

G 7804

Laboratory glassware washing machine



G 7804 for laboratory glassware



The G 7804 Lavabor has been designed for cleaning laboratory glassware in schools, industrial, environmental and research laboratories.

Capacity

- 39 narrow necked flasks (E 329) or
- 116 pipettes (E 406) or
- 1600 test tubes (E 103/E 139)

Construction

- H 850 (820), W 600, D 600 mm
- Front loading machine with drop down door
- Suitable for use freestanding or can be fitted under a worktop
- Stainless steel casing and lid
- Space frame construction with side wall insulation
 - low heat and noise emissions
 - easy to recycle
- Wash chamber and spray arms in high grade stainless steel

Features

- Wash chamber with 2 levels
 - high capacity
- Two spray arms (3rd spray arm is in the upper basket)
 - accurate wash
- Direct coupling of upper basket and injector mobile units to water feed
- Profi Monobloc Water softener
 - continual reactivation during the cleaning process
- Water intake controlled by fly wheel counter
 - precise amount of water taken in ensures the correct ratio of water to cleaning and disinfecting agents
 - automatic extension in low pressure installations
 - booster pump not necessary
 - consumption linked reactivation of water softener
- Electro thermal door lock
 - safety for personnel
 - high process safety
- Access to check and control temperatures and temperature holding times
- In-built pump for tank fed low pressure Deionised water (ADP version)

Dispenser system

- One dispenser for powder cleaning agents and two for liquid agents in the door

Options and accessories

- Dispenser (DOS module G 60) for liquid cleaning agents
- Dispenser (DOS G 10) for neutralising liquids
- Plinth H 300 mm



The GB version of the G 7804 is fitted with a moulded plug for a simple plug-in connection to a 13 A switched socket.

G 7804 controls

Controls

Multitronic Novo Vario

Programmes

- 3 standard cleaning programmes

Programme Control

- Single switch control knob

Display

- Programme sequence display
- Temperature and programme duration
- Programme end, optical and acoustic signal
- Service and fault check lights

Interface

- Optical interface for service technician



Programme chart

Programme	When to use	Pre-wash
A SHORT	For laboratory utensils and glassware with light water soluble contamination. This programme does not include a pre-wash or neutralisation. The final rinse is carried out with de-ionised (AD) water.	
B MEDIUM	For normally soiled laboratory utensils and glassware where the contamination is soluble in water or at higher temperatures where alkaline. This programme does not include a pre-wash. The final rinse is carried out with de-ionised (AD) water.	
C LONG	For heavily soiled laboratory utensils and glassware where the contamination is soluble in water or at higher temperatures where alkaline. This programme includes a pre-wash and neutralisation. The final rinse is carried out with de-ionised (AD) water.	X
DRAIN	For draining water out of the machine, e.g. when a programme has been interrupted. Turn the programme selector to the STOP position ⏏ first!	
PRE-RINSE	For rinsing heavily soiled items (e.g. for removing soiling or disinfectant residue or to prevent soiling drying on to glassware when a complete programme does not yet need to be run).	

X = Sections included in a programme

¹⁾ Temperatures/temperature holding times in the main wash and final rinse stages can be used to suit user requirements

²⁾ Rinse 2 has to be activated by the user if required. The machine can be programmed by a service technician to use AD water for this rinse if required.

DOS 1 = For dispensing cleaning agent

DOS 2 = For dispensing rinsing agent

DOS 3 = For dispensing neutralising agent

AD = Aqua destillata (programmable for Rinse stage 2)



	Main wash ¹⁾	Rinse 1	Rinse 2 ²⁾	Final rinse ¹⁾	Drying (optional)
	X DOS 1 70°C / 5'		(X) DOS 3 (AD)	X 70°C / 3' AD (DOS 2)	(X)
	X DOS 1 70°C / 5'	X DOS 3	(X) (AD)	X 70°C / 3' AD (DOS 2)	(X)
	X DOS 1 70°C / 5'	X DOS 3	(X) (AD)	X 70°C / 3' AD (DOS 2)	(X)
		X			

Baskets and inserts

Superb cleaning results using special baskets and inserts

The Miele fresh water circulation system, coupled with the double wide-jet spray arms washes on two levels.

