

**Miele**

# Product Overview

## Solutions for Laboratories

Miele Professional. Immer Besser.

Edition 1 | January 2024

125  
Years



Caring for Our Customers  
With the Most Reliable and Sustainable Solutions.



**With Miele Professional, you are choosing reliable solutions that stand for quality and longevity.**

As a family company now run by its fourth generation, Miele remains true to its responsibility to its products and processes, its employees and business partners and towards conserving our natural resources. This is reflected in the materials we choose as well as in the design and production of our machines. All of our customers benefit from innovations 'Made in Germany' which set standards throughout the industry as well as from award winning product design for ergonomics and functionality, all benefiting from low consumption and running costs.

You have the reassurance that Miele Professional develops the best and most inspiring solutions for our customers. Our guiding principle of 'Immer Besser' has been at our core for the last 125 years, and continues to be at the heart of what we do, ensuring reliability and quality for all of our solutions.

*Markus Miele Reinhard Zinkann*

Dr. Markus Miele  
Executive Director and Co-Proprietor  
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1899 — **125** Years — 2024

# Explore Our Solutions

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## Laboratory glasswashers / washer-disinfectors

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## Components

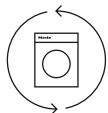
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Find all information here:  
<https://miele.com.au/p>

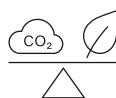
# Our Pledges for the Planet

The race to save our only planet is ever-accelerating. Our commitment to evolve our ambitions is too. With these pledges, we intend to continue along the path we have already embarked on:



### Make sustainability happen at every step

We continuously work towards making sustainability essential at every stage of our products' and services' life cycle – as well as in all of our value chains, and in the homes and businesses of our customers.



### Make machines that won't leave a mark

Miele is dedicated to producing the best possible products and services with the least impact on the environment, with the ultimate aim to make them 100% carbon-neutral.



### End waste by giving our machines new life

We are working towards creating a circular value chain with net-zero waste for all materials used in our machines to re-enter the loop at the end of their lifecycle.





## **Service Solutions** You Can Depend On

**PRO**tect

Miele PROtect combines comprehensive services, maximum cost control and the easy availability of spare parts. Our specially trained technicians perform and document service work according to Miele standards and templates and in full compliance with legal requirements. This guarantees process security and preserves the value of your machines in the long term. We provide transparent advice specific to your industry, coordinate appointments and guarantee the availability of suitable spare parts – even 15 years after machine production ceases. Our comprehensive service network protects your machines and your business, giving you total peace of mind.

# Notes





### Innovation for optimum loading

With EasyLoad, Miele Professional has reinvented the loading of laboratory glasswashers. The innovative system makes loading faster and more reliable as expensive load items are automatically and properly positioned in the load carrier. Newly developed injector nozzles guarantee the thorough cleaning of internal surfaces – even the surfaces which rest on the tops of nozzles. In addition to this, much more efficient use is made of the space in the chamber. EasyLoad allows configurations to suit individual needs – and can be retrofitted with ease at any time.

- New injector system for all common injector modules and a wide range of additional load carriers
- 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 a wash cycle

# EASYLOAD



### Optimum use of space

- New design of racks for greater vertical clearance
- Secure hold thanks to wider supports



### Safe wash results

- Reliable cleaning results even on glassware not placed over nozzles



### Fast and simple loading

- No manual height adjustment required thanks to intelligent design of nozzles and holder racks
- Correct and automatic positioning of glassware thanks to flexible holder racks



# Convincing Benefits of Machine-Based Cleaning of Laboratory Glassware and Equipment



Glitch-free and fast experiments and analyses are a quality feature in any laboratory. Reliably cleaned laboratory glassware is a prerequisite: Only this approach is able to guarantee reproducibly good results. Manual cleaning, however, is hardly able to ensure consistently good results in the reprocessing of glassware. And there are numerous other downsides. Only machine-based reprocessing ensuring analytical levels of quality guarantee the consistency and precision required in everyday laboratory life.

## Benefits of machine-based cleaning



- First-class and safe cleaning producing consistent and validatable results
- Faster reprocessing using machine-based systems v. manual cleaning: 60 glasses in 24 minutes v. 1 glass per minute
- Reduced consumption of energy, water and detergents
- Extended life cycle of laboratory glassware
- An investment in a laboratory glasswasher can pay its way in less than two years

## Disadvantages and risks of manual cleaning



- Hand washing at the sink is not ergonomic, is an unpleasant chore and takes up a great deal of time and effort
- High risk of damage to valuable laboratory glassware
- Considerable imprecision in regard to key factors: Dispensing of detergent, size and shape of cleaning brushes, duration of cleaning and pressure applied
- Health risk through inhaling aerosols, contact with chemicals and injuries from splinters





# Laboratory Glasswashers / Washer-Disinfectors

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## Laboratory glasswashers

PG 8504, PG 8583, PG 8593, PG 8583 CD



# Laboratory Glasswashers

Freestanding unit, can be built-under  
PG 8504, PG 8583, PG 8593, PG 8583 CD



| Washer-disinfectors (left to right)                                | PG 8504  | PG 8583  | PG 8593  | PG 8583 CD |
|--|----------|----------|----------|------------|
| Width  | 600      | 600      | 600      | 900        |
| Height, depth [mm]   | 835, 600 | 835, 600 | 835, 600 | 835, 700   |
| Shortest cycle time <sup>3</sup> [mins.]                           | 22       | 20       | 20       | 20         |
| Capacity: Lab bottles  | 64       | 128      | 128      | 128        |
| Capacity: Pipettes   | –        | 98       | 98       | 98         |
| Capacity: Mixed load consisting of laboratory bottles and pipettes | –        | 130      | 130      | 130        |
| Capacity: Mixed load consisting of laboratory glassware and phials | 130      | 260      | 260      | 260        |
| Drying   | –        | EcoDry   | DryPlus  | DryPlus    |
| Conductivity monitoring  | –        | –        | –        | ◆          |
| Integrated dispenser pump (depending on version) <sup>1</sup>      | –        | 2        | 1        | 2          |
| Powder dispensing  | ◆        | –        | –        | –          |
| Special version for oil-based applications                         | –        | Optional | –        | –          |
| Drawer for supply canisters (3 x 5 l or 2 x 10 l)                  | –        | –        | –        | ◆          |
| Standard Electrical Connection 3N AC 400 V, 50 Hz                  | –        | ◆*       | ◆        | ◆          |
| Total rated load [kW]  | 3.2      | 9.3      | 9.3      | 9.3        |

<sup>1</sup> Length of siphon: 333 mm for 5 l and 10 l canisters

## Customise your laboratory glasswashers with:

- Baskets and further components from Page 34
- Detergents from Page 80
- Process documentation from Page 86

# Version Overview

PG 8504

| Designation   | Casing | Appliance width | Electrical connection | Mat. no. | Art. no.    | EAN           |
|---------------|--------|-----------------|-----------------------|----------|-------------|---------------|
| PG 8504 [ADP] | AE     | 600 mm          | AC 230V 50HZ          | 10138450 | 62850422AUS | 4002515588451 |

# Version Overview

PG 8583

| Designation            | Casing | Appliance width | Electrical connection | Mat. no. | Art. no.    | EAN           |
|------------------------|--------|-----------------|-----------------------|----------|-------------|---------------|
| PG 8583 [WW AD LD OIL] | AE     | 600 mm          | AC 230V 50HZ          | 10096840 | 62858341GB  | 4002515565308 |
| PG 8583 [WW ADP LD]    | AE     | 600 mm          | 3N AC 400V 50HZ       | 10138470 | 62858306AUS | 4002515588475 |
| PG8583 [WW AD LD]      | AE     | 600 mm          | 3N AC 400V 50HZ       | 10138460 | 62858204AUS | 4002515588468 |

# Version Overview

PG 8593

| Designation     | Casing | Appliance width | Electrical connection | Mat. no. | Art. no.    | EAN           |
|-----------------|--------|-----------------|-----------------------|----------|-------------|---------------|
| PG 8593 [WW AD] | AE     | 600 mm          | 3N AC 400V 50HZ       | 10138480 | 62859301AUS | 4002515588482 |

# Version Overview

PG 8583 CD

| Designation            | Casing | Appliance width | Electrical connection | Mat. no. | Art. no.    | EAN           |
|------------------------|--------|-----------------|-----------------------|----------|-------------|---------------|
| PG 8583 CD [WW ADP CM] | AE     | 900 mm          | 3N AC 400V 50HZ       | 10226980 | 62858351AUS | 4002515632857 |



# Programmes, Cycle Times, Consumption

PG 8504, PG 8583, PG 8593, PG 8583 CD

| PG 8504 | Cleaning                  |           |           |           |                 | Drying                    |                 |
|---------|---------------------------|-----------|-----------|-----------|-----------------|---------------------------|-----------------|
|         | Cycle duration<br>[mins.] | CW<br>[l] | WW<br>[l] | DI<br>[l] | Energy<br>[kWh] | Cycle duration<br>[mins.] | Energy<br>[kWh] |
| Short   | 35                        | 26.0      | -         | 9.0       | 2.0             | -                         | -               |
| Medium  | 39                        | 26.0      | -         | 9.0       | 2.1             | -                         | -               |
| Long    | 42                        | 35.0      | -         | 9.0       | 2.4             | -                         | -               |

| PG 8583*            | Cleaning                  |           |           |           |                 | Drying                    |                 |
|---------------------|---------------------------|-----------|-----------|-----------|-----------------|---------------------------|-----------------|
|                     | Cycle duration<br>[mins.] | CW<br>[l] | WW<br>[l] | DI<br>[l] | Energy<br>[kWh] | Cycle duration<br>[mins.] | Energy<br>[kWh] |
| Standard            | 30                        | 5.0       | 14.0      | 18.5      | 1.7             | <1                        | -               |
| Intensive           | 37                        | 4.5       | 23.5      | 27.5      | 1.9             | 2                         | -               |
| Universal           | 35                        | 4.5       | 31.5      | 185       | 1.8             | 2                         | -               |
| Organica            | 41                        | 0.0       | 37.0      | 185       | 2.0             | 2                         | -               |
| Inorganic           | 39                        | 5.0       | 24.0      | 27.5      | 1.8             | <1                        | -               |
| Pipettes            | 44                        | 7.5       | 37.5      | 45.0      | 1.8             | <1                        | -               |
| Pipettes            | 44                        | 7.5       | 37.5      | 45.0      | 1.8             | 2                         | -               |
| Oil Programme       | 42                        | 0.0       | 47.0      | 18.5      | 1.9             | 2                         | -               |
| Plastics            | 34                        | 36.0      | 0.0       | 18.5      | 1.5             | -                         | -               |
| Injector Plus       | 41                        | 6.0       | 42.0      | 24.0      | 1.8             | 2                         | -               |
| Mini                | 20                        | 0.0       | 19.0      | 9.5       | 0.8             | -                         | -               |
| Special 93°C-10'    | 54                        | 11.9      | 29.6      | 14.0      | 3.3             | 2                         | -               |
| Demineralised Rinse | 6                         | -         | -         | 10.0      | 0.01            | -                         | -               |
| Rinse               | 4                         | 10.0      | -         | -         | 0.01            | -                         | -               |

| PG 8593*         | Cleaning                  |           |           |           |                 | Drying                    |                 |
|------------------|---------------------------|-----------|-----------|-----------|-----------------|---------------------------|-----------------|
|                  | Cycle duration<br>[mins.] | CW<br>[l] | WW<br>[l] | DI<br>[l] | Energy<br>[kWh] | Cycle duration<br>[mins.] | Energy<br>[kWh] |
| Universal        | 34                        | 4.5       | 31.5      | 18.5      | 1.6             | 37                        | 0.7             |
| Standard         | 29                        | 5.0       | 14.0      | 18.5      | 1.7             | 37                        | 0.7             |
| Intensive        | 36                        | 4.5       | 23.5      | 27.5      | 1.8             | 37                        | 0.7             |
| Inorganic        | 37                        | 5.0       | 24.0      | 27.5      | 1.8             | 37                        | 0.7             |
| Organica         | 39                        | -         | 37.0      | 18.5      | 1.9             | 37                        | 0.7             |
| Injector Plus    | 40                        | 6.0       | 42.0      | 24.0      | 1.8             | 37                        | 0.7             |
| Pipettes         | 42                        | 7.5       | 37.5      | 45.0      | 1.8             | 47                        | 0.6             |
| Plastics         | 34                        | 36.0      | -         | 18.5      | 1.5             | 52                        | 0.7             |
| Mini             | 19                        | -         | 19.0      | 9.5       | 0.8             | 37                        | 0.7             |
| Oil programme    | 40                        | -         | 47.0      | 18.5      | 1.8             | 37                        | 0.7             |
| Special 93°C-10' | 53                        | 11.9      | 29.6      | 14.0      | 3.4             | 79                        | 1.4             |
| De-min. rinse    | 6                         | -         | -         | 10.0      | 0.01            | -                         | -               |
| Rinse            | 4                         | 10.0      | -         | -         | 0.01            | -                         | -               |
| Drying           | -                         | -         | -         | -         | -               | 40                        | 0.7             |

