

Miele

Reliable cleaning performance each and every day
The new PLW 8505 undercounter lab washer

Miele Professional. Immer Besser.



New:

PLW 8505
lab washer





Consistently reliable

How we guarantee good results

Robust and dependable, the new PLW 8505 lab washer offers durability, convincing cleaning results and reliability for your lab. The modern design and simple user interface makes it easy to operate in the hustle and bustle of daily life in the laboratory or classroom. For smooth operation and thorough cleaning results - day in and day out, the PLW 8505 is unsurpassed.

Convenient and flexible loading and unloading



The flexibility of the chamber design makes the new PLW 8505 lab washer ideal for laboratory glassware washing needs of classroom laboratories in schools as well as water treatment plants and offers an excellent solution for any lab currently washing by hand.

The sturdy drop down door features a glass window which allows observation of the wash chamber when in operation and is easy to keep clean and shiny.

The upper level takes an optional basket (sold separately) inserted on telescopic runners, which is designed to hold glassware, spatulas, funnels and beakers without any additional inserts necessary.

Two rotating spray arms made from stainless steel ensure thorough coverage and cleaning items both from above and below. The convenient removal of spray arms also makes for simple cleaning and maintenance if needed.

The lower injector basket, along with the 39 injectors, that must be ordered together with the labwasher are ideal for cleaning narrow-necked glassware. The optional upper basket completes the package to cover all glassware washing needs without any additional inserts to switch out.

Overview of further product benefits

PLW 8505



Intelligent controls

- Controls with flush, uninterrupted touch glass screen
- All information visible at a glance with 3.5" display
- Programs which cover most basic cleaning requirements
- Simple and effective cleaning



Hygienic chamber

- Chamber, spray arms and filters are made from high-grade stainless steel (DIN 1.4404/AISI 316L)
- Two independent levels for high wash performance
- Simple cleaning and maintenance with easy to remove spray arms



Full-glass door

- Enables visual observation of wash cycle
- Integrated chamber lighting
- Automatic door lock



Versatile loading system

- Lower injector basket is supplied standard with the lab washer
- Easily removable optional upper basket sits on telescopic runners which allow loads to be pulled clear of the casing

The new undercounter lab washer

PLW 8505



PLW 8505 undercounter lab washer

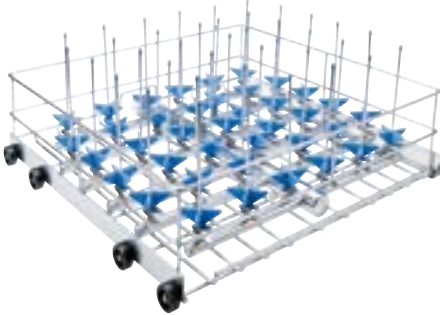
External dimensions [Width x Height x Depth]	23.75 x 33.5 x 25" (600 x 850 x 630 mm)
Chamber dimensions [Width x Height x Depth]	21.85 x 26.38 x 19.68" (555 x 670 x 500 mm)
Load concept	Rack system with max. 2 levels
Programs	9 program positions
Program selection	Touch on Glass
Load capacity	Lower level 39 injectors

Features

- All-glass bottom-hinged door
- Electric heating
- Hot air drying
- Steam condenser
- 2 integrated dispenser pumps
- Water connections for hot, cold and demineralized water
- Electrical connection AC 115V, 60 Hz

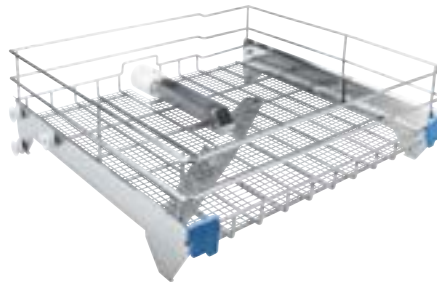
Accessories

PLW 8505



Lower basket APLW 095 (standard)

- Lower basket with 39 injectors for the cleaning of narrow-necked glassware, such as flasks.
- Vertical clearance with upper basket: approx. 5.9 - 6.5" (150 - 165 mm)
- Vertical clearance without upper basket: approx. 17.32 - 18.11" (440 - 460 mm)
- Must be ordered with labwasher