The upper and lower stainless steel baskets, O 188 and U 874 can be fitted with a wide range of inserts to suit individual wash requirements.



O 188/1 upper basket (empty)

- Open at front
- For various inserts
- H 215, W 531, D 475 mm
- Clearance: 165 mm
- Height adjustable +/- 20 mm
- Built-in spray arm

O 190/1 upper basket (empty)

- As O 188/1
- Clearance: 215 mm



U 874/1 lower basket (empty)

- Open at front
- For various inserts
- H 50, W 534, D 515 mm
- Clearance: 270 mm with O 188/1
- Clearance: 220 mm with O 190/1
- Height adjustable +/- 20 mm



E 106 Insert 1/2

- With 28 large and small spring clips
- For lower basket

E 106/1 Insert 1/2

- With 28 x 105 mm small spring clips
- For upper or lower basket

E 106/2 Insert 1/2

- With 15 x 175 mm large spring clips
- For lower basket



E 109 Insert 1/2

- For 21 beakers up to 250 ml, round and conical flasks etc.
- For lower basket

E 110 Insert 1/2

- For 10 beakers 250–600 ml.
- For lower basket

E 111 Insert 1/2

- For 8 beakers 600–1000 ml.
- For lower basket

E 144 Insert 1/2

- For 18 beakers up to 250 ml.
- For upper or lower basket



E 118 Insert 1/1

- For 38 Petri dishes
- For upper or lower basket

E 136 Insert 1/1

- For 56 Petri dishes
- For lower basket

E 137 Insert 1/1

- For 56 Petri dishes
- For use with E 136

Baskets and inserts



Segment inserts

103/1 Insert 1/4

- For approx. 200 x 75 mm long test tubes
- For upper or lower basket

E 104/1 Insert 1/4

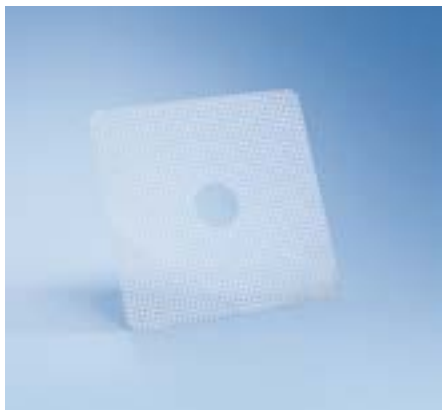
- For approx. 200 x 105 mm long test tubes
- For upper or lower basket

E 105/1 Insert 1/4

- For approx. 200 x 165 mm long test tubes
- For lower basket

E 139/1 Insert 1/4

- For approx. 200 x 200 mm long test tubes
- For lower basket



A 11 Insert 1/1

- Stainless steel mesh underlay
450 x 450 mm
- For upper or lower basket

A 12 Insert 1/2

- Stainless steel mesh underlay
450 x 225 mm
- For upper or lower basket



A 13 Lid

- For inserts E 103/1, E 104/1, E 105/1 and E 139/1
- Stainless steel



E 149 Insert 1/4

- For approx. 80 x 105 mm long test tubes
- For upper or lower basket



AK 12 Insert 1/2

- Mesh basket for funnels, beakers, wide-necked vessels, etc.
- For upper or lower basket



A 14 Lid

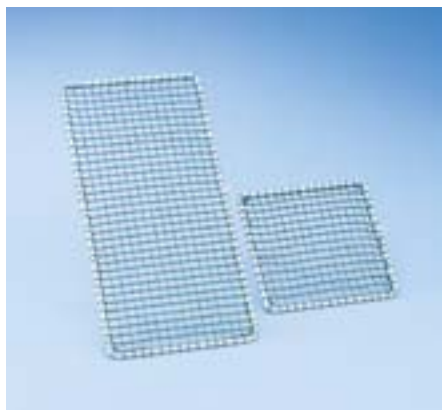
- For insert AK 12
- 210 x 210 mm
- Stainless steel

