

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

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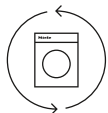
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Find all information here:
<https://miele.com.au/p>

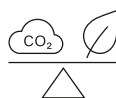
Our Pledges for the Planet

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

PROtect

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

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 ³ [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) ¹	–	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

¹ 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 [mins.]	CW [l]	WW [l]	AD [l]	Energy [kWh]	Cycle duration [mins.]	Energy [kWh]
Short	19	10.0	-	9.0	1.5	-	-
Medium	24	18.0	-	9.0	1.6	-	-
Long	30	27.0	-	9.0	2.0	-	-

PG 8583*	Cleaning					Drying	
	Cycle duration [mins.]	CW [l]	WW [l]	AD [l]	Energy [kWh]	Cycle duration [mins.]	Energy [kWh]
Universal	34	4.5	31.5	18.5	1.7	3	-
Standard	29	5.0	14.0	18.5	1.7	2	-
Intensive	36	4.5	23.5	27.5	1.9	3	-
Anorganica	38	5.0	24.0	27.5	1.8	2	-
Organica	40	-	37.0	18.5	2.0	3	-
Injector Plus	40	6.0	42.0	24.0	1.8	3	-
Pipettes	43	7.5	37.5	45.0	1.8	2	-
Plastics	34	36.0	-	18.5	1.5	-	-
Quick wash	20	-	19.0	9.5	2.3	-	-
Oil programme	41	-	47.0	18.5	1.9	3	-
Special 93°C-10'	53	11.9	29.6	14.0	3.4	3	-
De-min. rinse	6	-	-	10.0	-	-	-
Rinse	4	10.0	-	-	-	-	-

PG 8593*							
Universal	33	4.5	31.5	18.5	2.1	37	0.7
Standard	28	5.0	14.0	18.5	2.8	37	0.7
Intensive	35	4.5	23.5	27.5	2.3	37	0.7
Anorganica	36	5.0	24.0	27.5	2.4	37	0.7
Organica	38	-	37.0	18.5	1.8	37	0.7
Injector Plus	38	6.0	42.0	24.0	2.0	37	0.7
Pipettes	40	7.5	37.5	45.0	2.3	47	0.6
Plastics	33	36.0	-	18.5	1.6	52	0.7
Quick wash	18	-	19.0	9.5	2.3	37	0.7
Oil programme	39	-	47.0	18.5	1.6	37	0.7
Special 93°C-10'	51	11.9	29.6	14.0	1.5	79	1.4
De-min. rinse	6	-	-	10.0	1.6	-	-
Rinse	4	10.0	-	-	3.0	-	-
Drying	-	-	-	-	-	40	0.7