| PG 8583 CD*      | Cleaning                  |           |           |           |                 | Drying                    |                 |
|------------------|---------------------------|-----------|-----------|-----------|-----------------|---------------------------|-----------------|
|                  | Cycle duration<br>[mins.] | CW<br>[l] | WW<br>[l] | DI<br>[l] | Energy<br>[kWh] | Cycle duration<br>[mins.] | Energy<br>[kWh] |
| Universal        | 34                        | 4.5       | 31.5      | 18.5      | 1.6             | 37                        | 0.7             |
| Standard         | 29                        | 5.0       | 14.0      | 18.5      | 1.7             | 37                        | 0.7             |
| Intensive        | 36                        | 4.5       | 23.5      | 27.5      | 1.8             | 37                        | 0.7             |
| Inorganic        | 37                        | 5.0       | 24.0      | 27.5      | 1.8             | 37                        | 0.7             |
| Organica         | 39                        | -         | 37.0      | 18.5      | 1.9             | 37                        | 0.7             |
| Injector Plus    | 40                        | 6.0       | 42.0      | 24.0      | 1.8             | 37                        | 0.7             |
| Pipettes         | 42                        | 7.5       | 37.5      | 45.0      | 1.8             | 47                        | 0.6             |
| Plastics         | 34                        | 36.0      | -         | 18.5      | 1.5             | 52                        | 0.7             |
| Mini             | 19                        | 36.0      | -         | 18.5      | 1.5             | 34                        | 0.7             |
| Oil programme    | 40                        | -         | 47.0      | 18.5      | 1.5             | 37                        | 0.7             |
| Special 93°C-10' | 53                        | 11.9      | 29.6      | 14.0      | 3.4             | 79                        | 1.4             |
| De-min. rinse    | 6                         | -         | -         | 10.0      | 0.01            | -                         | -               |
| Rinse            | 4                         | 10.0      | -         | -         | 0.01            | -                         | -               |
| Drying           | -                         | -         | -         | -         | -               | 40                        | 0.7             |

\*Heating: 8.5 kW (3N AC 400V 50Hz), connection to cold water (15°C), hot water (65°C) and demineralised water (15°C)

# Technical Data

PG 8504, PG 8583, PG 8593, PG 8583 CD

| Laboratory glasswashers  | PG 8504             |
|--|---------------------|
| Undercounter/freestanding unit with lid  | ◆                   |
| Circulation pump [Qmax. l/min.]  | 500                 |
| <b>Controls/programmes</b>   |                     |
| TouchControl/No. of programmes + vacant programme slots  | 6 + 2               |
| Max. Final Rinse Temperature [°C]  | 70                  |
| Max. no. of injector modules   | 2                   |
| AutoClose – automatic door lock  | –                   |
| Buzzer, acoustic signal at end of programme  | ◆                   |
| Ethernet/WiFi communication module for connectivity with digital products  | –                   |
| <b>Water connections</b>   |                     |
| 1 x cold water, 2.0-10 bar flow pressure (200 – 1000 kPa) <sup>1</sup>   | ◆                   |
| 1x demineralised water, 2.0 – 10 bar flow pressure (200 – 1000 kPa) <sup>1</sup>   | ◆                   |
| Drain pump Ø 22 mm, Max. head height: 100 cm   | ◆                   |
| WaterProof System (WPS)  | ◆                   |
| <b>Electrical connection</b>   |                     |
| AC 230 V 50 Hz, supply lead, approx. 2.0 m, 5 x 2.5 mm <sup>2</sup> incl. plug   | ◆                   |
| Heating [kW]   | 2.5                 |
| Circulation pump [kW]  | 0.7                 |
| Total rated load [kW]  | 3.2                 |
| Fuse rating [A]  | 16                  |
| <b>Dispenser systems (depending on model)</b>  |                     |
| 1 door dispenser for powder cleaning agent   | ◆                   |
| <b>Connection options (depending on model)</b>   |                     |
| DOS G 80 Flex or DOS G 80/1 Flex for liquid dispensing   | 1                   |
| <b>Water softener</b>  |                     |
| For hot and cold water, max 65°C   | ◆                   |
| <b>Steam condenser</b>   |                     |
| Aerosol  | –                   |
| <b>Drying unit/Radial fan</b>  |                     |
| Fan  | –                   |
| Heater bank [kW]   | –                   |
| Total rated load [kW]  | –                   |
| Air throughput [m <sup>3</sup> /h]   | –                   |
| Temperature selection in 1° increments [°C]  | –                   |
| Time selection in 1-minute increments [mins.]  | –                   |
| Pre-filter/Filter efficiency (DIN EN 1822)/Filter life   | –                   |
| Particulate filter/HEPA filter/filter efficiency (DIN EN 1822)/filter life   | –                   |
| <b>Dimensions, weight</b>  |                     |
| External dimensions H/W/D [mm]   | 835/600/600         |
| Chamber dimensions H/W/D [mm]  | 522/536/O=518 U=523 |
| Weight [kg]  | 74                  |
| <b>Casing options</b>  |                     |
| Stainless steel (AE)   | ◆                   |
| <b>Compliance</b>  |                     |
| VDE (electrical safety), IP safety class according to EN 60529: IP 21, EN 61010-2-040, RoHS guideline 2011/65/EU, Machinery Directive 2006/42/EC | ◆                   |
| <b>Test certificates</b>   |                     |
| EN 61010-1   | ◆                   |
| WaterMark  | ◆                   |

# Technical Data

PG 8504, PG 8583, PG 8593, PG 8583 CD

| Laboratory glasswashers   | PG 8583              | PG 8593             | PG 8583 CD           |
|---|----------------------|---------------------|----------------------|
| Freestanding unit with lid  | ◆                    | ◆                   | ◆                    |
| Circulation pump [Qmax. l/min.]   | 500                  | 500                 | 500                  |
| <b>Controls/programmes</b>  |                      |                     |                      |
| TouchControl/No. of programmes + vacant programme slots   | 14 + 2               | 15 + 2              | 15 + 2               |
| Max. rinse temperature [°C]   | 93                   | 93                  | 93                   |
| Max. no. of injector modules  | 4                    | 4                   | 4                    |
| AutoClose – automatic door lock   | ◆                    | ◆                   | ◆                    |
| Buzzer, acoustic signal at end of programme   | ◆                    | ◆                   | ◆                    |
| <b>Water connections</b>  |                      |                     |                      |
| 1 x cold water, 2.0-10 bar flow pressure (200-1000 kPa) <sup>1</sup>  | ◆                    | ◆                   | ◆                    |
| 1 x cold water for steam condenser, 2.0 – 10 bar flow pressure (200 – 1000 kPa) <sup>1</sup>  | ◆                    | ◆                   | ◆                    |
| 1 x demineralised water, 2.0 – 10 bar flow pressure (200 – 1000 kPa) <sup>1</sup><br>(optional ADP version: connection for hose with 13 mm interior diameter) | ◆                    | ◆                   | ◆                    |
| 1 x hot water, 2.0 – 10 bar flow pressure (200 – 1000 kPa) <sup>1</sup>   | ◆                    | ◆                   | ◆                    |
| No. of inlet hoses, 1/2" with 3/4" threaded union, l = approx. 2.0 m  | 4 (3 on ADP version) | 4                   | 3                    |
| Drain pump Ø 22 mm, Max. head height: 100 cm  | ◆                    | ◆                   | ◆                    |
| WaterProof System (WPS)   | ◆                    | ◆                   | ◆                    |
| <b>Standard Electrical Connection<sup>3</sup></b>   |                      |                     |                      |
| 3N AC 400 V 50 Hz convertible to AC 230 V 50 Hz, supply lead, approx. 1.9 m   | ◆                    | ◆                   | ◆                    |
| Heating [kW]  | 8.5                  | 8.5                 | 8.5                  |
| Circulation pump [kW]   | 0.8                  | 0.8                 | 0.8                  |
| Total rated load [kW]   | 9.3                  | 9.3                 | 9.3                  |
| Fuse rating [A]   | 3 x 16               | 3 x 16              | 3 x 16               |
| <b>Dispenser systems (depending on model)</b>   |                      |                     |                      |
| 1 door dispenser for powder cleaning agent  | –                    | –                   | –                    |
| 1 dispenser pump for liquid detergent (siphon length: 352 mm)   | ◆                    | ◆                   | ◆                    |
| 1 dispenser pump for neutralising agent (siphon length: 352 mm)   | ◆                    | –                   | ◆                    |
| Third internal liquid dispenser pump optional, fourth pump not possible   | –                    | –                   | ◆                    |
| Drawer for detergents (3 x 5 l or 2 x 10 l)   | –                    | –                   | ◆                    |
| <b>Connection options (depending on model)</b>  |                      |                     |                      |
| DOS K 85 Flex for liquid dispensing   | 2                    | 2                   | –                    |
| <b>Water softener</b>   |                      |                     |                      |
| For hot and cold water, max 65°C  | ◆                    | ◆                   | ◆                    |
| <b>Steam condenser</b>  |                      |                     |                      |
| Aerosol   | ◆                    | ◆                   | ◆                    |
| <b>Drying unit/Radial fan</b>   |                      |                     |                      |
| Fan   | –                    | 0.3                 | 0.3                  |
| Heater bank [kW]  | –                    | 2.2                 | 2.2                  |
| Total rated load [kW]   | –                    | 2.5                 | 2.5                  |
| Air throughput [m <sup>3</sup> /h]  | –                    | 60                  | 60                   |
| Temperature selection in 1° increments [°C]   | –                    | 50 – 115            | 50 – 115             |
| Time selection in 1-minute increments [mins.]   | –                    | 0 – 120             | 0 – 120              |
| Pre-filter/Filter efficiency (DIN EN 1822)/Filter life  | –                    | –                   | G 4/> 90%/100 h      |
| Particulate filter/HEPA filter/filter efficiency (DIN EN 1822)/filter life  | –                    | H13/>99.95%/200 h   | H 14/>99.995%/500 h  |
| <b>Dimensions, weight</b>   |                      |                     |                      |
| External dimensions H/W/D [mm]  | 835/600/600          | 835/600/600         | 820/900/600          |
| Chamber dimensions H/W/D [mm]   | 522/536/O=518 U=523  | 522/536/O=518 U=523 | 522/536/O=518, U=523 |
| Weight [kg]   | 74                   | 78                  | 98                   |
| <b>Casing options</b>   |                      |                     |                      |
| Stainless steel (AE)  | ◆                    | ◆                   | ◆                    |
| <b>Compliance</b>   |                      |                     |                      |
| IP safety class according to EN 60529: IP 21, EN 61010-2-040, RCM   | ◆                    | ◆                   | ◆                    |
| <b>Test certificates</b>  |                      |                     |                      |
| EN 61010-1  | ◆                    | ◆                   | ◆                    |
| WaterMark   | ◆                    | ◆                   | ◆                    |

<sup>1</sup> ADP variant maybe required depending on water flow pressure <sup>2</sup> O = Upper basket, U = Lower basket, ◆ = standard, – = not available,

<sup>3</sup> Possible Electrical Connection Available



# EasyLoad Sample Loads

PG 8504, PG 8583, PG 8593, PG 8583 CD



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## Basic

- A 101 upper basket with spray arm
- 2x AK 12/1 insert
- A 150 lower basket for injector modules
- A 300/3 injector module with 8 injector nozzles
- A 301/5 injector module with 18 injector nozzles

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## High Performance

- A 100 upper basket for injector modules
- 2x A 302/3 injector module with 32 injector nozzles
- A 150 lower basket for injector modules
- A 300/3 injector module with 8 injector nozzles
- A 301/5 injector module with 18 injector nozzles



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## Measuring cylinders and other laboratory glassware