Baskets and inserts



E 134 Insert 1/2

- For 210 slides
- For upper or lower basket



A2 Cover net 1/2

- 216 x 456 mm plastic coated metal frame with plastic netting for half inserts

A3 Cover net 1/4

- 206 x 206 mm plastic coated metal frame with plastic netting for quarter inserts



E 403 Insert 1/2

- For 105 Petri dishes, 50–60 mm Ø
- For upper or lower basket

E 402 Insert 1/2

- For 44 Petri dishes, 80–125 mm Ø
- For upper or lower basket



E 329 Mobile injector unit 1/1

- For narrow-necked glassware with:
 - 4/5 jets 2.5 mm Ø x 90/110 mm
 - 5/5/5 jets 4 mm Ø x 140/160/180 mm
 - 5/5/5 jets 6 mm Ø x 200/220/240 mm
 - 1 jet for flushing out powder dispenser
- For lower basket



E 340 Mobile injector unit

Multi-purpose

- Half for narrow-necked glassware with:
 - 3/3/3 jets 4 mm Ø x 140/160/180 mm
 - 3/3/4 jets 6 mm Ø x 200/220/240 mm
 - 1 jet for flushing out powder dispenser
- Half for other inserts
- For lower basket



E 350 Mobile injector unit 1/1

- For narrow-necked glassware with:
 - 15 jets 4 mm Ø x 160 mm
 - 15 clips
 - 18 jets 6 mm Ø x 220 mm
 - 18 clips
 - 1 jet for flushing out powder dispenser
- For lower basket

Baskets and inserts

Accessories



E 355 Mobile injector unit

Multi-purpose

- Half for narrow-necked glassware with:
7 jets 4 mm Ø x 160 mm
7 clips
9 jets 6 mm Ø x 220 mm
9 clips
1 jet for flushing out powder dispenser
- Half for other inserts
- For lower basket



E 336 MIBO pipette holders

- Plastic with screw fitting for holding individual pipettes in a mobile injector unit



E 406 Mobile injector unit

- For 116 pipettes up to 450 mm
- Complete with support frame



UE 30-60/60-78 plinth

- H 300 x W 600 x D 600 mm
- Stainless steel
- Can be bolted to the machine

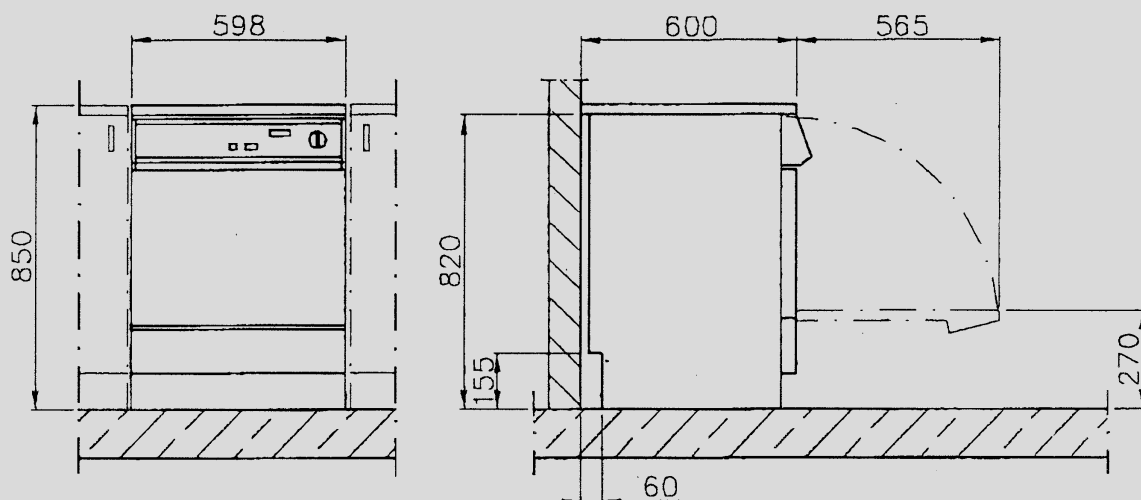


G 60 Liquid detergent dispensing pump

- Shown above with container (not supplied)

