recognition
- Max. height above star support: 615 mm
- Requires A 857 conversion kit (not included) for use in PLW 86
- H 353, W 640, D 790 mm

Mat. no. 05746300



A 857

Conversion kit, allows use of G 7827/28 and PG 8527/28 lab trolleys on PLW 86xx.

- Use of existing Miele load carriers in the PLW 86xx series
- For all G 7827, G 7828, PG 8527 and PG 8528 load carriers

Mat. no. 11235960

EasyLoad – Fast Loading and Highly Efficient Use of Chamber Space.

The loading system for cleaning laboratory glassware.

- Optimum use of available chamber height
- Particularly fast and simple arrangement of load items
- Thorough internal cleaning of glassware of all shapes and sizes
- Secure hold and exceptional protection of materials during wash cycle



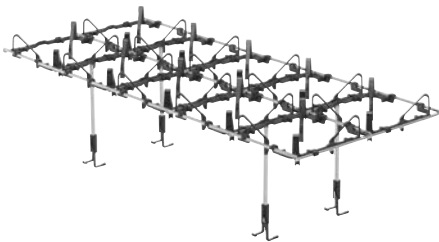
Figure: Load rack with holder rack

EasyLoad equates to efficiency and convenience:

- New injector nozzles (3 diameters, 6 lengths)
- New plastic holders and rests
- New injector modules (10 to 36 injector nozzles)
- New holder rack (for 10 to 36 injector positions)



Even if a nozzle tip rests against the base of a glass, the injector nozzles still guarantee thorough cleaning. The support surrounds the injector manifold in the module or basket, preventing lateral movement of the load items without wasting valuable height.



The holder rack provides additional stability. As and when required, it is placed on top of the injector module, providing a secure hold to even large items of laboratory glassware in a vertical position in which materials are protected.

Injector Modules and Holder Racks

for use in A 503 and APLW 511 load carriers



A 620

Injector module, for laboratory glassware, 10 injector positions.

- Can be equipped with up to 10 nozzles based on individual needs
- Particularly suitable for Ø 6 mm injectors, e.g. A 840 or A 841, other diameters possible depending on application
- For use in A 503 and APLW 511 load carriers
- H 113, W 133, D 608 mm

Mat. no. 10999100



A 621

Injector module, for laboratory glassware, 20 injector positions.

- Can be equipped with up to 20 nozzles based on individual needs
- Particularly suitable for Ø 4 mm injectors, e.g. A 842 or A 843, other diameters possible depending on application
- For use in A 503 and APLW 511 load carriers
- H 113, W 173, D 608 mm

Mat. no. 10999110

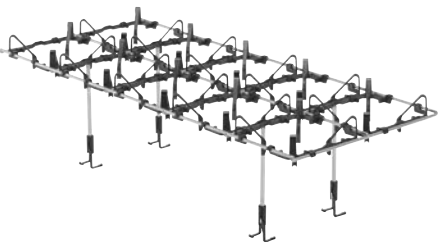


A 622

Injector module, for laboratory glassware, 36 injector positions.

- Can be equipped with up to 36 nozzles based on individual needs
- Particularly suitable for Ø 2.5 mm injectors, e.g. A 844 or A 845, other diameters possible depending on application
- For use in A 503 and APLW 511 load carriers
- H 113, W 204, D 608 mm

Mat. no. 10999120

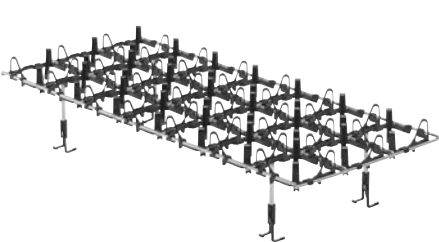


A 850

Rack for A 620 injector module.

- Grid: 2 x 5 compartments
- For use on A 620 injector module
- For the optimum positioning of laboratory glassware
- H 161, W 245, D 579 mm

Mat. no. 11236630

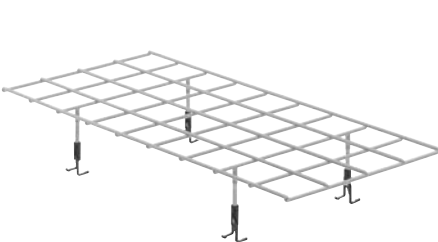


A 851

Rack for A 621 injector module.