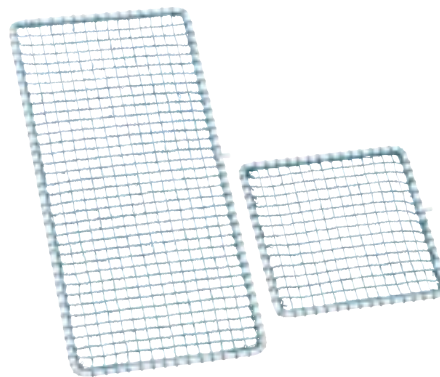
Upper basket APLW 096 (optional)

- Upper basket for the cleaning of wide-necked glassware, such as beakers, funnels, etc.
- Loading space: 19.09 x 17.72" (485 x 450 mm)
- Vertical clearance approx. 8.66" (220 mm)



Injectors APLW 052 and APLW 052/1

- For lower basket APLW 095
- Height: 6.89" (175 mm)
- Diameter: 0.16" (4 mm)
- Diameter tip: 0.20" (5 mm)
- Packaging: 1 unit (APLW 052), 39 units (APLW 052/1)
- Must be ordered with lower basket and labwasher.



A 2 and A 3 cover net

- Plastic-coated metal frame with plastic netting
- Can be placed on top of the beakers to prevent them from moving around
- A 2: 8.50 x 17.95" (216 x 456 mm)
- A 3: 8.11 x 8.11" (206 x 206 mm)










Cleaning Agents



Recommended cleaning agents for the Miele PLW 8505 lab washer are ProCare Lab 10AP alkaline liquid cleaning agent and ProCare Lab 30C acidic neutralizer. ProCare Lab 10MA mildly alkaline cleaning agent is a less aggressive, lower alkaline alternate to the ProCare Lab 10AP for less intensive wash applications.

Program structure

PLW 8505

Block		Wash	Wash	Wash	Wash	Wash	Wash	Wash	Wash	Wash	Wash	Wash	Drying
Function		Prewash 1	Prewash 2	Main wash 1	Main wash 2	Neutralization 1 Interim rinse 1	Neutralization 2	Interim rinse 2	Interim rinse 3	Interim rinse 4	Final rinse 1	Final rinse 2	Drying
Program	Button												
Short				HW DOS 1 122°F (50°C) 3 Min		HW DOS 3 2 Min						DI 140°F (60°C) 1 Min	
Standard		CW 2 Min		HW DOS 1 140°F (60°C) 3 Min		HW DOS 3 3 Min						DI 140°F (60°C) 1 Min	
Intensive		CW 2 Min		HW DOS 1 140°F (60°C) 3 Min		HW DOS 3 2 Min		HW 1 Min				DI 140°F (60°C) 1 Min	
Analytic		CW 2 Min		HW DOS 1 149°F (65°C) 3 Min		HW DOS 3 1 Min		DI 1 Min				DI 140°F (60°C) 1 Min	
Plastic				HW DOS 1 131°F (55°C) 3 Min		HW DOS 3 2 Min		HW 1 Min				DI 140°F (60°C) 1 Min	
Microbiology				DI DOS 1 194°F (90°C) 3 Min		DI DOS 3 1 Min		HW 1 Min				DI 167°F (75°C) 1 Min	
Prewash		CW 5 Min											
Customer specific 1 *)		CW 2 Min		HW DOS 1 122°F (50°C) 3 Min		HW DOS 3 1 Min						DI 140°F (60°C) 1 Min	
Customer specific 2 *)		CW 2 Min		HW DOS 1 149°F (65°C) 3 Min		HW DOS 3 1 Min		DI 1 Min				DI 140°F (60°C) 1 Min	