Technical data G 7804 Lavabor

Controls	
Multitronic Novo Plus	•
Impulse heating for drying, T = 10 min.	•
Water connections	
1 x cold / hot, 0.5–10 bar flow pressure (50–1000 kPa)	•
1 x AD (DI) water, 0.5–10 bar flow pressure (50–1000 kPa) AD Version	•
1 x ADP (DI) rubber hose 1.5 m DI water for low pressure 0.05 - 0.5 bar (5KPa - 50KPa) ADP version	•
2 inlet hoses 1/2" with 3/4" threaded union, length approx. 1.7 m	•
1 x drain hose, length approx. 1.4 m, internal dia. 22 mm – delivery head: 100 cm	•
Circulation pump Qmax (l/min)	400
Electrical connection	
1 N AC 230 V 50 Hz	•
Heating/Wash cabinet	1.8
Circulation pump [kW]	0.7
Total rated load [kW]	2.5
Fuse rating (GB version) [A]	1 x 13
Fuse rating (AUS version) [A]	1 x 15
Mains connection cable, length approx. 2.0 m, Ø 3 x 1.5 mm²	•
Dispenser system	
1 powder dispenser in the door	•
2 x liquid dispensers in the door (switched on together)	•
Connections for	
DOS G 10 dispenser for liquid rinsing agents	•
DOS G 60 dispenser for liquid cleaning agent	•
Water softener	
For cold or hot water to max 70°C, Monobloc	•
Dimensions, weight	
External dimensions: H 850 (820), W 598, D 600 mm	•
Weight, unloaded [kg]	70



Other Miele Professional products for different target groups



PW 6065 Plus washer extractor

- 6.5 kg load capacity
- Sluice and thermal disinfection programme
- Dryer can be stacked on top
- Maintenance free motor
- 1400 rpm spin speed



For bigger applications:

Where the throughput demands a greater load capacity than the Little Giants, Miele has the answer. The capacity range extends to 32 kg and even includes barrier washing machines for specialist applications.



Washer disinfectors for dental surgeries G 7831 and G 7881

- Cleans and disinfects
- External dimensions (G 7831)
H 850 (820), W 450, D 600 mm
- External dimensions (G 7881)
H 850 (820), W 600, D 600 mm
- Electrical connection:
3 N AC 400 V 50 Hz
AC 230 V 50 Hz
- Electronic controls with programme buttons for 4 programmes (G 7831) and 5 programmes (G 7881)



For hospitals:

G 7882 and G 7882 CD

Washer disinfectors

- Control system: Multitronic Novo plus
- Integrated hot-air drying unit and storage drawer for liquid agent supply containers on CD version
- Capacity: 2 AN sets
or 2 OP sets
or 4 DIN mesh trays
- H 820 (850), W 900, D 700 (600) mm



G 7826 Washer disinfectors

- Control system: Freely programmable "Profitronic" controls
- Two door barrier machine
- Wash cabinet with drop down door
- Batch capacity:
10 DIN mesh trays
or 4 AN sets
or 2 MIS sets
- External dimensions (plinth, washer disinfectors, drying unit):
H 1975, W 900, D 750 mm

PG 8528 Washer disinfectors

- Control system: Freely programmable "Profitronic" controls
- Two door barrier machine
- Wash cabinet with lift-up door
- Batch capacity:
15 DIN mesh trays
or 7 AN sets
or 3 MIS sets
- External dimensions (plinth, washer disinfectors, drying unit, and if applicable, steam condenser):
H 2420, W 1150, D 870 mm

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