PG 8583 CD*							
Universal	33	4.5	31.5	18.5	2.1	37	0.7
Standard	28	5.0	14.0	18.5	2.8	37	0.7
Intensive	35	4.5	23.5	27.5	2.3	37	0.7
Anorganica	36	5.0	24.0	27.5	2.4	37	0.7
Organica	38	-	37.0	18.5	1.8	37	0.7
Injector Plus	38	6.0	42.0	24.0	2.0	37	0.7
Pipettes	40	7.5	37.5	45.0	2.3	47	0.6
Plastics	33	36.0	-	18.5	1.6	52	0.7
Quick wash	18	-	19.0	9.5	2.3	37	0.7
Oil programme	39	-	47.0	18.5	1.6	37	0.7
Special 93°C-10'	51	11.9	29.6	14.0	1.5	79	1.4
De-min. rinse	6	-	-	10.0	1.6	-	-
Rinse	4	10.0	-	-	3.0	-	-
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
Controls/programmes	
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	–
Water connections	
1 x cold water, 2.0-10 bar flow pressure (200 – 1000 kPa) ¹	◆
1x demineralised water, 2.0 – 10 bar flow pressure (200 – 1000 kPa) ¹	◆
Drain pump Ø 22 mm, Max. head height: 100 cm	◆
WaterProof System (WPS)	◆
Electrical connection	
AC 230 V 50 Hz, supply lead, approx. 2.0 m, 5 x 2.5 mm ² incl. plug	◆
Heating [kW]	2.5
Circulation pump [kW]	0.7
Total rated load [kW]	3.2
Fuse rating [A]	16
Dispenser systems (depending on model)	
1 door dispenser for powder cleaning agent	◆
Connection options (depending on model)	
DOS G 80 Flex or DOS G 80/1 Flex for liquid dispensing	1
Water softener	
For hot and cold water, max 65°C	◆
Steam condenser	
Aerosol	–
Drying unit/Radial fan	
Fan	–
Heater bank [kW]	–
Total rated load [kW]	–
Air throughput [m ³ /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	–
Dimensions, weight	
External dimensions H/W/D [mm]	835/600/600
Chamber dimensions H/W/D [mm]	522/536/O=518 U=523
Weight [kg]	74
Casing options	
Stainless steel (AE)	◆
Compliance	
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	◆
Test certificates	
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
Controls/programmes			
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	◆	◆	◆
Water connections			
1 x cold water, 2.0-10 bar flow pressure (200-1000 kPa) ¹	◆	◆	◆
1 x cold water for steam condenser, 2.0 – 10 bar flow pressure (200 – 1000 kPa) ¹	◆	◆	◆
1 x demineralised water, 2.0 – 10 bar flow pressure (200 – 1000 kPa) ¹ (optional ADP version: connection for hose with 13 mm interior diameter)	◆	◆	◆
1 x hot water, 2.0 – 10 bar flow pressure (200 – 1000 kPa) ¹	◆	◆	◆
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)	◆	◆	◆
Standard Electrical Connection³			
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
Dispenser systems (depending on model)			
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)	–	–	◆
Connection options (depending on model)			
DOS K 85 Flex for liquid dispensing	2	2	–
Water softener			
For hot and cold water, max 65°C	◆	◆	◆
Steam condenser			
Aerosol	◆	◆	◆
Drying unit/Radial fan			
Fan	–	0.3	0.3
Heater bank [kW]	–	2.2	2.2
Total rated load [kW]	–	2.5	2.5
Air throughput [m ³ /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
Dimensions, weight			
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
Casing options			
Stainless steel (AE)	◆	◆	◆
Compliance			
IP safety class according to EN 60529: IP 21, EN 61010-2-040, RCM	◆	◆	◆
Test certificates			
EN 61010-1	◆	◆	◆
WaterMark	◆	◆	◆

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

³ Possible Electrical Connection Available

EasyLoad Sample Loads

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



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



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



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



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.
Baskets		
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
EasyLoad		
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
Inserts		
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
Further components		
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

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

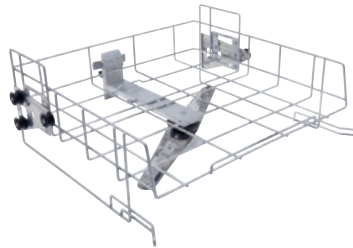
PG 8504, PG 8583, PG 8593, PG 8583 CD



A 100

Upper basket, for injector modules or inserts.

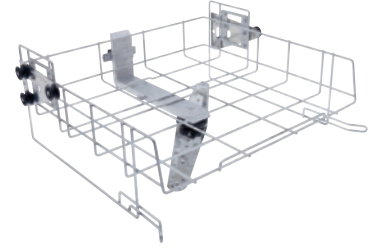
- Upper basket with two docking pipes
- For loading up to 2 injector modules or inserts
- Automatic closing of the connections when not in use
- Vertical clearance on module with plastic supports: 190 mm
- Clearances: width 489, length 440 mm
- H 141, W 528, D 525 mm



A 101

Upper basket, height adjustable, for inserts.

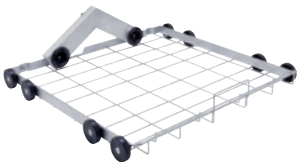
- Vertical clearance HWD 160 +/- 30 mm, 475 mm, 443 mm
- With integrated spray arm
- H 206, W 528, D 527 mm



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.

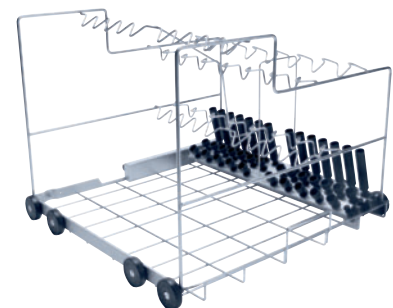
- Lower basket with two docking ports
- For loading up to 2 injector modules or inserts
- Automatic closing of the connections when not in use
- Clearances H 235, (with A 100 upper basket) W 494, D 440 mm
- H 154, W 529, D 546 mm



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

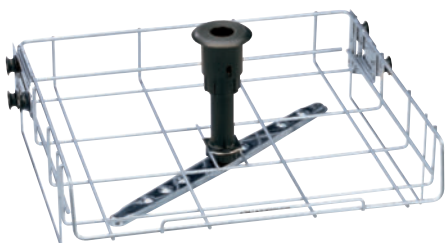
Load carrier, for up to 38 pipettes.