CW = Cold water

HW = Hot water

DI = Deionized water

Min = Holding time in minutes

DOS 1 = Detergent

DOS 3 = Neutralizer

*) Customizable programs with pre-set values to be adjusted

Laboratory Glassware Washer

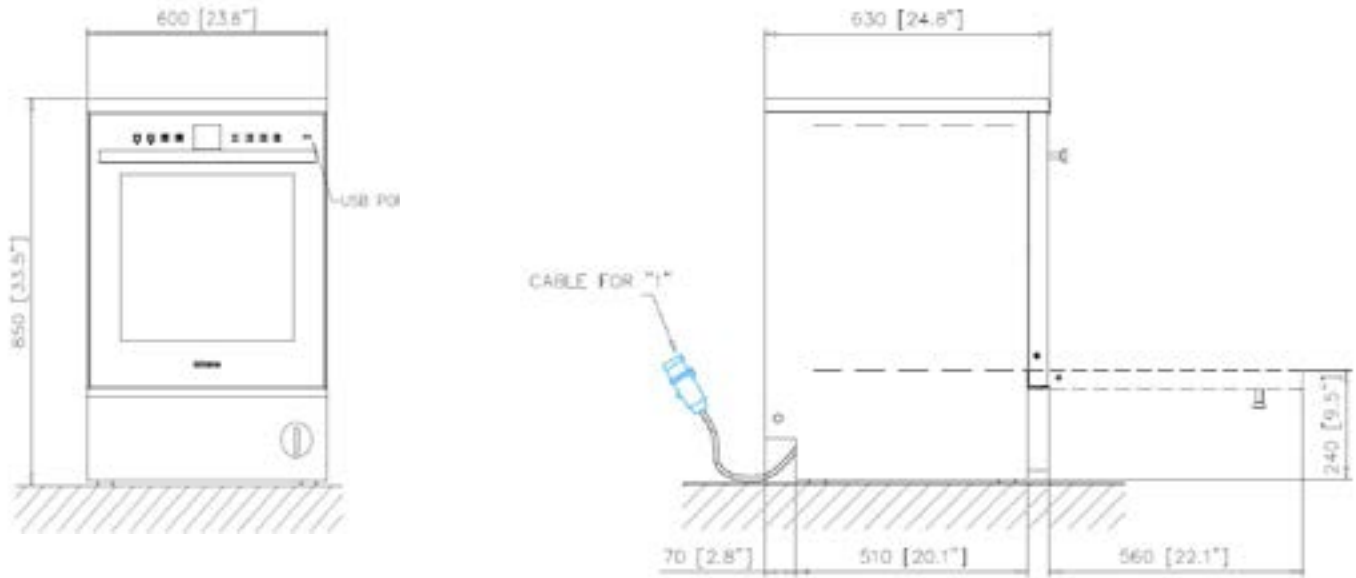
PLW 8505 (62850501USA)

Description	Standard	Metric
ELECTRICAL		
Voltage	115V/1PH+N+GR / 60Hz	115V/1PH+N+GR / 60Hz
Power supply	1.6 kW/ 15A	1.6 kW / 15A
Fuse rating	1 x 20A	1 x 20A
Cable and min.section	3 x AWG 12	3 x AWG 12
COLD WATER		
Connection	¾" male	DN 20
Max flow rate	3.2 gpm	12 lt/min
Min flow pressure	14.5 PSI g	100 kPa
Max pressure	116 PSI g	800 kPa
Max temperature	59°F	15°C
Max hardness	70 ppm CaCO ₃	7°f
Max conductivity/ph	n.a./7...8 pH	n.a./7...8 pH
WARM WATER		
Connection	¾" male	DN 20
Max flow rate	3.2 gpm	12 lt/min
Min flow pressure	14.5 PSI g	100 kPa
Max pressure	116 PSI g	800 kPa
Max temperature	140°F	60°C
Max hardness	70 ppm CaCO ₃	7°f
Max conductivity/ph	n.a./7...8 pH	n.a./7...8 pH
DEMI WATER		
Connection	¾" male	DN 20
Max flow rate	3.2 gpm	12 lt/min
Min flow pressure	14.5 PSI g	100 kPa
Max pressure	116 PSI g	200 kPa
Max temperature	140°F	60°C
Max hardness	15 ppm CaCO ₃	1.5°f
Max conductivity/ph	30 µs/cm/5...8 pH	30 µs/cm/5...8 pH
MAIN DRAIN		
Connection	½" 15DN	Ø 22 mm Hose L=2 m (78.7")
Peak flow rate	3.5 gpm	13 lt/min
Max height	31.5"	0.80 m
Max temperature	200°F	93°C
PRINTER CONNECTION		
Type	RS232	
ENVIRONMENT		
Temperature	+41...+104°F	+5...+40°C
Relative humidity	20...90% no condensing	20...90% no condensing
Max altitude of operation		2000 m SLM
Eq. noise pr. Lev. (Leq)	<70 dB (A)	<70 dB (A)
UNIT DIMENSIONS		
Overall Unit Dimensions	H 33.5" (850 mm) x W 23.6" (600 mm) x D 24.8" (630 mm)	
Shipping dimensions (incl. pallet)	H 40" (1010 mm) x W 31" (786 mm) x D 29" (740 mm)	
WEIGHTS		
Total Net	143 lb	65 daN (kg)
Total Gross	160 lb	73 daN (kg)
Max on working	264 lb	120 daN (kg)
Floor load	356 lb/ft ²	150 daN/m ² (kg/m ²)
Foot support area	2.8 in ²	18 cm ²
HEAT EMISSIONS		
Max. from frames	1126 BTU	330 W
Max. from trolley (122°F)	1194 BTU	350 W
Overvoltage category (according to IEC EN 60664 rule)		II
UL mark		
Certifications	61010-1 CAN/CSA-C22.2 No. 61010-1-04 CAN/CSA-C22.2 No. 61010-2-040 UL, Std. No. 61010-1 (2nd Edition) IEC 61010-2-040:2006	