- Grid: 3 x 7 compartments
- For use on A 621 injector module
- For the optimum positioning of laboratory glassware
- H 120, W 244, D 580 mm

Mat. no. 11236640



A 852

Rack for A 622 injector module.

- Grid: 4 x 9 compartments
- For use on A 622 injector module
- For the optimum positioning of laboratory glassware
- H 90, W 256, D 562 mm

Mat. no. 11236650

Injector Nozzles

for Laboratory Glassware

EASYLOAD

for use with EasyLoad injector modules

Select nozzles to configure injector modules.
Sets are available with 1, 5, 10 or 20 nozzles.



A 840

Injector nozzle Ø 6 x 130 mm

- For items with neck diameters of between 12 and 85 mm
- Diameter of cap at top: 11 mm

1 off

Mat. no. 11056100



A 841

Injector nozzle Ø 6 x 210 mm

- For items with neck diameters of between 12 and 85 mm
- Diameter of cap at top: 11 mm

1 off

Mat. no. 11056190



A 842

Injector nozzle Ø 4 x 90 mm

- For items with neck diameters of between 10 and 70 mm
- Diameter of cap at top: 9 mm

1 off

Mat. no. 11056330

A 840/1

5 off

Mat. no. 11112600

A 841/1

5 off

Mat. no. 11113130

A 840/2

10 off

Mat. no. 11113160

A 841/2

10 off

Mat. no. 11113140

A 840/3

20 off

Mat. no. 11113170

A 841/3

20 off

Mat. no. 11113150



A 843

Injector nozzle Ø 4 x 185 mm

- For items with neck diameters of between 10 and 70 mm
- Diameter of cap at top: 9 mm

1 off

Mat. no. 11056440



A 844

Injector nozzle Ø 2.5 x 80 mm

- For items with neck diameters of between 6 and 55 mm
- Diameter of cap at top: 5 mm

1 off

Mat. no. 11056600



A 845

Injector nozzle Ø 2.5 x 125 mm

- For items with neck diameters of between 6 and 55 mm
- Diameter of cap at top: 5 mm

1 off

Mat. no. 11056670

A 843/1

5 off

Mat. no. 11113720

A 844/1

5 off

Mat. no. 11115470

A 843/2

10 off

Mat. no. 11113730

A 844/2

10 off

Mat. no. 11115500

A 843/3

20 off

Mat. no. 11113760

A 844/3

20 off

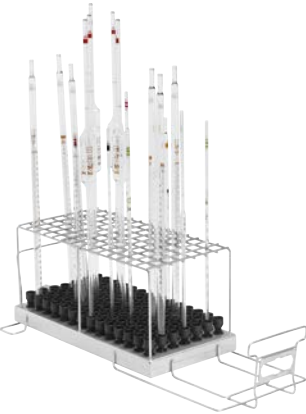
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Injector Modules

for Pipettes, Phials and Measuring Cylinders and Injector Nozzles

for Sedimentation Cones

EASYLOAD

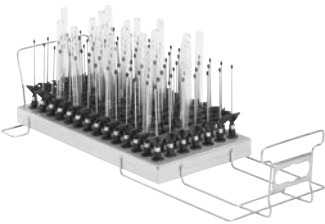


A 613

Injector modules, for volumetric and measuring pipettes.

- Equipped with 98 injector nozzles
- Suitable for measuring pipettes with a volume of 1 - 50 ml
- Suitable for volumetric pipettes with a volume of 1 - 100 ml
- For use in A 503 and APLW 5111 load carriers
- Capacity dependent on max. diameter of pipettes
- H 195, W 255, D 614 mm

Mat. no. 10999070

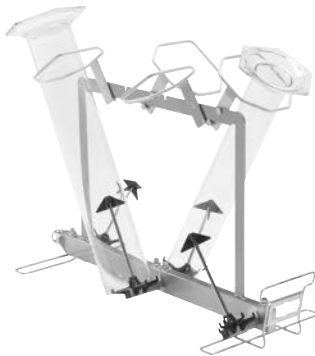


A 605

Injector modules, for phials and test tubes, etc.