- A 150 lower basket for injector modules
- A 306/1 injector module with measuring cylinder
- A 301/5 injector module with 18 injector nozzles

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## Other laboratory glassware

- A 150 lower basket for injector modules
- A 300/2 injector module, empty
- A 302/3 injector module with 32 injector nozzles

# Overview of Componentry

PG 8504, PG 8583, PG 8593, PG 8583 CD

| Article         | Description  | Mat. no. |
|-----------------|--|----------|
| <b>Baskets</b>  |  |          |
| A 100           | Upper basket, for injector modules or inserts.   | 9862320  |
| A 101           | Upper basket, height adjustable, for inserts.  | 9862340  |
| A 102           | Upper basket, height adjustable, for inserts.  | 9862360  |
| A 150           | Lower basket, for injector modules or inserts.   | 9862400  |
| A 151           | Lower basket, for various standard DIN mesh trays and various inserts.                         | 9862410  |
| A 200           | Load carrier, for up to 38 pipettes.   | 9862420  |
| <b>EasyLoad</b> |  |          |
| A 300/3         | Injector module for optimum loading of laboratory glassware – equipped with 8 nozzles.         | 11116900 |
| A 301/5         | Injector module for optimum loading of laboratory glassware – equipped with 18 nozzles.        | 11116950 |
| A 302/3         | Injector module for optimum loading of laboratory glassware – equipped with 32 nozzles.        | 11116960 |
| A 860           | Holder rack for A 300/2 and A 300/3 injector module  | 11056800 |
| A 861           | Holder rack for A 301/4 and A 301/5 injector module  | 11056810 |
| A 862           | Holder rack for A 302/2 and A 302/3 injector module  | 11056820 |
| A 300/2         | Injector module for optimum loading of laboratory glassware – can be equipped with 8 nozzles.  | 11056770 |
| A 301/4         | Injector module for optimum loading of laboratory glassware – can be equipped with 18 nozzles. | 11056780 |
| A 302/2         | Injector module for optimum loading of laboratory glassware – can be equipped with 32 nozzles. | 11056790 |
| A 840           | Injector nozzle, with plastic supports, nozzle diameter 6 mm, length 130 mm, 1 off.            | 11056100 |
| A 841           | Injector nozzle, with plastic supports, nozzle diameter 6 mm, length 210 mm, 1 off             | 11056190 |
| A 842           | Injector nozzle, with plastic supports, nozzle diameter 4 mm, length 90 mm, 1 off              | 11056330 |
| A 843           | Injector nozzle, with plastic supports, nozzle diameter 4 mm, length 185 mm, 1 off             | 11056440 |
| A 844           | Injector nozzle, with plastic supports, nozzle diameter 2.5 mm, length 80 mm, 1 off.           | 11056600 |
| A 845           | Injector nozzle, with plastic supports, nozzle diameter 2.5 mm, length 125 mm, 1 off.          | 11056670 |
| A 303           | Injector module, for optimum loading of up to 98 pipettes.                                     | 9862560  |
| A 304           | Injector module, for optimum loading of up to 98 pipettes.                                     | 9862570  |
| A 306/1         | Injector module, ideal for large-volume laboratory glassware.                                  | 11035210 |
| A 313           | Injector module for reprocessing large-volume laboratory glassware.                            | 11055970 |
| A 846           | Injector nozzle, with support, for laboratory bottles and round flasks.                        | 11025590 |
| A 847           | Injector nozzle, with support, for Erlenmeyer flasks.  | 11025600 |
| A 848           | Injector nozzle, with support, for measuring cylinders.  | 11025610 |
| A 312           | Injector module for reprocessing viscometers.  | 11054470 |
| APLW 870        | Set of injector nozzles, with supports, for cleaning sedimentation cones (Imhoff).             | 12151110 |
| <b>Inserts</b>  |  |          |
| AK 12/1         | Insert, for various utensils   | 11131690 |
| A 14/1          | Lid, for securing delicate load items.   | 11131560 |
| E 149           | Insert, for max. 80 test tubes, 16 x 105 mm.   | 3808800  |
| A 13            | Lid, for securing delicate load items.   | 3810200  |
| E 103/1         | Insert, for test tubes, 12 x 75 mm.  | 6907630  |
| E 104/1         | Insert, for test tubes, 12 x 105 mm.   | 6907640  |
| E 105/1         | Insert, for test tubes, 12 x 165 mm.   | 6907650  |
| E 139/1         | Insert, for test tubes, 12 x 200 mm.   | 6907660  |
| E 106           | Insert, for wide-necked glassware, measuring cylinders, etc.                                   | 3808310  |

| Article                   | Description  | Mat. no. |
|---------------------------|--|----------|
| E 106/1                   | Insert, for wide-necked glassware, measuring cylinders, etc.                                 | 3808320  |
| E 106/2                   | Insert, for wide-necked glassware, measuring cylinders, etc.                                 | 3808330  |
| E 109                     | Insert, for beakers, max. 250 ml.  | 3808360  |
| E 110                     | Insert, for beakers, max. 250 – 600 ml.  | 3808390  |
| E 111                     | Insert, for beakers, max. 600 – 1,000 ml.  | 3808420  |
| E 144                     | Insert, for max. 18 beakers.   | 3808710  |
| E 118                     | Insert, for half petri dishes.   | 3830270  |
| E 136                     | Insert, for 56 half petri dishes.  | 3830280  |
| E 137                     | Insert, for 56 half petri dishes.  | 3830290  |
| E 402                     | Insert, for max. 44 watch glasses.   | 3830420  |
| E 403                     | Insert, for max. 105 watch glasses.  | 3830430  |
| E 134                     | Insert, for 210 slides.  | 3808600  |
| E 494                     | Insert, for 5 microtitre plates.   | 6570920  |
| <b>Further components</b> |  |          |
| A 802                     | Nozzle, for rinsing dispenser compartment.   | 9863070  |
| A 2                       | Cover net, for securing delicate load items.   | 3830460  |
| A 3                       | Cover net, for securing light-weight items in inserts.                                       | 3830470  |
| A 11/1                    | Insert, for gentle cleaning of delicate load items by softening the impact of the spray jet. | 6629660  |
| A 11/2                    | Insert, for gentle cleaning of delicate load items by softening the impact of the spray jet. | 11239130 |
| A 12/1                    | Insert, for gentle cleaning of delicate load items by softening the impact of the spray jet. | 6629670  |
| A 12/2                    | Insert, for gentle cleaning of delicate load items by softening the impact of the spray jet. | 11238030 |
| E 319/3                   | Surface filter, retains labels and glass splinters.  | 6477070  |
| E 319/4                   | Surface filter, retains labels and glass splinters.  | 11237950 |
| A 838                     | Tool set, for adjusting basket heights and installing/removing injector nozzles.             | 11054290 |
| E 336                     | Irrigation sleeve, for pipettes/MIS instruments in mobile injector units.                    | 3809390  |
| E 352                     | Injector nozzle, for optimum cleaning of load items.   | 3809510  |
| E 353                     | Clip, height-adjustable, for optimum positioning of laboratory glassware on nozzles.         | 3809530  |
| E 354                     | Clip, height-adjustable, for optimum positioning of laboratory glassware on nozzles.         | 3809540  |
| ID 90                     | Injector nozzle with plastic support, 3 mm, length 90 mm.                                    | 3810320  |
| ID 110                    | Injector nozzle with plastic support, 3 mm, length 110 mm.                                   | 3810330  |
| ID 140                    | Injector nozzle with plastic support, 4 mm, length 140 mm.                                   | 3810340  |
| ID 160                    | Injector nozzle with plastic support, 4 mm, length 160 mm.                                   | 3810350  |
| ID 180                    | Injector nozzle with plastic support, 4 mm, length 180 mm.                                   | 3810360  |
| ID 200                    | Injector nozzle with plastic support, 6 mm, length 200 mm.                                   | 3810380  |
| ID 220                    | Injector nozzle with plastic support, 6 mm, length 220 mm.                                   | 3810390  |
| ID 240                    | Injector nozzle with plastic support, 6 mm, length 240 mm.                                   | 3810400  |
| SD-B                      | Injector nozzle for butyrometers   | 3583540  |
| E 362                     | Blind stopper, for sealing connections on load carriers.                                     | 3809630  |

Further technical information on the products listed in the table is provided on Page 36.

# Combination Options

## Injector Modules/Upper and Lower Baskets

PG 8583, PG 8593, PG 8583 CD

| Basket | + | Injector module                          | + | A 100 upper basket |        |     | A 101 upper basket |        |     | A 102 upper basket |        |     |
|--------|---|--|---|--------------------|--------|-----|--------------------|--------|-----|--------------------|--------|-----|
|        |   |  |   | Position           |        |     | Position           |        |     | Position           |        |     |
|        |   |  |   | Bottom             | Middle | Top | Bottom             | Middle | Top | Bottom             | Middle | Top |
| A 150  |   | A 300/3 or A 300/2 with EasyLoad nozzles |   | –                  | –      | ◆   | ◆                  | –      | –   | –                  | !      |     |
|        |   | A 301/5 or A 301/4 with EasyLoad nozzles |   | ◆                  | ◆      | ◆   | ◆                  | ◆      | ◆   | ◆                  | ◆      |     |
|        |   | A 302/3 or A 302/2 with EasyLoad nozzles |   | ◆                  | ◆      | ◆   | ◆                  | ◆      | ◆   | ◆                  | ◆      |     |
|        |   | A 301/4 module with SD-B nozzles         |   | –                  | –      | –   | –                  | –      | –   | –                  | –      |     |
|        |   | A 303                                    |   | –                  | –      | –   | –                  | –      | –   | –                  | –      |     |
|        |   | A 304                                    |   | ◆                  | ◆      | ◆   | ◆                  | ◆      | ◆   | ◆                  | ◆      |     |
|        |   | A 306/1                                  |   | –                  | –      | –   | –                  | –      | –   | –                  | –      |     |
|        |   | A 312                                    |   | –                  | –      | –   | –                  | –      | –   | –                  | –      |     |
|        |   | A 313                                    |   | –                  | –      | –   | –                  | –      | –   | –                  | –      |     |

| Basket | + | Injector module                          | + | Loading recommendation |
|--------|---|--|---|------------------------|
| A 100  |   | A 300/3 or A 300/2 with EasyLoad nozzles |   | –                      |
|        |   | A 301/5 or A 301/4 with EasyLoad nozzles |   | ◆                      |
|        |   | A 302/3 or A 302/2 with EasyLoad nozzles |   | ◆                      |
|        |   | A 301/4 module with SD-B nozzles         |   | –                      |
|        |   | A 303                                    |   | –                      |
|        |   | A 304                                    |   | ◆                      |
|        |   | A 306/1                                  |   | –                      |
|        |   | A 312                                    |   | !                      |
|        |   | A 313                                    |   | !                      |

◆ Recommended combination  
 – Combination not recommended  
 ! Combination not possible









# Components

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**Baskets and load carriers**

**EasyLoad**

**Inserts and other components**

**Injector nozzles**

**Conversion kits**

**Transfer trolley**

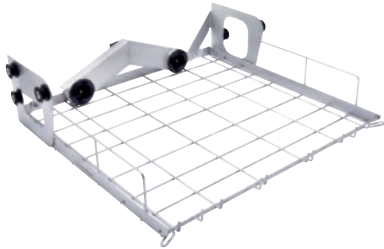
**Systems for reprocessing with fully demineralised water**

**Dispensing components**

**Plinths**

# Upper/Lower Baskets and Load Carriers

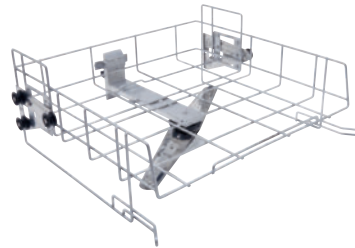
PG 8504, PG 8583, PG 8593, PG 8583 CD



## A 100

### Upper basket, for injector modules or inserts.

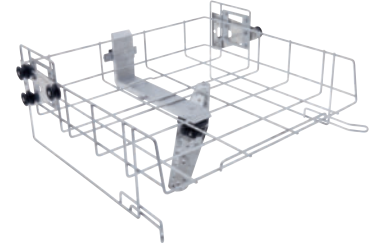
- Upper basket with two docking pipes
- For loading up to 2 injector modules or inserts
- Automatic closing of the connections when not in use
- Vertical clearance on module with plastic supports: 190 mm
- Clearances: width 489, length 440 mm
- H 141, W 528, D 525 mm