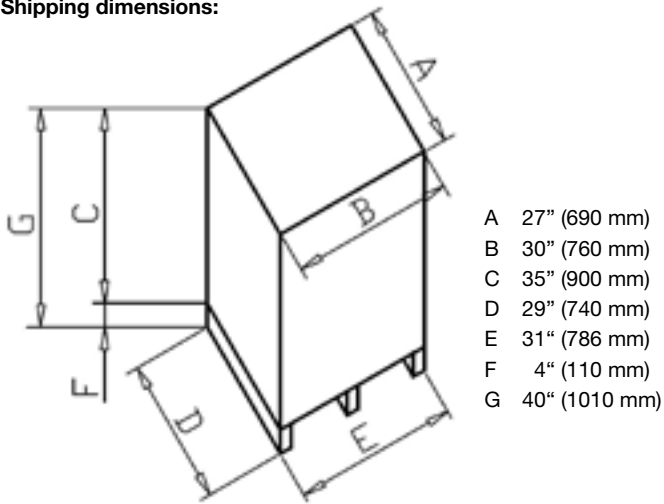
Laboratory Glassware Washer

PLW 8505 (62850501USA)

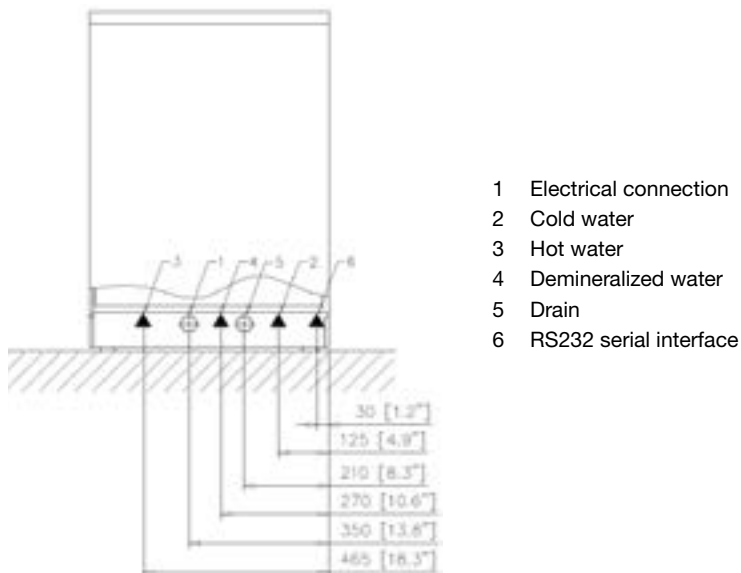
Dimensions:



Shipping dimensions:



Connections:



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Immer Besser

Since 1899, Miele – a family-run company – has subscribed to a clear corporate philosophy condensed into the two words 'Immer besser' (Forever better). This overarching claim is the foundation of Miele's proverbial quality and sustainability, and the power of innovation of a brand 'Made in Germany'. A brand promise which gives commercial users the certainty of having chosen the right product.

Miele Professional on the web

- For detailed information on technical data, features and accessories
- Brochures on all product groups and applications available as downloads

Award-winning

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

Proficient

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