- Equipped with 98 injector nozzles
- Max. H 160 mm, max. Ø 20 mm
- For use in A 503 and APLW 511 load carriers
- H 160, W 225, D 611 mm

Mat. no. 10999010



A 623

Injector module, for measuring cylinders.

- Equipped with 4 nozzles
- For measuring cylinders with 1 - 2 l capacity
- Suitable for two 1–2 l measuring cylinders, short and 2 tall
- Pivoting supports for ease of use
- Plastic-coated contact surfaces
- H 437, W 255, D 608 mm

Mat. no. 11025560



APLW 870

Set of injector nozzles, with supports, for cleaning sedimentation cones (Imhoff).

- Set consists of 4 special nozzles with holders
- Max. diameter 120 mm, max. height 470 - 550 mm
- For use with separately available A 620 injector module
- H 290, W 125, D 125 mm

Mat. no. 12151110

Injector Module and Injector Nozzles

for Bulky Laboratory Glassware



Inserts and Other Components



- A 612
- Injector module for reprocessing large-volume laboratory glassware.**
- Can be equipped with A 846, A 847 and A 848 injector nozzles based on individual needs
 - Suitable for 2 - 10 l laboratory flasks, 2 - 6 l round flasks
 - Suitable for 2 - 5 l Erlenmeyer flasks, 2 - 5 l measuring flasks
 - For use in A 503 load carrier
 - Depending on the diameter, 2, 3 or 4 load items can be accommodated.
 - H 361, W 255, D 614 mm

Mat. no. 10999050



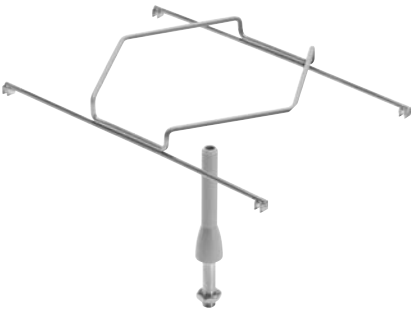
- A 848
- Injector nozzle, with support, for measuring cylinders.**
- For measuring flasks, max. 5 l
 - Nozzle length: 350 mm
 - Nozzle Ø: 10 mm, Support Ø: 142 mm
 - Suitable for A 313 and A 612 modules

Mat. no. 11025610



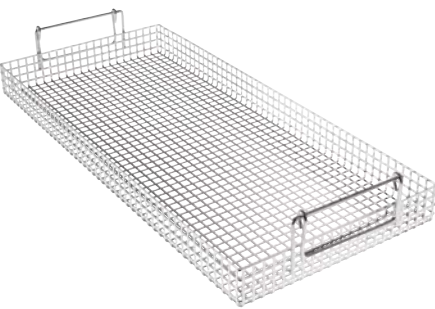
- A 846
- Injector nozzle, with support, for laboratory bottles and round flasks.**
- For laboratory bottles, max. 10 l, and round flasks, max. 6 l
 - Nozzle length: 127 mm, Nozzle length with holder: 158 mm
 - Nozzle Ø: 10 mm
 - Suitable for A 313 and A 612 modules

Mat. no. 11025590



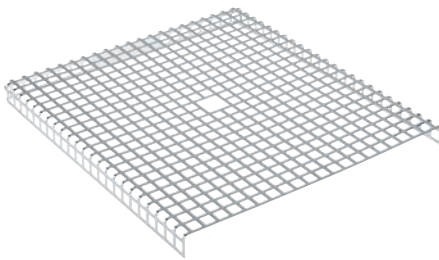
- A 847
- Injector nozzle, with support, for Erlenmeyer flasks.**
- For Erlenmeyer flasks, max. 5 l
 - Nozzle length: 127 mm
 - Nozzle Ø: 10 mm, Support Ø: 142 mm
 - Suitable for A 313 and A 612 modules