## A 101

### Upper basket, height adjustable, for inserts.

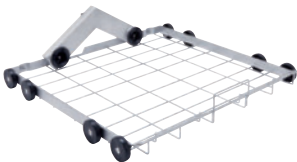
- Vertical clearance HWD 160 +/- 30 mm, 475 mm, 443 mm
- With integrated spray arm
- H 206, W 528, D 527 mm



## A 102

### Upper basket, height adjustable, for inserts.

- Vertical clearance HWD 205 +/- 30 mm, 475 mm, 443 mm
- With integrated spray arm
- H 206, W 528, D 527 mm



## A 150

### Lower basket, for injector modules or inserts.

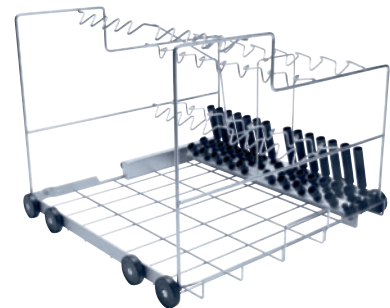
- Lower basket with two docking ports
- For loading up to 2 injector modules or inserts
- Automatic closing of the connections when not in use
- Clearances H 235, (with A 100 upper basket) W 494, D 440 mm
- H 154, W 529, D 546 mm



## A 151

### Lower basket, for various standard DIN mesh trays and various inserts.

- Vertical clearance dependent on upper basket
- Clearances
  - H with A 100: 235 mm
  - H with A 101: 275 +/- 40 mm
  - H with A 102: 230 +/- 30 mm
  - H with A 103: 305 mm
  - H without upper basket 495
- W 490, D 489 mm
- H 88, W 529, D 522 mm



## A 200

### Load carrier, for up to 38 pipettes.

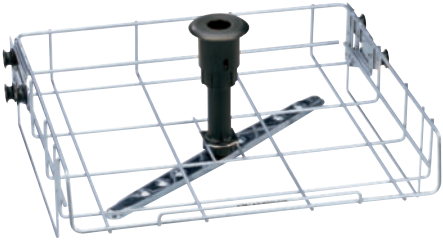
- For 10 x 100 ml pipettes in row 1, spacing 20 mm
- For 14 x 25 ml pipettes in row 2, spacing 26 mm
- For 14 x 10 ml pipettes in row 3, spacing 26 mm
- Not for use in PG 8504
- H 397, W 529, D 546 mm

| Article | Description  | Mat. no. | Art. no.  | EAN           |
|---------|--|----------|-----------|---------------|
| A 100   | Upper basket for the optimum loading of injector modules or inserts.         | 9862320  | 69610000D | 4002515460610 |
| A 101   | Upper basket height adjustable, for the optimum loading of inserts.          | 9862340  | 69610100D | 4002515460627 |
| A 102   | Upper basket height adjustable, for the optimum loading of inserts.          | 9862360  | 69610200D | 4002515460634 |
| A 150   | Lower basket for the optimum loading of injector modules or inserts.         | 9862400  | 69615000D | 4002515460672 |
| A 151   | Lower basket for holding standard DIN mesh trays as well as various inserts. | 9862410  | 69615100D | 4002515460689 |
| A 200   | Mobile unit for the optimum loading of 38 pipettes.                          |          | 69620000D | 4002515460696 |



# Upper and Lower Baskets

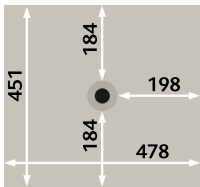
PG 8583



## O 188/2

### Upper basket, for various inserts.

- Vertical clearance: 165 mm, height adjustment range +/- 20 mm
- With integrated magnetic spray arm
- Magnet for use with spray arm monitoring for PG 8535
- H 215, W 531, D 475 mm



| Article | Description  | Mat. no. | Art. no.  | EAN           |
|---------|--|----------|-----------|---------------|
| O 188/2 | Upper basket for the optimum loading of different inserts. | 7333030  | 69118802D | 4002514556178 |

# Mobile Injector Unit for Pipettes

PG 8583



## E 405/1

### Load carrier, max. 38 pipettes, connection for hot air drying.

- Suitable for 38 pipettes in 3 rows
- Row 1: 10 pipettes x 100 ml (up to 550 mm), bar spacing 20 mm
- Row 2: 14 pipettes x 25 ml, bar spacing 26 mm
- Row 3: 14 pipettes x 10 ml, bar spacing 26 mm
- Bracket for ML/2 for load carrier recognition/spray arm control
- Connection for hot-air drying unit
- H 502, W 535, D 517 mm



## E 408

### Load carrier, max. 96 pipettes.



- Suitable for 96 pipettes, max. 450 mm
- Compartment size: 16 x 16 mm
- Complete with frame, height 150 mm
- Equipped with a connection for hot air drying
- Bracket for ML/2 for load carrier recognition/spray arm control
- H 502, W 535, D 517 mm

| Article | Description  | Mat. no. | Art. no.  | EAN           |
|---------|--|----------|-----------|---------------|
| E 405/1 | Mobile unit for optimum loading of up to 38 pipettes, connection for hot air drying. | 6727920  | 69540502D | 4002514087078 |
| E 408   | Mobile unit for the optimum loading of up to 96 pipettes.                            | 3810130  | 69540801D | 4002511116689 |


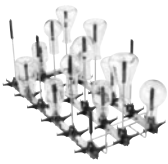

# EasyLoad

## Overview

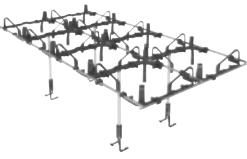
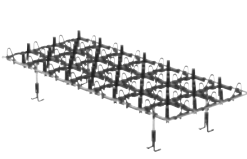
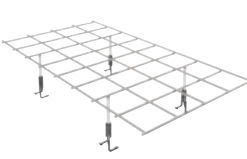
### PG 85xx

|         |   |   |
|---------|---|---|
| Baskets |  |  |
|         | A 100   | A 150   |







### PG 85xx

|                            |   |   |  |
|----------------------------|---|---|--|
| Loaded<br>Injector modules |  |  |  |
|                            | A 300/3   | A 301/5   | A 302/3  |

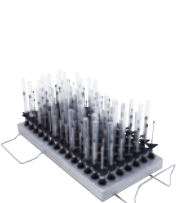


|                              |   |   |  |
|------------------------------|---|---|--|
| Unloaded<br>Injector modules |  |  |  |
|                              | A 300/2   | A 301/4   | A 302/2  |

|             |   |   |  |
|-------------|---|---|--|
| Holder rack |  |  |  |
|             | A 860   | A 861   | A 862  |

### PG 85xx

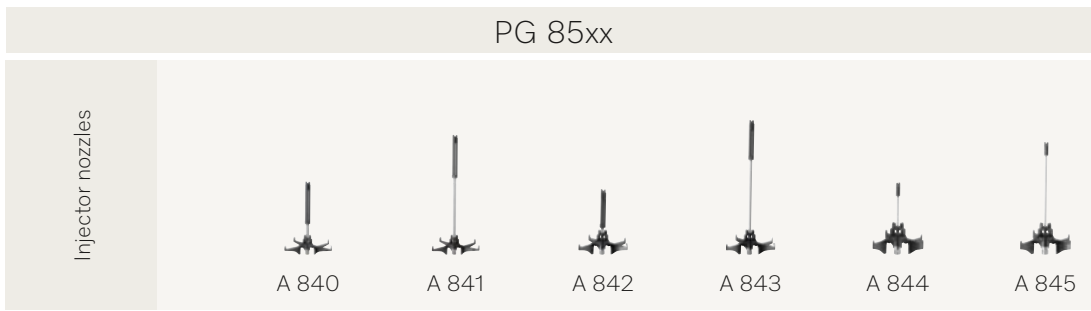
|                  |   |   |   |   |  |   |
|------------------|---|---|---|---|--|---|
| Injector nozzles |  |  |  |  |  |  |
|                  | A 840   | A 841   | A 842   | A 843   | A 844  | A 845   |

### PG 85xx

|                          |   |   |   |  |
|--------------------------|---|---|---|--|
| Further injector modules |  |  |  |  |
|                          | A 303   | A 304   | A 306/1   | A 312  |

|   |   |                               |       |       |
|---|---|-------------------------------|-------|-------|
| Injector module for large<br>laboratory glassware |  | Injector nozzles<br>for A 313 |       |       |
|   | A 313   | A 846                         | A 847 | A 848 |





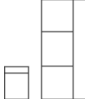
## Overview





# Compatibility With Entire Product Range

The nozzles of the EasyLoad system in particular can be fitted on virtually all Miele laboratory washers.

| EasyLoad components  |            |   |   |   |
|--|------------|---|---|---|
|  |            |  |  |  |
| Laboratory glasswashers  |            | Injector modules  | Injector nozzles  | Holder rack   |
| Current model series   |            |   |   |   |
|  | PG 8504    | ◆   | ◆   | ◆   |
|  | PG 8583    | ◆   | ◆   | ◆   |
|  | PG 8593    | ◆   | ◆   | ◆   |
|  | PG 8583 CD | ◆   | ◆   | ◆   |
| Discontinued model versions  |            |   |   |   |
|  | G 7883     | —   | ◆   | —   |
|  | G 7893     | —   | ◆   | —   |
|  | G 7883 CD  | —   | ◆   | —   |

# Injector Modules for a 100, a 150

PG 8504, PG 8583, PG 8593, PG 8583 CD



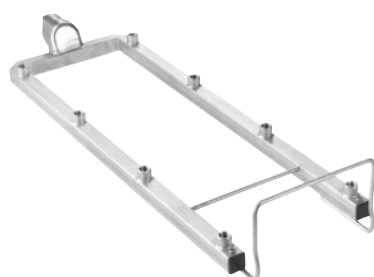
### A 300/3

#### Injector module for optimum loading of laboratory glassware – equipped with 8 nozzles.

- Suitable for laboratory glassware, incl. Erlenmeyer and round flasks (250 - 1,000 ml).
- Equipped with 4 A 840 nozzles and 4 A 841 nozzles
- Part of the EasyLoad system
- Nozzle spacing 118 mm across the width, 118 mm across the depth
- H 228, W 208, D 479 mm

#### Companion pack:

- A 840, injector nozzle Ø 6 mm, length 130 mm [qty]: 4
- A 841, injector nozzle Ø 6 mm, length 210 mm [qty]: 4



### A 300/2

#### Injector module for optimum loading of laboratory glassware – can be equipped with 8 nozzles.

- Suitable for lab. glassware incl. Erlenmeyer and round flasks.
- Module without injector nozzles – Configuration based on individual needs
- For up to 8 injector nozzles
- Particularly suitable for Ø 6 mm injectors, e.g. A 840 or A 841, other diameters possible depending on application
- Part of the EasyLoad system
- Nozzle spacing 118 mm across the width, 118 mm across the depth
- H 72, W 133, D 479 mm



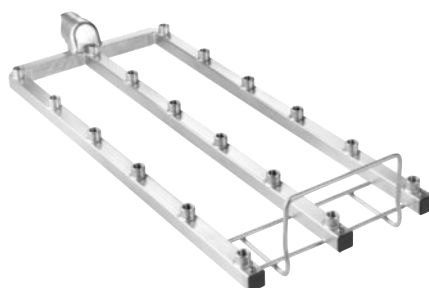
### A 301/5

#### Injector module for optimum loading of laboratory glassware – equipped with 18 nozzles.

- Suitable for laboratory glassware, incl. Erlenmeyer and round flasks (50 - 250 ml).
- Equipped with 9 A 842 nozzles and 9 A 843 nozzles
- Part of the EasyLoad system
- Nozzle spacing 78 mm across the width, 78 mm across the depth
- H 203, W 232, D 479 mm

#### Companion pack:

- A 842, injector nozzle Ø 4 mm, length 90 mm [qty]: 9
- A 843, injector nozzle Ø 4 mm, length 185 mm [qty]: 9



### A 301/4

#### Injector module for optimum loading of laboratory glassware – can be equipped with 18 nozzles.

- Suitable for lab. glassware incl. Erlenmeyer and round flasks.
- Module without injector nozzles – Configuration based on individual needs
- For up to 18 injector nozzles
- Particularly suitable for Ø 4 mm injectors, e.g. A 842 or A 843, other diameters possible depending on application
- Part of the EasyLoad system
- Nozzle spacing 78 mm across the width, 78 mm across the depth
- H 72, W 173, D 479 mm



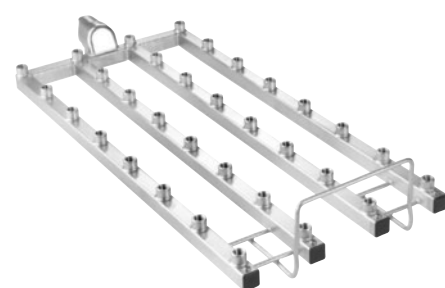
### A 302/3

#### Injector module for optimum loading of laboratory glassware – equipped with 32 nozzles.

- Suitable for laboratory glassware, incl. Erlenmeyer and round flasks (25 - 100 ml).
- Equipped with 16 A 844 nozzles and 16 A 845 nozzles
- Part of the EasyLoad system
- Nozzle spacing 60 mm across the width, 57 mm across the depth
- H 143, W 238, D 479 mm

#### Companion pack:

- A 844, injector nozzle Ø 2.5 mm, length 80 mm [qty]: 16
- A 845, injector nozzle Ø 2.5 mm, length 125 mm [qty]: 16



### A 302/2

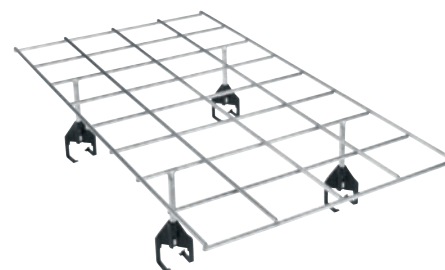
#### Injector module for optimum loading of laboratory glassware – can be equipped with 32 nozzles.