- 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

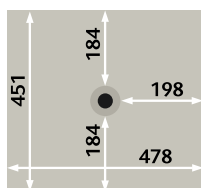
PG 8583



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


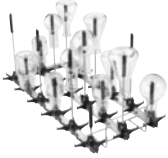

EasyLoad



Overview

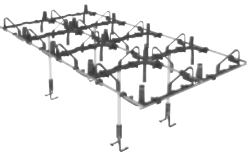
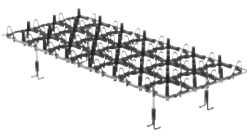
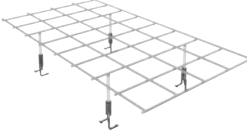
PG 85xx

Baskets		
	A 100	A 150

PG 85xx

Loaded Injector modules			
	A 300/3	A 301/5	A 302/3

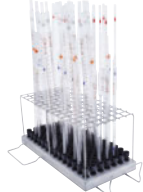
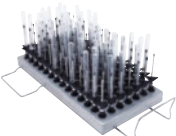

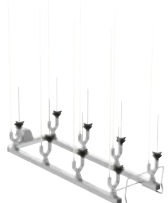
Unloaded Injector modules			
	A 300/2	A 301/4	A 302/2

Holder rack			
	A 860	A 861	A 862

PG 85xx

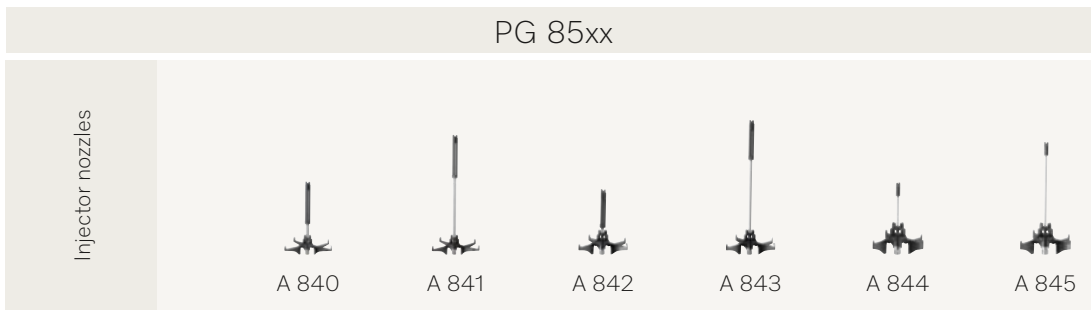
Injector nozzles						
	A 840	A 841	A 842	A 843	A 844	A 845

PG 85xx

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

Injector module for large laboratory glassware		Injector nozzles 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



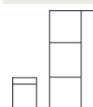
PG 8504
PG 8583
PG 8593
PG 8583 CD

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Discontinued model versions



G 7883
G 7893
G 7883 CD

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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



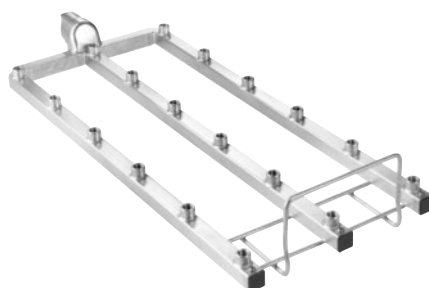
A 301/5

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



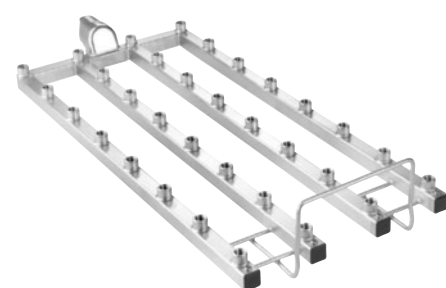
A 302/3

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

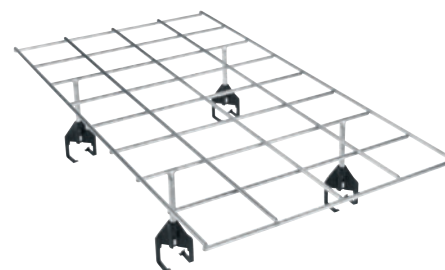
Injector module for optimum loading of laboratory glassware – can be equipped with 32 nozzles.