Mat. no. 11025600



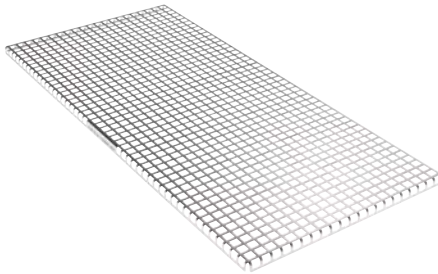
- A 321
- Insert, for various utensils**
- Suitable for beakers, funnels, breast milk pumps
 - With flexible handles

Mat. no. 11309380



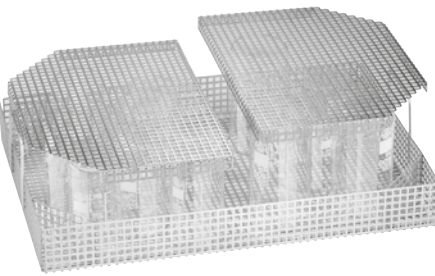
- A 322
- Lid, for securing delicate load items.**
- Stainless-steel lid
 - 8 x 8 mm perforations, 3 mm edge

Mat. no. 11874380



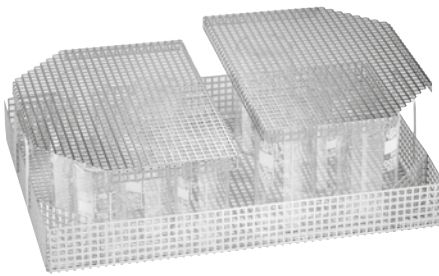
- A 320
- Insert, for gentle cleaning of delicate load items by softening the spray jet.**
- With 7 x 7 mm perforations

Mat. no. 11295510



- E 969
- Insert, for various utensils**
- Perforated sheet-metal plate, 7 x 7 x 3 mm
 - H 122, W 363, D 533 mm

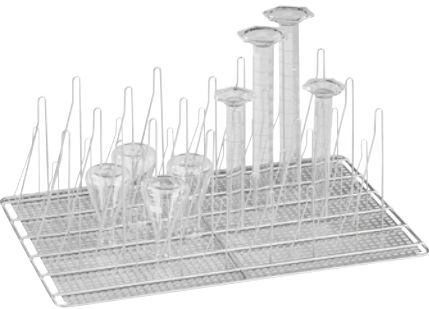
Mat. no. 05746240



- A 19
- Lid, for securing delicate load items.**
- Perforated sheet-metal plate, 7 x 7 x 3 mm
 - Suitable for insert E 969
 - H 18, W 251, D 351 mm

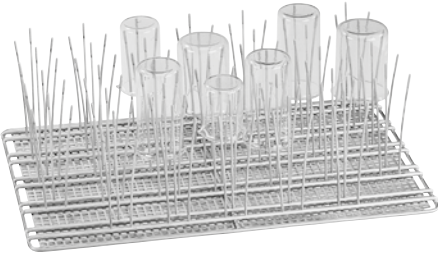
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Further Components



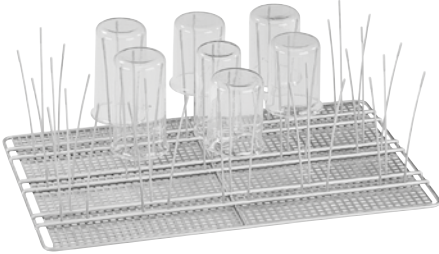
E 960/1
Insert, for wide-necked Erlenmeyer flasks.
• Equipped with 20 large and 26 small spring hooks
• Suitable for wide-necked Erlenmeyer flasks & measuring cylinders
• H 185, W 357, D 522 mm

Mat. no. 05892360



E 963
Insert, for beakers, max. 250 ml.
• Equipped with 33 x 3 stay bars for beakers up to 250 ml
• H 155, W 357, D 522 mm