- Suitable for lab. glassware incl. Erlenmeyer and round flasks.
- Module without injector nozzles – Configuration based on individual needs
- For up to 32 injector nozzles
- Particularly suitable for Ø 2.5 mm injectors, e.g. A 844 or A 845, other diameters possible depending on application
- Part of the EasyLoad system
- Nozzle spacing 60 mm across the width, 57 mm across the depth
- H 72, W 195, D 479 mm

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| A 300/3 | Module for optimum loading of laboratory glassware – can be equipped with 8 nozzles.  | 11116900 | 69630003D | 4002516188964 |
| A 301/5 | Module for optimum loading of laboratory glassware – can be equipped with 18 nozzles. | 11116950 | 69630105D | 4002516188971 |
| A 302/3 | Module for optimum loading of laboratory glassware – can be equipped with 32 nozzles. | 11116960 | 69630203D | 4002516188988 |
| A 300/2 | Module for optimum loading of laboratory glassware – can be equipped with 8 nozzles.  | 11056770 | 69630002D | 4002516087632 |
| A 301/4 | Module for optimum loading of laboratory glassware – can be equipped with 18 nozzles. | 11056780 | 69630104D | 4002516087649 |
| A 302/2 | Module for optimum loading of laboratory glassware – can be equipped with 32 nozzles. | 11056790 | 69630202D | 4002516087656 |

# Holder Racks for Injector Modules A 300/x, A 301/x and A 302/x

PG 8504, PG 8583, PG 8593, PG 8583 CD



## A 860

### Holder rack for A 300/2 and A 300/3 injector module

- Grid: 2 x 4 compartments
- For use on A 300/2 and A 300/3 injector modules
- For the optimum positioning of laboratory glassware
- Part of the EasyLoad system

## A 861

### Holder rack for A 301/4 and A 301/5 injector module

- Grid: 3 x 6 compartments
- For use on A 301/4 and A 301/5 injector modules
- For the optimum positioning of laboratory glassware
- Part of the EasyLoad system

## A 862

### Holder rack for A 302/2 and A 302/3 injector module

- Grid: 4 x 8 compartments
- For use on A 302/2 and A 302/3 injector modules
- For the optimum positioning of laboratory glassware
- Plastic-coated

| Article | Description  | Mat. no. | Art. no.  | EAN           |
|---------|--|----------|-----------|---------------|
| A 860   | Holder rack for injector modules A 300/2 and A 300/3 | 11056800 | 69686000D | 4002516087663 |
| A 861   | Holder rack for injector modules A 301/4 and A 301/5 | 11056810 | 69686100D | 4002516087670 |
| A 862   | Holder rack for injector modules A 302/2 and A 302/3 | 11056820 | 69686200D | 4002516087687 |

# Injector Nozzles

PG 8504, PG 8583, PG 8593, PG 8583 CD



## A 840

### Injector nozzle with plastic support, nozzle diameter 6 mm, length 130 mm

- Suitable for mobile injector units and baskets, screw connection
- Ideal for load items with neck diameters of between 12 mm and 85 mm
- Diameter of cap at top: 11 mm
- Part of the EasyLoad system
- H 130, W 92, D 86 mm



## A 841

### Injector nozzle with plastic support, nozzle diameter 6 mm, length 210 mm

- Suitable for mobile injector units and baskets, screw connection
- Ideal for load items with neck diameters of between 12 mm and 85 mm
- Diameter of cap at top: 11 mm
- Part of the EasyLoad system
- H 210, W 92, D 86 mm



## A 842

### Injector nozzle with plastic support, nozzle diameter 4 mm, length 90 mm

- Suitable for mobile injector units and baskets, screw connection
- Ideal for load items with neck diameters of between 70 mm and 70 mm
- Diameter of cap at top: 9 mm
- Part of the EasyLoad system
- H 90, W 76, D 71 mm



## A 843

### Injector nozzle with plastic support, nozzle diameter 4 mm, length 185 mm

- Suitable for mobile injector units and baskets, screw connection
- Ideal for load items with neck diameters of between 10 mm and 70 mm
- Diameter of cap at top: 9 mm
- Part of the EasyLoad system
- H 185, W 76, D 71 mm



## A 844

### Injector nozzle with plastic support, nozzle diameter 2.5 mm, length 80 mm

- Suitable for mobile injector units and baskets, screw connection
- Ideal for load items with neck diameters of between 6 mm and 55 mm
- Diameter of cap at top: 5 mm
- Part of the EasyLoad system
- H 80, W 60, D 55 mm



## A 845

### Injector nozzle with plastic support, nozzle diameter 2.5 mm, length 125 mm

- Suitable for mobile injector units and baskets, screw connection
- Ideal for load items with neck diameters of between 6 mm and 55 mm
- Diameter of cap at top: 5 mm
- Part of the EasyLoad system
- H 125, W 60, D 55 mm



# Injector Nozzles

PG 8504, PG 8583, PG 8593, PG 8583 CD

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| A 840   | Injector nozzle with plastic supports, nozzle diameter 6 mm, length 130 mm, 1 item.     | 11056100 | 69684000D | 4002516188742 |
| A 841   | Injector nozzle with plastic supports, nozzle diameter 6 mm, length 210 mm, 1 item      | 11056190 | 69684100D | 4002516188759 |
| A 842   | Injector nozzle with plastic supports, nozzle diameter 4 mm, length 90 mm, 1 item       | 11056330 | 69684200D | 4002516188766 |
| A 843   | Injector nozzle with plastic supports, nozzle diameter 4 mm, length 185 mm, 1 item      | 11056440 | 69684300D | 4002516188773 |
| A 844   | Injector nozzle with plastic supports, nozzle diameter 2.5 mm, length 80 mm, 1 item.    | 11056600 | 69684400D | 4002516188780 |
| A 845   | Injector nozzle with plastic supports, nozzle diameter 2.5 mm, length 125 mm, 1 item.   | 11056670 | 69684500D | 4002516188797 |
| A 840/1 | Injector nozzle with plastic supports, nozzle diameter 6 mm, length 130 mm, 5 items.    | 11112600 | 69684001D | 4002516188803 |
| A 841/1 | Injector nozzle with plastic supports, nozzle diameter 6 mm, length 210 mm, 5 items     | 11113130 | 69684101D | 4002516188810 |
| A 842/1 | Injector nozzle with plastic supports, nozzle diameter 4 mm, length 90 mm, 5 items      | 11113590 | 69684201D | 4002516188865 |
| A 843/1 | Injector nozzle with plastic supports, nozzle diameter 4 mm, length 185 mm, 5 items     | 11113720 | 69684301D | 4002516188889 |
| A 844/1 | Injector nozzle with plastic supports, nozzle diameter 2.5 mm, length 80 mm, 5 items.   | 11115470 | 69684401D | 4002516188919 |
| A 845/1 | Injector nozzle with plastic supports, nozzle diameter 2.5 mm, length 125 mm, 5 items.  | 11116120 | 69684501D | 4002516188940 |
| A 840/2 | Injector nozzle with plastic supports, nozzle diameter 6 mm, length 130 mm, 10 items.   | 11113160 | 69684002D | 4002516188841 |
| A 841/2 | Injector nozzle with plastic supports, nozzle diameter 6 mm, length 210 mm, 10 items    | 11113140 | 69684102D | 4002516188827 |
| A 842/2 | Injector nozzle with plastic supports, nozzle diameter 4 mm, length 90 mm, 10 items     | 11113630 | 69684202D | 4002516188872 |
| A 843/2 | Injector nozzle with plastic supports, nozzle diameter 4 mm, length 185 mm, 10 items    | 11113730 | 69684302D | 4002516188896 |
| A 844/2 | Injector nozzle with plastic supports, nozzle diameter 2.5 mm, length 80 mm, 10 items.  | 11115500 | 69684402D | 4002516188926 |
| A 845/2 | Injector nozzle with plastic supports, nozzle diameter 2.5 mm, length 125 mm, 10 items. | 11116130 | 69684502D | 4002516119685 |
| A 840/3 | Injector nozzle with plastic supports, nozzle diameter 6 mm, length 130 mm, 20 items.   | 11113170 | 69684003D | 4002516188858 |
| A 841/3 | Injector nozzle with plastic supports, nozzle diameter 6 mm, length 210 mm, 20 items    | 11113150 | 69684103D | 4002516188834 |
| A 842/3 | Injector nozzle with plastic supports, nozzle diameter 4 mm, length 90 mm, 20 items     | 11113670 | 69684203D | 4002516195597 |
| A 843/3 | Injector nozzle with plastic supports, nozzle diameter 4 mm, length 185 mm, 20 items    | 11113760 | 69684303D | 4002516188902 |
| A 844/3 | Injector nozzle with plastic supports, nozzle diameter 2.5 mm, length 80 mm, 20 items.  | 11115520 | 69684403D | 4002516188933 |
| A 845/3 | Injector nozzle with plastic supports, nozzle diameter 2.5 mm, length 125 mm, 20 items. | 11116140 | 69684503D | 4002516188957 |

# Injector Nozzles for Sedimentation Cones and Further Injector Modules

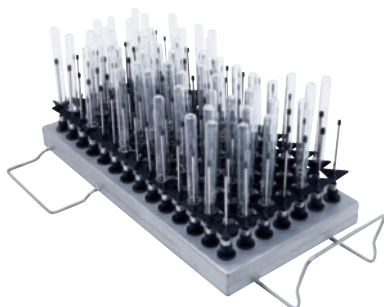
PG 8504, PG 8583, PG 8593, PG 8583 CD



## A 303

### Injector module, for optimum loading of up to 98 pipettes.

- Suitable for 98 measuring and full pipettes, for example
- Height of holder rack: 150 mm
- Vertical clearance without upper basket: 450 mm (with A 150 lower basket)
- Not for use in PG 8504
- 1 unit can be inserted into each of the baskets A 150 and APLW 106
- H 185, W 222, D 471 mm



## A 304

### Injector module, for optimum loading of up to 98 pipettes.

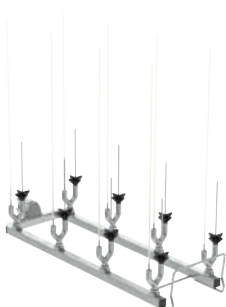
- Suitable for 98 centrifuge tubes, phials, test tubes, for example
- Vertical clearances differ depending on position
- 1 unit can be inserted into each of the baskets A 100, A 150 and APLW 106
- H 130, W 222, D 471 mm



## A 306/1

### Injector module, ideal for large-volume laboratory glassware.

- Suitable for 4 x 1 - 2 l measuring cylinders, tall form
- Suitable for 2 x 1 - 2 l measuring cylinders, short and 2 tall
- Plastic-coated contact surfaces
- Measuring cylinders even removable when module is in machine
- Max. load height: 500 mm
- Up to 2 modules can be inserted in the baskets A 150 and APLW 106
- H 433, W 249, D 475 mm



## A 312

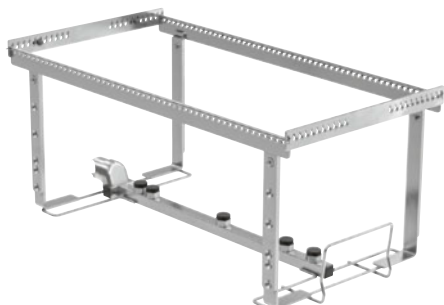
### Injector module for reprocessing viscometers.