- 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

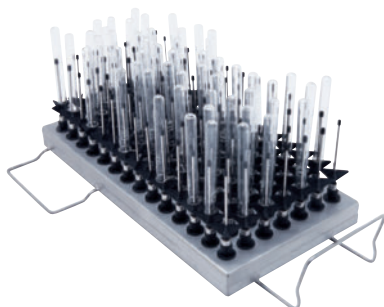
PG 8504, PG 8583, PG 8593, PG 8583 CD



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.

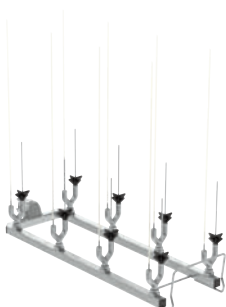
- Suitable for 98 centrifuge tubes, phials, test tubes, for example
- Vertical clearances differ depending on position
- 1 unit can be inserted into each of the baskets A 100, A 150 and APLW 106
- H 130, W 222, D 471 mm



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

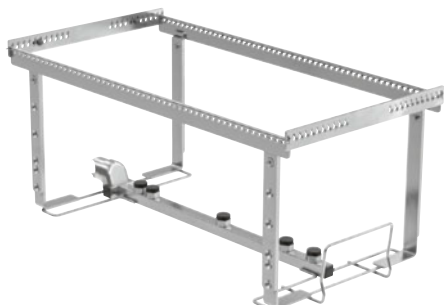
Injector module for reprocessing viscometers.

- 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

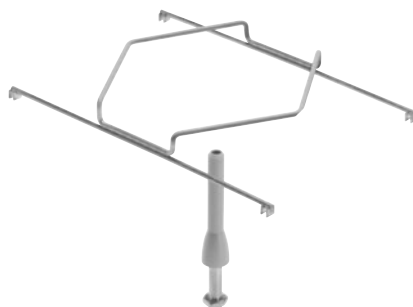
Injector nozzles for A 313 and A 612 injector modules



A 846

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

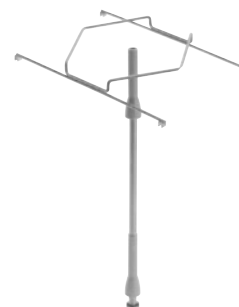
- For laboratory bottles, max. 10 l, and round flasks, max. 6 l
- Nozzle length: 127 mm, Nozzle length with holder: 158 mm
- Nozzle Ø: 10 mm
- For injector modules A 313 and A 612
- H 158, W 110, D 110 mm



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

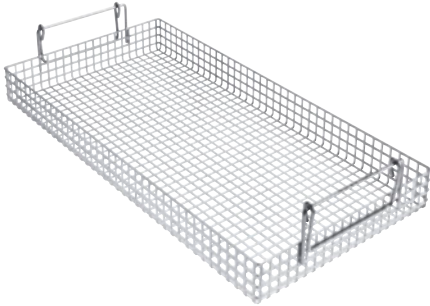
Injector nozzle, with support, for measuring cylinders.

- 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

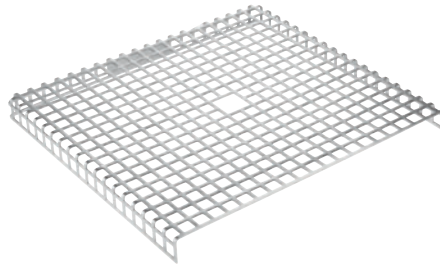
PG 8504, PG 8583, PG 8593, PG 8583 CD



AK 12/1

Insert, for various utensils

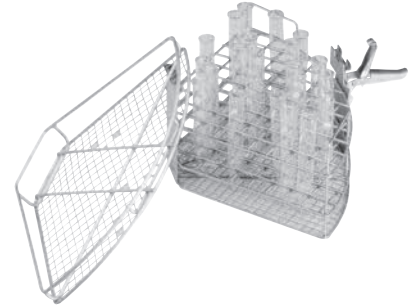
- Suitable for beakers, funnels, breast milk pumps, for example
- With flexible handles
- Suitable for many upper and lower baskets as well as load carriers
- Not for PG 8536
- H 120, W 229, D 427 mm



A 14/1

Lid, for securing delicate load items.