Mat. no. 05848300



E 965
Insert, for beakers, max. 250 - 600 ml.
• Equipped with 15 x 3 stay bars for beakers, 250 - 600 ml
• H 173, W 357, D 522 mm

Mat. no. 05848290

Compatibility Within Product Range

Additional rack levels in load carriers

Load carriers	Levels	
	A 601	A 603
A 500	-	1
A 501	2	-

Combination options: modules, injector nozzles and holder frames

Load carriers	Modules	EasyLoad holder frames			EasyLoad injector nozzles						Further injector nozzles		
		A 850	A 851	A 852	A 840	A 841	A 842	A 843	A 844	A 845	A 846	A 847	A 848
A 503	A 605 (max. 6)	-	-	-	-	-	-	-	-	-	-	-	-
	A 606 (max. 1)	-	-	-	-	-	-	-	-	-	-	-	-
	A 612 (max. 6)	-	-	-	-	-	-	-	-	-	4	3	3
	A 613 (max. 3)	-	-	-	-	-	-	-	-	-	-	-	-
	A 620 (max. 6)	1	-	-	10	10	!	!	!	!	-	-	-
	A 621 (max. 6)	-	1	-	!	!	20	20	!	!	-	-	-
	A 622 (max. 6)	-	-	1	!	!	!	!	40	40	-	-	-
	A 623 (max. 3)	-	-	-	-	-	-	-	-	-	-	-	-
APLW 511	A 605 (max. 3)	-	-	-	-	-	-	-	-	-	-	-	-
	A 606 (max. 2)	-	-	-	-	-	-	-	-	-	-	-	-
	A 613 (max. 3)	-	-	-	-	-	-	-	-	-	-	-	-
	A 620 (max. 9)	1	-	-	10	10	!	!	!	!	-	-	-
	A 621 (max. 9)	-	1	-	!	!	20	20	!	!	-	-	-
	A 622 (max. 9)	-	-	1	!	!	!	!	40	40	-	-	-

! = Use possible, depending on application

Transfer Trolley



- ATT 86**
- Transfer trolley, for loading and unloading large-chamber washers, electric height adjustment.**
- Enables ergonomic working
 - Infinite electric height adjustment
 - Also, 3 fixed, freely selectable height positions can be saved
 - Flexible operation thanks to high-performance battery
 - Fitted with removable drip tray
 - Battery included, the charger must be ordered separately
 - H 925.5, W 662, D 1156 mm

Mat. no. 11621520



- TT 86 transfer trolley**
- Equipped with 4 castors
 - Simple and convenient handling thanks to ergonomic handle
 - With removable drip tray

Mat. no. 11178960

- LDTT 86 collection bottle**
- With holder rack, for collecting drained liquid from TT 86.

Mat. no. 11293740



- APLW 868**
- APLW 869 battery charging station**
- With CEE7 plug / Europe
 - Includes wall mounting kit
 - H 135, W 167, D 75 mm

Mat. no. 11936110

- APLW 874**
- APLW 869 battery charging station**
- With plug for Switzerland
 - Includes wall mounting kit
 - H 135, W 167, D 75 mm

Mat. no. 12294900



- APLW 869**
- Rechargeable battery for use in ATT 86.**
- Recharging time 5 hours
 - Charger available separately.
 - Charging capacity: 2.9 Ah
 - H 239, W 117, D 75 mm

Mat. no. 11936210



Miele AB
Box 1397
171 27 Solna
Sverige

www.miele.se/p
professionalservice@miele.se

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Uncompromising product reliability and service dependability is the reason why customers have repeatedly voted Miele the best and most trustworthy brand. Coveted awards such as the MX Award, the iF and reddot Design Awards and the German Sustainability Prize confirm the distinguished position Miele enjoys with respect to design, quality management and the sparing use of resources.

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Miele Professional has been developing and manufacturing a broad range of high-quality laundry machines, dishwashers, washer-disinfectors and sterilisers for decades. Carefully selected accessories, comprehensive advisory services and a Miele service operation which guarantees fast response times ensure that machines perform to perfection and offer the ultimate in capacity and efficiency.

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