- Suitable for up to 8 viscometers
- Equipped with 8 x A 867 special nozzles
- Nozzle spacing 118 mm across width, 118 mm across depth
- H 395, W 164, D 475 mm

| Article | Description  | Mat. no. | Art. no.  | EAN           |
|---------|--|----------|-----------|---------------|
| A 303   | Module for the optimum loading of up to 98 pipettes.                 | 9862560  | 69630300D | 4002515460825 |
| A 304   | Module for the optimum loading of up to 98 vials.                    | 9862570  | 69630400D | 4002515460832 |
| A 306/1 | Module for the optimum loading of large-volume laboratory glassware. | 11035210 | 69630601D | 4002516076254 |
| A 312   | Module for reprocessing viscometers.                                 | 11054470 | 69631200D | 4002516087397 |

# Injector Modules for Large Items of Laboratory Glassware

PG 8504, PG 8583, PG 8593, PG 8583 CD



## A 313

### Injector module for reprocessing large-volume laboratory glassware.

- Laboratory bottles, max. 10 l
- Round flasks, max. 6 l
- Erlenmeyer flasks, max. 5 l
- Measuring flasks, max. 5 l
- Can be equipped with nozzles & holders based on individual needs
- Equipped with 5 injector positions
- Depending on the diameter, for 2 or 3 load items
- H 221, W 234, D 495 mm

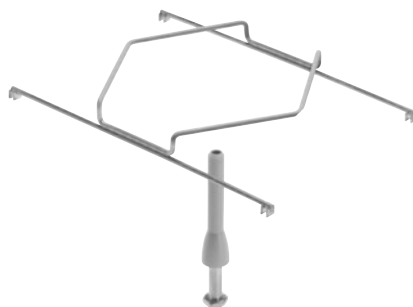
## Injector nozzles for A 313 and A 612 injector modules



## A 846

### Injector nozzle, with support, for laboratory bottles and round flasks.

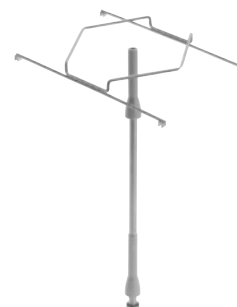
- For laboratory bottles, max. 10 l, and round flasks, max. 6 l
- Nozzle length: 127 mm, Nozzle length with holder: 158 mm
- Nozzle Ø: 10 mm
- For injector modules A 313 and A 612
- H 158, W 110, D 110 mm



## 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
- For injector modules A 313 and A 612



## A 848

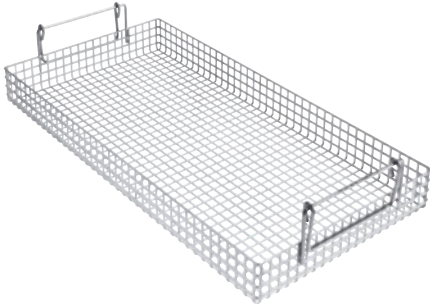
### Injector nozzle, with support, for measuring cylinders.

- Nozzle length: 350 mm
- Nozzle Ø: 10 mm, Support Ø: 142 mm
- For injector modules A 313 and A 612

| Article | Description  | Mat. no. | Art. no.  | EAN           |
|---------|--|----------|-----------|---------------|
| A 313   | Module for reprocessing large-volume laboratory glassware.                     | 11055970 | 69631300D | 4002516087854 |
| A 846   | Injector nozzle with support, for cleaning laboratory flasks and round flasks. | 11025590 | 69684600D | 4002516071464 |
| A 847   | Injector nozzle with support, for cleaning Erlenmeyer flasks.                  | 11025600 | 69684700D | 4002516071471 |
| A 848   | Injector nozzle with support, for cleaning measuring cylinders.                | 11025610 | 69684800D | 4002516071488 |

# Inserts for Test Tubes, Funnels, Beakers, Wide-Necked Glassware, Measuring Cylinders

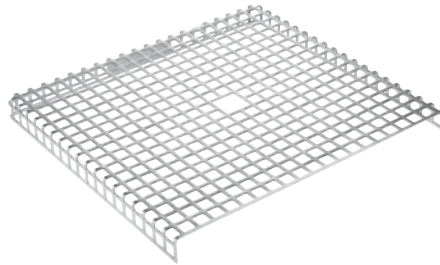
PG 8504, PG 8583, PG 8593, PG 8583 CD



## AK 12/1

### Insert, for various utensils

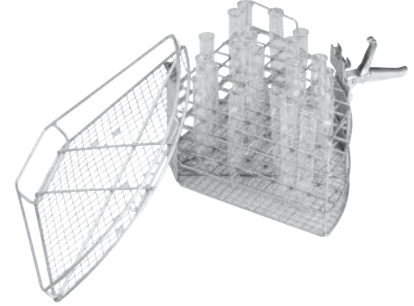
- Suitable for beakers, funnels, breast milk pumps, for example
- With flexible handles
- Suitable for many upper and lower baskets as well as load carriers
- Not for PG 8536
- H 120, W 229, D 427 mm



## A 14/1

### Lid, for securing delicate load items.

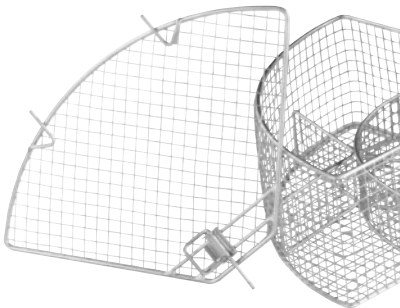
- Lid in stainless steel
- 8 x 8 mm perforations, 3 mm edge
- Covers half of AK 12/1 insert
- Not for use in PG 8536
- H 19, W 207, D 224 mm



## E 149

### Insert, for max. 80 test tubes, 16 x 105 mm.

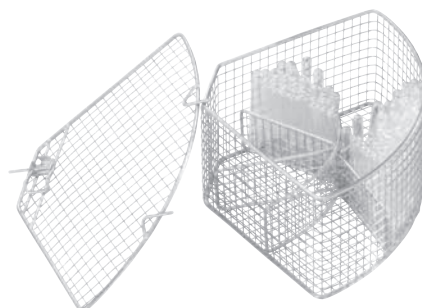
- Suitable for 80 test tubes, max. 16 x 105 mm
- Additionally equipped with A 13 lid
- 80 compartments, 18 x 18 mm
- Mesh width on base 8 x 8 mm
- H 152, W 200, D 320 mm



## A 13

### Lid, for securing delicate load items.

- Lid in stainless steel
- 1 mm wire mesh, 8 mm mesh gauge, 4 mm all-round frame
- As replacement for E103, E104, E105 and E139 inserts
- H 20, W 200, D 320 mm



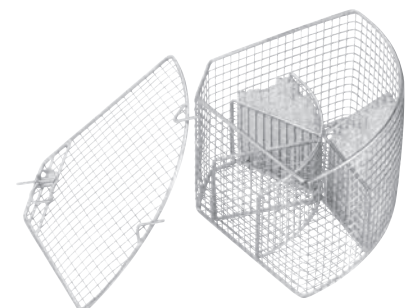
## E 103/1

### Insert, for test tubes, 12 x 75 mm.

- Suitable for approx. 200 test tubes, (max. 12 x 75 mm)
- 6 compartments
- Mesh width: 8 x 8 mm
- Incl. A 13 lid
- H 122, W 200, D 320 mm

Companion pack:

- A 13 lid, for securing delicate load items [qty]: 1



## E 104/1

### Insert, for test tubes, 12 x 105 mm.

- Suitable for approx. 200 test tubes, (max. 12 x 105 mm)
- Incl. A 13 lid
- Mesh width: 8 x 8 mm
- H 152, W 200, D 320 mm

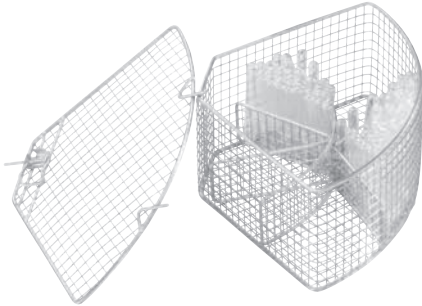
Companion pack:

- A 13 lid, for securing delicate load items [qty]: 1

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| AK 12/1 | Insert for loading different utensils.                          | 11131690 | 69501204D | 4002516343714 |
| A 14/1  | Lid for securing delicate load items.                           | 11131560 | 69746003D | 4002516340126 |
| E 149   | Insert for optimum loading of 80 test tubes, 16 x 105 mm.       | 3808800  | 69514901D | 4002511116016 |
| A 13    | Lid for fixing delicate wash items.                             | 3810200  | 69745001D | 4002511117204 |
| E 103/1 | Insert for the optimum loading of test tubes up to 12 x 75 mm.  | 6907630  | 69510302D | 4002514231051 |
| E 104/1 | Insert for the optimum loading of test tubes up to 12 x 105 mm. | 6907640  | 69510402D | 4002514231068 |

# Inserts for Test Tubes, Funnels, Beakers, Wide-Necked Glassware, Measuring Cylinders

PG 8504, PG 8583, PG 8593, PG 8583 CD



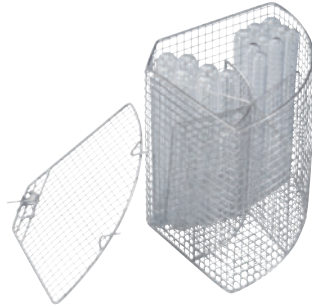
## E 105/1

### Insert, for test tubes, 12 x 165 mm.

- Suitable for approx. 200 test tubes, (max. 12 x 165 mm)
- Incl. A 13 lid
- Mesh width: 9 x 9 mm
- H 212, W 200, D 320 mm

Companion pack:

- A 13 lid, for securing delicate load items [qty]: 1



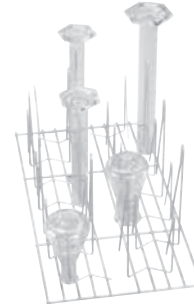
## E 139/1

### Insert, for test tubes, 12 x 200 mm.

- Suitable for test tubes, max. 12 x 200 mm
- 6 compartments
- Mesh size 9 x 9 mm
- For use in lower basket
- Incl. A 13 lid
- H 243, W 200, D 320 mm

Companion pack:

- A 13 lid, for securing delicate load items [qty]: 1



## E 106

### Insert, for wide-necked glassware, measuring cylinders, etc.

- Equipped with 10 spring hooks x 175 mm, and 16 x 105 mm
- The distance between the spring hooks is approx. 60 mm
- H 181, W 220, D 445 mm



## E 106/1

### Insert, for wide-necked glassware, measuring cylinders, etc.

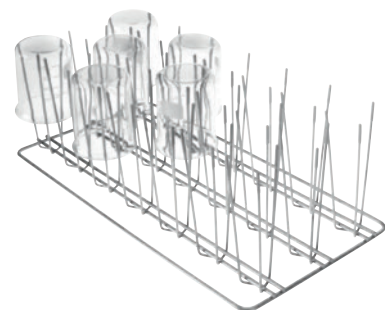
- Equipped with 26 small spring hooks x 105 mm height
- The distance between the spring hooks is approx. 60 mm
- H 116, W 220, D 445 mm



## E 106/2

### Insert, for wide-necked glassware, measuring cylinders, etc.

- Equipped with 13 x 175 mm large spring hooks
- The distance between the spring hooks is approx. 85 mm
- H 186, W 220, D 445 mm



## E 109

### Insert, for beakers, max. 250 ml.

- Suitable for 21 glass beakers, max. 250 ml
- Equipped with 21 x 3 stay bars
- For use in upper and lower basket
- H 155, W 230, D 460 mm