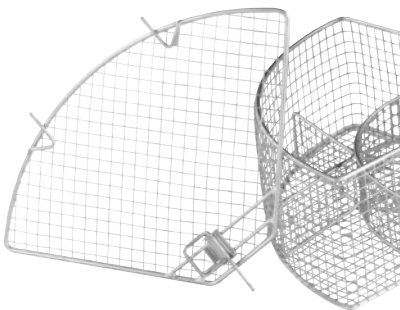
- Lid in stainless steel
- 8 x 8 mm perforations, 3 mm edge
- Covers half of AK 12/1 insert
- Not for use in PG 8536
- H 19, W 207, D 224 mm



E 149

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

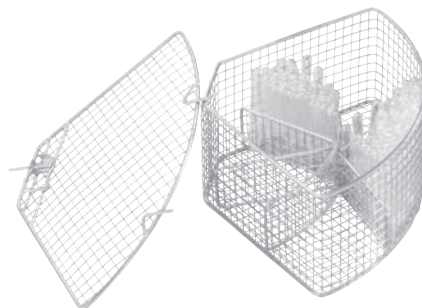
- Suitable for 80 test tubes, max. 16 x 105 mm
- Additionally equipped with A 13 lid
- 80 compartments, 18 x 18 mm
- Mesh width on base 8 x 8 mm
- H 152, W 200, D 320 mm



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



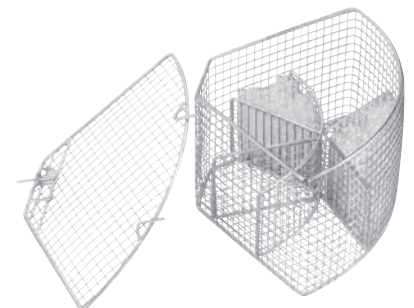
E 103/1

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

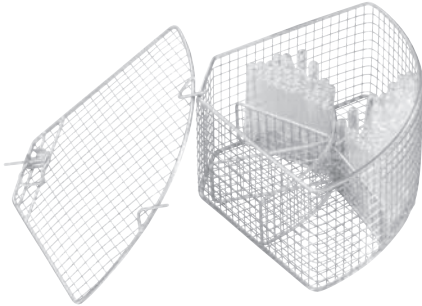
Companion pack:

- 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



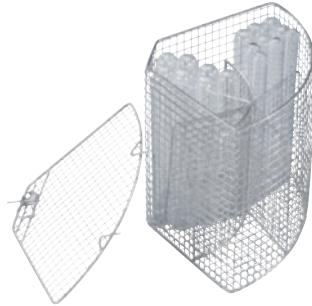
E 105/1

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



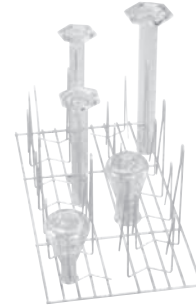
E 139/1

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:

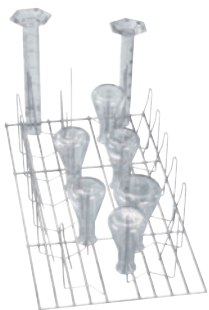
- A 13 lid, for securing delicate load items [qty]: 1



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.

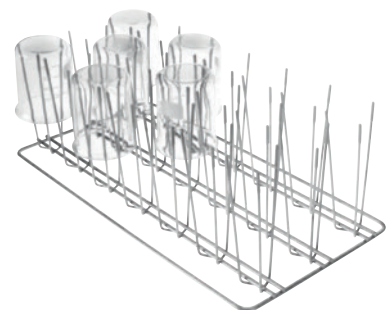
- Equipped with 26 small spring hooks x 105 mm height
- The distance between the spring hooks is approx. 60 mm
- H 116, W 220, D 445 mm