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| E 105/1 | Insert for the optimum loading of test tubes up to 12 x 165 mm.               | 6907650  | 69510502D | 4002514231075 |
| E 139/1 | Insert for the optimum loading of test tubes up to 12 x 200 mm.               | 6907660  | 69513902D | 4002514231082 |
| E 106   | Insert for the optimum loading of wide neck flasks, measuring cylinders, etc. | 3808310  | 69510601D | 4002511115675 |
| E 106/1 | Insert for the optimum loading of wide neck flasks, measuring cylinders, etc. | 3808320  | 69510602D | 4002511115682 |
| E 106/2 | Insert for the optimum loading of wide neck flasks, measuring cylinders, etc. | 3808330  | 69510603D | 4002511115699 |
| E 109   | Insert for the optimum loading of beakers up to 250 ml.                       | 3808360  | 69510901D | 4002511115729 |



# Inserts for Test Tubes, Funnels, Beakers, Wide-Necked Glassware, Measuring Cylinders

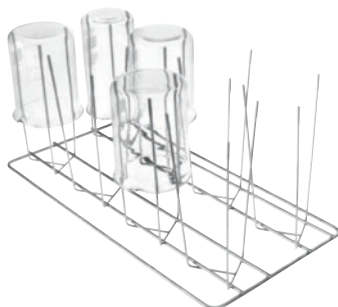
PG 8504, PG 8583, PG 8593, PG 8583 CD



## E 110

### Insert, for beakers, max. 250 – 600 ml.

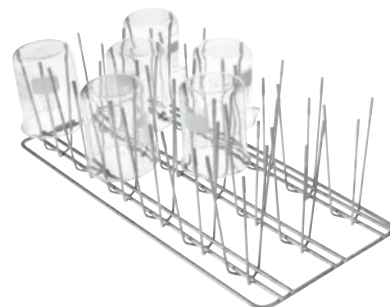
- Suitable for 10 glass beakers between 250 – 600 ml
- Equipped with 10 x 3 stay bars
- For use in lower basket
- H 175, W 230, D 460 mm



## E 111

### Insert, for beakers, max. 600 – 1,000 ml.

- Suitable for 8 glass beakers between 600 – 1000 ml
- Equipped with 8 x 3 stay bars
- For use in lower basket
- H 205, W 230, D 460 mm



## E 144

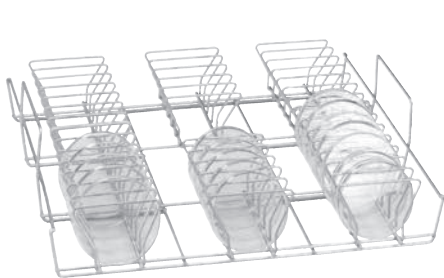
### Insert, for max. 18 beakers, max. 250 ml.

- Suitable for 18 glass beakers
- Equipped with 18 x 3 stay bars
- For use in upper and lower basket
- H 131, W 200, D 445 mm

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| E 110   | Insert for the optimum loading of beakers from 250 to 600 ml.   | 3808390  | 69511001D | 4002511115736 |
| E 111   | Insert for the optimum loading of beakers from 600 to 1,000 ml. | 3808420  | 69511101D | 4002511115743 |
| E 144   | Insert for the optimum loading of up to 18 beakers.             | 3808710  | 69514401D | 4002511115996 |

# Inserts for Petri Dishes, Watch Glasses, Microtiter Plates, etc.

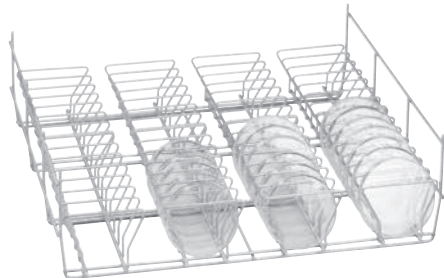
PG 8504, PG 8583, PG 8593, PG 8583 CD



## E 118

### Insert, for half petri dishes.

- Suitable for 38 half Petri dishes with Ø 100 mm
- Equipped with 38 holders, height 70 mm, spacing approx. 26 mm
- For use in upper basket
- H 120, W 460, D 445 mm



## E 136

### Insert, for 56 half petri dishes.

- Suitable for 56 half Petri dishes with Ø 100 mm
- Equipped with 56 holders, height 70 mm, spacing approx. 26 mm
- For use in lower basket
- The capacity can be doubled with insert E 137
- H 145, W 485, D 445 mm



## E 137

### Insert, for 56 half petri dishes.

- Suitable for 56 half Petri dishes with Ø 100 mm
- Equipped with 56 holders, height 70 mm, spacing approx. 26 mm
- For use in lower basket
- For use with insert E 136
- H 95, W 485, D 445 mm



## E 402

### Insert, for max. 44 watch glasses.

- Suitable for 44 watch glasses, Ø 80 - 125 mm
- Equipped with 23 bars spaced 15 mm apart
- H 53, W 200, D 445 mm



## E 403

### Insert, for max. 105 watch glasses.

- Suitable for 105 watch glasses, Ø 50 - 60 mm
- Equipped with 36 bars spaced 9 mm apart
- H 35, W 200, D 445 mm



## E 134

### Insert, for 210 slides.

- Suitable for 210 slides
- 26 compartments, 26 x 11 mm, wire thickness 3 mm
- H 73, W 200, D 445 mm

| Article | Description  | Mat. no. | Art. no.  | EAN           |
|---------|--|----------|-----------|---------------|
| E 118   | Insert for the optimum loading of half petri dishes.   | 3830270  | 69511801D | 4002511115767 |
| E 136   | Insert for optimum loading of 56 half petri dishes.    | 3830280  | 69513601D | 4002511115941 |
| E 137   | Insert for optimum loading of 56 half petri dishes.    | 3830290  | 69513701D | 4002511115958 |
| E 402   | Insert for optimum loading of up to 44 watch glasses.  | 3830420  | 69540201D | 4002511116627 |
| E 403   | Insert for optimum loading of up to 105 watch glasses. | 3830430  | 69540301D | 4002511116634 |
| E 134   | Insert for optimum loading of 210 slides.              | 3808600  | 69513401D | 4002511115897 |

# Inserts for Petri Dishes, Watch Glasses, Microtiter Plates, etc.

PG 8504, PG 8583, PG 8593, PG 8583 CD



**E 494**

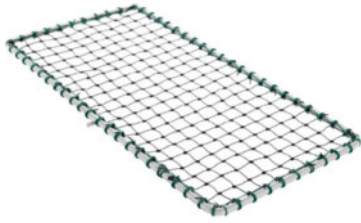
**Insert, for 5 microtiter plates.**

• H 35, W 205, D 440 mm

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| E 494   | Insert for the gentle holding of 5 microtiter plates. | 6570920  | 69549401D | 4002513926064 |

# Further Components

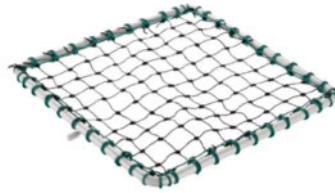
PG 8504, PG 8583, PG 8593, PG 8583 CD



## A 2

### Cover net, for securing delicate load items.

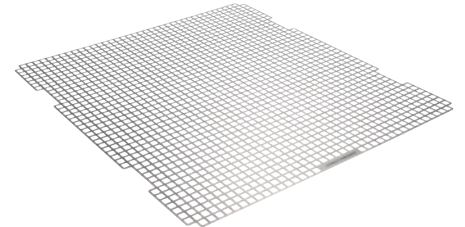
- Suitable for 1/2 inserts
- Plastic-coated metal frame with plastic netting
- Dimensions: 216 x 456 mm.



## A 3

### Cover net, for securing light-weight items in inserts.

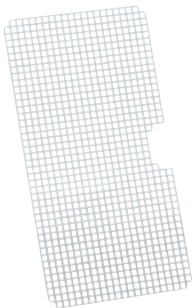
- Plastic-coated metal frame with plastic netting
- Suitable for 1/4 inserts
- 206 x 206 mm



## A 11/2

### Insert, for gentle cleaning of delicate load items by softening the impact of the spray jet.

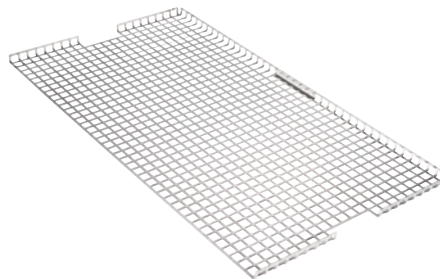
- With 8 x 8 mm perforations
- For use in upper and lower basket
- Not for use in PG 8536
- H 1, W 476, D 443 mm



## A 12/1

### Insert, for gentle cleaning of delicate load items by softening the impact of the spray jet.

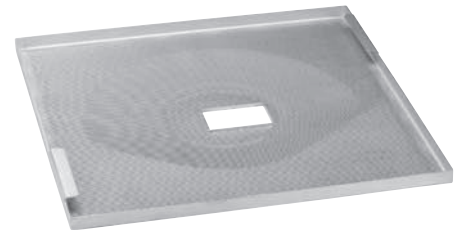
- With 7 x 7 mm perforations
- For use in upper and lower basket
- Recommended for use in PG 8536
- H 1, W 429, D 224 mm



## A 12/2

### Insert, for gentle cleaning of delicate load items by softening the impact of the spray jet.

- With 8 x 8 mm perforations
- For use in upper and lower basket
- Covers half of basket
- Not for use in PG 8536
- H 10, W 237, D 449 mm



## E 319/3

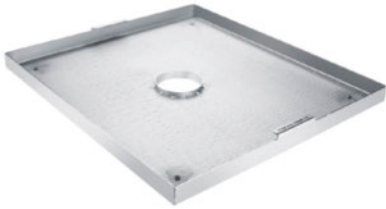
### Surface filter, retains labels and glass splinters.

- Surface filter for coarse soil
- Filters out laboratory glassware labels
- Prevents contamination with splinters of broken glass
- For use in all G 78 undercounter laboratory glasswashers
- W 500, D 488 mm

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| A 2     | Cover net for fixing delicate wash items.   | 3830460  | 69500201D | 4002511115590 |
| A 3     | Cover net as cover for wash items in inserts.   | 3830470  | 69500301D | 4002511115606 |
| A 11/2  | Insert for the gentle cleaning of delicate load items by interrupting the water jet.        | 11239130 | 69501103D | 4002516340119 |
| A 12/1  | Insert for the gentle cleaning of delicate load items by interrupting the spray jet.        | 6629670  | 69501203D | 4002513975697 |
| A 12/2  | Insert for the gentle cleaning of delicate load items by interrupting the water jet.        | 11238030 | 69501205D | 4002516237068 |
| E 319/3 | Surface filter for optimum protection against contamination from labels or glass splinters. | 6477070  | 69531904D | 4002513860238 |

# Further Components

PG 8504, PG 8583, PG 8593, PG 8583 CD



## E 319/4

### Surface filter, retains labels and glass splinters.

- Surface filter for coarse soil
- Filters out laboratory glassware labels
- Prevents contamination with splinters of broken glass
- For use in all PG 85 undercounter laboratory glasswashers
- H 39, W 455, D 513 mm

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| E 319/4 | Surface filter for optimum protection against contamination from labels or glass splinters. | 11237950 | 69531905D | 4002516207429 |

# Injector Nozzles and Further Components

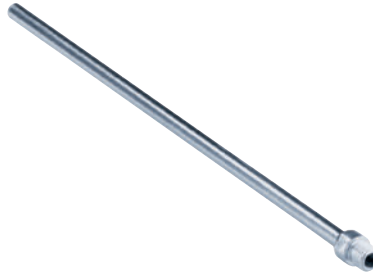
PG 8504, PG 8583, PG 8593, PG 8583 CD



## E 336

### Irrigation sleeve for optimum loading of pipettes. MIS instruments in mobile injector unit

- Secure hold for pipettes, max. 445 mm
- Plastic, with screw fitting
- H 121, W 11, D 11 mm



## E 352

### Injector nozzle, for optimum cleaning of load items.

- Suitable for use in mobile injector unit
- Can be combined with E 354 clip
- Ø 6 x 220 mm, screw thread



## E 353

### Clip, height-adjustable, for optimum positioning of laboratory glassware on nozzles.

- Suitable for E 351 injector nozzle
- Height adjustable clip
- Injector nozzle, e.g. for bottles, Erlenmeyer flasks and round flasks
- H 160, W 4, D 4 mm



## E 354

### Clip, height-adjustable, for optimum positioning of laboratory glassware on nozzles.

- Suitable for E 352 injector nozzle
- Height adjustable clip
- Injector nozzle, e.g. for bottles, Erlenmeyer flasks and round flasks
- H 220, W 6, D 6 mm



## ID 90

### Injector nozzle with plastic support, 2.5 mm, length 90 mm.

- Suitable for standard mobile injector units and injector baskets
- Suitable e.g. for measuring cylinders, flasks and test tubes



## ID 110

### Injector nozzle with plastic support, 2.5 mm, length 110 mm.

- Suitable for standard mobile injector units and injector baskets
- Suitable e.g. for measuring cylinders, flasks and test tubes

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| E 336   | Irrigation sleeves for the optimum loading of pipettes/MIS instruments in injector units. | 3809390  | 69733601D | 4002511117068 |
| E 352   | Injector nozzle for the optimum cleaning of the wash items.                               | 3809510  | 69735201D | 4002511117082 |
| E 353   | Clamps height-adjustable for optimum positioning of laboratory glassware on the nozzle.   | 3809530  | 69735301D | 4002511117099 |
| E 354   | Clamps height-adjustable for optimum positioning of laboratory glassware on the nozzle.   | 3809540  | 69735401D | 4002511117105 |
| ID 90   | Injector nozzle with plastic supports, Ø 3 mm, length 90 mm.                              | 3810320  | 69709001D | 4002511116962 |
| ID 110  | Injector nozzle with plastic supports, Ø 3 mm, length 110 mm.                             | 3810330  | 69711001D | 4002511116979 |



# Injector Nozzles and Further Components

PG 8504, PG 8583, PG 8593, PG 8583 CD



## ID 140

### Injector nozzle with plastic support, 4 mm, length 140 mm.

- Suitable for standard mobile injector units and injector baskets
- Suitable e.g. for measuring cylinders, flasks and test tubes



## ID 160

### Injector nozzle with plastic support, 4 mm, length 160 mm.

- Suitable for standard mobile injector units and injector baskets
- Suitable e.g. for measuring cylinders, flasks and test tubes



## ID 180

### Injector nozzle with plastic support, 4 mm, length 180 mm.

- Suitable for standard mobile injector units and injector baskets
- Suitable e.g. for measuring cylinders, flasks and test tubes



## ID 200

### Injector nozzle with plastic support, 6 mm, length 200 mm.

- Suitable for standard mobile injector units and injector baskets
- Suitable e.g. for measuring cylinders, flasks and test tubes



## ID 220

### Injector nozzle with plastic support, 6 mm, length 220 mm.

- Suitable for standard mobile injector units and injector baskets
- Suitable e.g. for measuring cylinders, flasks and test tubes



## ID 240

### Injector nozzle with plastic support, 6 mm, length 240 mm.

- Suitable for standard mobile injector units and injector baskets
- Suitable e.g. for measuring cylinders, flasks and test tubes

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| ID 140  | Injector nozzle with plastic supports, Ø 4 mm, length 140 mm. | 3810340  | 69714001D | 4002511116986 |
| ID 160  | Injector nozzle with plastic supports, Ø 4 mm, length 160 mm. | 3810350  | 69716001D | 4002511116993 |
| ID 180  | Injector nozzle with plastic supports, Ø 4 mm, length 180 mm. | 3810360  | 69718001D | 4002511117006 |
| ID 200  | Injector nozzle with plastic supports, Ø 6 mm, length 200 mm. | 3810380  | 69720001D | 4002511117013 |
| ID 220  | Injector nozzle with plastic supports, Ø 6 mm, length 220 mm. | 3810390  | 69722001D | 4002511117020 |
| ID 240  | Injector nozzle with plastic supports, Ø 6 mm, length 240 mm. | 3810400  | 69724001D | 4002511117037 |

# Injector Nozzles and Further Components

PG 8504, PG 8583, PG 8593, PG 8583 CD



## E 362

**Blind stopper, for sealing connections on load carriers.**

- Thread M 8 x 1



## A 838

**Set of keys to set basket heights & fitting and removing injector nozzles.**

- Set consisting of Torx wrench and open-jaw spanner
- Suitable for Miele upper baskets and mobile units



## A 802

**Nozzle, for rinsing dispenser compartment.**

- For use in laboratory washer-disinfectors with powder dispenser
- For use with injector modules
- Suitable for removing powder residues from dispenser compartment
- H 187, W 30, D 15 mm

| Article | Description  | Mat. no. | Art. no.  | EAN           |
|---------|--|----------|-----------|---------------|
| E 362   | Blind stopper for the sealing of fittings to load carriers.                    | 3809630  | 69736201D | 4002511117136 |
| A 838   | Key set for adjusting basket heights and installing/removing injector nozzles. | 11054290 | 69783800D | 4002516171720 |
| A 802   | Jets for the optimum cleaning of the dispenser compartment.                    | 9863070  | 69680200D | 4002515460979 |

# Transfer Trolley

PG 8583



## MC/2

**Transfer trolley, height-adjustable, for loading and unloading washer-disinfectors.**

- Equipped with 4 rollers, 2 of which can be locked
- 2 shelves (trough design), handles and docking panel
- H 1003, W 600, D 605 mm

| Article | Description   | Mat. no. | Art. no.  | EAN           |
|---------|---|----------|-----------|---------------|
| MC/2    | Transfer trolley height adjustable, for loading & unloading washer- & disinfectors. | 10138690 | 69200109D | 4002515588628 |

# Dispensing Components

PG 8504, PG 8583, PG 8593



## PG 8596

### Dispenser unit, for detergents and dispensers, stainless steel.

- 2 removable drawers for 3 x 5 l canisters each
- Interior dimensions: H 285 - 690, W 250, D 425 - 555 mm
- 2 loading options per level for dispenser modules
- Base tray facilitates better residual emptying of canisters
- H 835, W 300, D 600 mm



## PG 8596

### Dispenser unit, for detergents and dispensers, white.

- 2 removable drawers for 3 x 5 l canisters each
- Interior dimensions: H 285 - 690, W 250, D 425 - 555 mm
- 2 loading options per level for dispenser modules
- Base tray facilitates better residual emptying of canisters
- H 835, W 300, D 600 mm



## DOS K 85/1 flex

### Dispenser module for 5 l canisters, for automatic dispensing of liquid cleaning agents, with 'container empty' monitoring.

- Dispenser monitoring – high process security as per EN ISO 15883
- For dispensing liquid cleaning agent/neutralising agent
- 214 mm siphon for 5 l media canisters with flexible cap
- Siphon conversion kit for 10 - 30 l canisters available from Service



## DOS K 85 flex

### Dispenser module for 5-10 l canisters, for automatic dispensing of liquid cleaning agents, with 'container empty' monitoring.

- Dispenser monitoring – high process security as per EN ISO 15883
- For dispensing liquid cleaning agent/neutralising agent
- 352 mm siphon for 5 - 10 l canisters, with flexible cap
- Siphon conversion kit for 10 - 30 l canisters available from Service



## DOS G 80/1 Flex

### Peristaltic dispenser pump, for 5 l canisters, with level indicator for automatic dispensing of liquid detergent

- Suitable for commercial fresh water dishwashers from Miele
- 214 mm siphon for 5 l canisters
- Dispenses up to 55 ml per minute
- Adjustable via the dishwasher controls
- Flexible vent valve cap
- H 114, W 114.9, D 138.7 mm



## DOS G 80 Flex

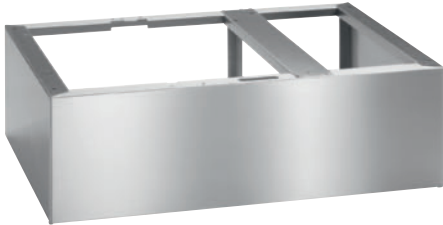
### Peristaltic dispenser pump, with level indicator for automatic dispensing of liquid detergent

- Suitable for commercial fresh water
- dishwashers from Miele
- 352 mm siphon for 5 and 10 l canisters
- Dispenses up to 55 ml per minute
- Adjustable via the dishwasher controls
- Flexible vent valve cap
- H 114, W 114.9, D 138.7 mm

| Article         | Description   | Mat. no. | Art. no.  | EAN           |
|-----------------|---|----------|-----------|---------------|
| PG 8596         | Dispensing cabinet for process chemicals and dispenser modules  | 10087340 | 69859602D | 4002515558324 |
| PG 8596         | Dispensing cabinet for process chemicals and dispenser modules  | 10087330 | 69859601D | 4002515558317 |
| DOS K 85/1 flex | Dispenser module for 5 litre canister with level indicator for the automatic dispensing of liquid media.            | 11498920 | 69747053D | 4002516365297 |
| DOS K 85 flex   | Dispenser module for 5-10 litre canisters with level indicator for the automatic dispensing of liquid media.        | 11498880 | 69747052D | 4002516357438 |
| DOS G 80/1 flex | Hose dispenser pump for 5 l containers with level indicator for the automatic dispensing of liquid cleaning agents. | 10730810 | 67747045D | 4002516331605 |
| DOS G 80 Flex   | Hose metering pump with level indicator for the automatic dispensing of liquid cleaning agents.                     | 10730780 | 67747040D | 4002516331599 |

# Plinths

PG8504, PG8583, PG8593



**UC 30-90/70-78 UC 78**

Box plinth to raise the machine, 70 cm deep, 90 cm wide



**UE 30-60/60-78**

Box plinth to raise the machine, 60 cm deep, 60 cm wide.



**UG 30-60/60-85**

Box plinth to raise the machine, 60 cm deep, 60 cm wide.



**UG 30-90/60-85**

Box plinth to raise the machine incl. side unit, 60 cm deep, 90 cm wide.



**UG 30-90/70-85**

Box plinth to raise the machine, 70 cm deep, 90 cm wide.

| Article        | Description                     | Mat. no. | Art. no.  | EAN           |
|----------------|---------------------------------|----------|-----------|---------------|
| UC 30-90/70-78 | Box plinth to raise the machine | 05818100 | 69379009D | 4002513347807 |
| UE 30-60/60-78 | Box plinth to raise the machine | 05818030 | 69376009D | 4002513347784 |
| UG 30-60/60-85 | Box plinth to raise the machine | 10087350 | 69306001D | 4002515558331 |
| UG 30-90/60-85 | Box plinth to raise the machine | 10087360 | 69309001D | 4002515558348 |
| UG 30-90/70-85 | Box plinth to raise the machine | 10210600 | 69309002D | 4002515622506 |

# Abbreviations

## Explanation of abbreviations

|      |  |         |   |
|------|--|---------|---|
| AD   | Connection for demineralised water (Aqua Destillata) | PA      | Panel   |
| ADP  | Feed pump for unpressurised demineralised water      | PD      | Powder dispensing   |
| AE   | Stainless-steel casing                               | PR      | Printer   |
| BO   | Boiler   | RFID    | Radio-frequency identification  |
| BW   | Brilliant white                                      | RP      | Plinth, on wheels   |
| CL   | Chamber lighting                                     | RT      | Recycling tank  |
| CLST | Clean Steel  | RV      | Room air intake   |
| CM   | Conductivity meter                                   | SC      | Steam condenser   |
| CS   | Conductivity meter                                   | SCi     | Integrated dishwasher with 3D+ cutlery tray/3D MultiFlex tray             |
| CT   | Combi tank   | SCVi    | Fully integrated dishwasher with 3D+ cutlery drawer / 3D Multiflex drawer |
| DP   | Drain pump   | Set DOS | Set with external dispenser module  |
| DS   | Dispensing system                                    | SST     | Serial interface  |
| DU   | Drying unit  | SST     | Stainless steel   |
| DV   | Drain valve  | SV      | Water sampling  |
| EL   | Electric heating                                     | TC      | Top-box panelling   |
| EL/S | Steam/Electric heating                               | TH      | Heated tank   |
| FP   | Plinth, fixed  | TT      | Transfer trolley  |
| H14  | HEPA H14 filter                                      | U       | Undercounter unit   |
| HLR  | Version with bellows-type dispenser pumps            | UL      | Certified components for USA/CDN  |
| HP   | Heat pump (dryers)                                   | USB     | USB connection  |
| i    | Integrated   | WB      | White/black casing  |
| LD   | Liquid dispensing                                    | WF      | Without front   |
| LFM  | Conductivity meter                                   | WS      | Water softener  |
| LW   | Lotus white  | WW      | Hot water connection  |
| OIL  | Version with oil- and grease-resistant gaskets       | XXL     | Extra large chamber   |



# Miele

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