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

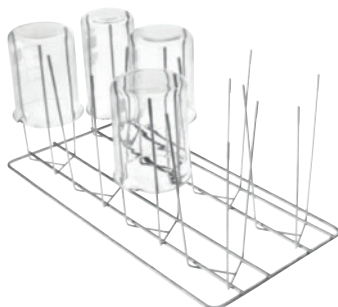
PG 8504, PG 8583, PG 8593, PG 8583 CD



E 110

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

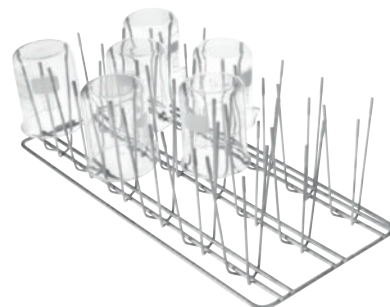
- Suitable for 10 glass beakers between 250 – 600 ml
- Equipped with 10 x 3 stay bars
- For use in lower basket
- H 175, W 230, D 460 mm



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

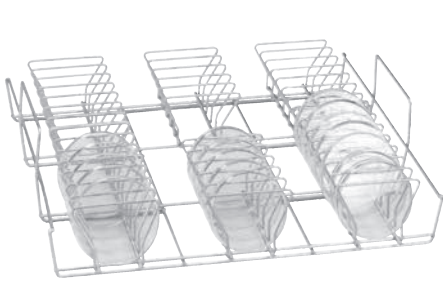
Insert, for max. 18 beakers, max. 250 ml.

- 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.

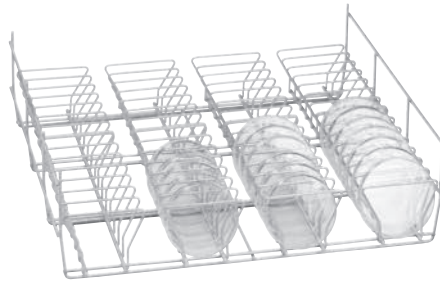
PG 8504, PG 8583, PG 8593, PG 8583 CD



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

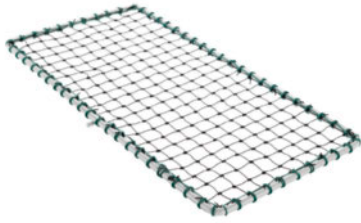
Insert, for 5 microtiter plates.

• 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

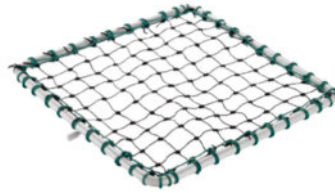
PG 8504, PG 8583, PG 8593, PG 8583 CD



A 2

Cover net, for securing delicate load items.

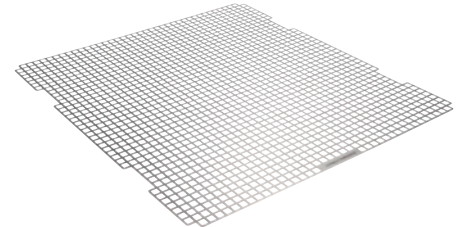
- Suitable for 1/2 inserts
- Plastic-coated metal frame with plastic netting
- Dimensions: 216 x 456 mm.



A 3

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

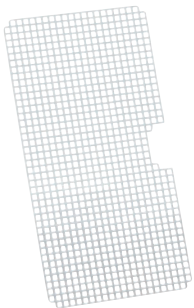
- Plastic-coated metal frame with plastic netting
- Suitable for 1/4 inserts
- 206 x 206 mm



A 11/2

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

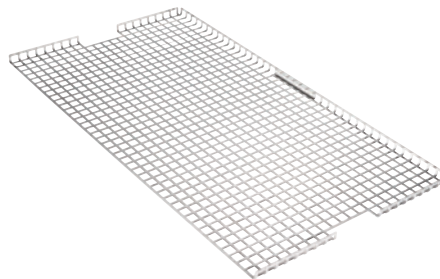
- With 8 x 8 mm perforations
- For use in upper and lower basket
- Not for use in PG 8536
- H 1, W 476, D 443 mm



A 12/1

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

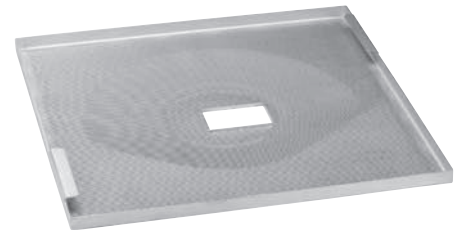
- With 7 x 7 mm perforations
- For use in upper and lower basket
- Recommended for use in PG 8536
- H 1, W 429, D 224 mm



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 30-90/70-78UC 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

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