

PLW 8615 [EL CT]

Lab washer, electrically heated

- single door with combi tank, 900 mm wide, 351 II usable capacity.



- Capacity/cycle, e.g.216 laboratory flasks, 588vials or 294pipettes
- Flexible use of the combi tank as a recycling/pre-heating tank
- Up to 60 % less water consumption based on the load *
- Flexible and simple modular load carriers & EasyLoad system
- Efficient strong pump power with the variable-speed pump
- Reliable results spray arm monitoring and conductivity meter

EAN: 4002516145028 / Material number: 11175180 / Old Material Number: 62861502GB

Construction type and version	
Construction type	Freestanding, 1 glass vertical sliding door
Type of heating	Electricity
Front/back	Stainless Steel
Side panels	Stainless steel
Single/multiple installations	•
Loading with mobile units	•
Electric door lock	•
Buzzer, acoustic signal at end of programme	•
Service-friendly design	•
Application	
Suitable for laboratories	•
Suitable for industrial applications	•
Capacity	
Narrow-necked glassware per cycle [number]	216
Test tubes per cycle [number]	588
Laboratory flasks per cycle [number]	216
Pipettes per cycle [number]	294
Performance data	
Circulation pump, Qmax in I/min	400
Additional circulation pump for load carrier – direct coupling, Qmax in I/min	600
Variable-speed pump	•
Wash cabinet usable capacity in I	351
Tested operating hours	15000
Service life in wash cycles	20000
Control system	20000
Control type	PST 20
Programme selection	Full-touch colour display
Programmability	programmable
Programmes [number]	30
Free programme positions [number]	170
Automatic programme restart	
Time left display	•
Programme sequence display	•
Status display via chamber lighting	•
Selectable display languages	•
Standard electrical connection	
Electrical connection	3N AC 400V 50HZ
Heater rating in kW	18.00
Total rated load in kW	20.00
Fuse rating in A	32-35
Water connection/drainage	
Cold water [number]	2
Hot water [number]	- 2
DI water [number]	- 1 2
Required flow pressure in kPa	200-1000
Maximum water hardness (cold water/hot water) in mmol/l	0.71
maximum valor haranoss (cold walti/hot walti/ iii iiiiiiii/i	0.1 1

e.g. 60 % saving with 100 ml laboratory bottles in Universal Max programme compared to Lab Universal programme for PG 8527



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Compressed air connection 1 Compressed air connection, technical [number] 1 Required compressed air, technical, in kPa 600-800 Drying unit Electricity Drying unit heating type Electricity Air throughput in m³/h 250 Time setting in 1-minute increments 1-240 HEPA filter class H13 HEPA filter filtration efficiency (DIN EN 1822) in % 99.95 Electric heater rating in kW 8.00 Dimensions and weight 8.00 External dimensions, net width in mm 1670 External dimensions, net width in mm 990 External dimensions, net depth in mm 990 External dimensions, net depth in mm 1960 External dimensions, gross height in mm 1960 External dimensions, gross width in mm 1000 External dimensions, gross width in mm 1130 Wash cabinet, height in mm 675 Wash cabinet, width in mm 800 Rack height above floor in mm 800 Rack height above floor in mm 850 Net weight in kg	Drain pump (optional)	•
Required compressed air, technical, in kPa Drying unit Drying unit heating type Electricity Air throughput in m³/h Time setting in 1-minute increments HEPA filter class H13 HEPA filter filtration efficiency (DIN EN 1822) in % Electric heater rating in kW Dimensions and weight External dimensions, net height in mm External dimensions, net depth in mm External dimensions, net depth in mm External dimensions incl. plinth/floor tray and top-box panelling, height in mm External dimensions, gross height in mm External dimensions, gross width in mm External dimensions, gross depth in mm 800 External dimensions, gross depth in mm 850 Wash cabinet, width in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Peatures 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps for liquid media Additional integrated dispenser pumps for liquid media Additional integrated dispenser pumps of liquid media Combi tank Electricity 1-240 Electricity 8-00 Electrictex 1-240 H13 H13 H13 H143 H14 H14	Compressed air connection	
Drying unit Electricity Air throughput in m³/h 250 Time setting in 1-minute increments 1-240 HEPA filter class H113 HEPA filter filtration efficiency (DIN EN 1822) in % 99.95 Electric heater rating in kW 8.00 Dimensions and weight 8.00 External dimensions, net height in mm 1670 External dimensions, net width in mm 990 External dimensions, net depth in mm 990 External dimensions, gross height in mm 1960 External dimensions, gross height in mm 1000 External dimensions, gross width in mm 1130 External dimensions, gross depth in mm 1130 External dimensions, gross depth in mm 1130 Wash cabinet, height in mm 650 Wash cabinet, width in mm 650 Wash cabinet, depth in mm 800 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² 8000 Emissions data 8000 <td< td=""><td>Compressed air connection, technical [number]</td><td>1</td></td<>	Compressed air connection, technical [number]	1
Drying unit heating type Air throughput in m³/h Z50 Time setting in 1-minute increments HEPA filter class HH3 HEPA filter class HH3 HEPA filter filtration efficiency (DIN EN 1822) in % Piemasions and weight External dimensions, net height in mm External dimensions, net width in mm External dimensions, net depth in mm External dimensions, net leight in mm External dimensions, net depth in mm External dimensions, net height in mm External dimensions, gross height in mm External dimensions, gross height in mm External dimensions, gross width in mm External dimensions, gross width in mm External dimensions, gross width in mm External dimensions, gross depth in mm External dimensions, gross depth in mm 1130 Wash cabinet, height in mm 675 Wash cabinet, width in mm 800 Rack height above floor in mm 850 Net weight in kg Gross weight in kg Maximum floor load in N/m² Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps of liquid media	Required compressed air, technical, in kPa	600-800
Air throughput in m³/h Time setting in 1-minute increments HEPA filter class HEPA filter class HEPA filter filtration efficiency (DIN EN 1822) in % Belectric heater rating in kW Dimensions and weight External dimensions, net height in mm External dimensions, net depth in mm External dimensions incl. plinth/floor tray and top-box panelling, height in mm External dimensions, gross height in mm External dimensions, gross height in mm External dimensions, gross width in mm External dimensions, gross depth in mm Babo External dispin th mm Babo Externa	Drying unit	
Air throughput in m³/h Time setting in 1-minute increments HEPA filter class HEPA filter class HEPA filter filtration efficiency (DIN EN 1822) in % Belectric heater rating in kW Dimensions and weight External dimensions, net height in mm External dimensions, net depth in mm External dimensions incl. plinth/floor tray and top-box panelling, height in mm External dimensions, gross height in mm External dimensions, gross height in mm External dimensions, gross width in mm External dimensions, gross depth in mm Babo External dispin th mm Babo Externa	Drying unit heating type	Electricity
Time setting in 1-minute increments HEPA filter class HEPA filter filtration efficiency (DIN EN 1822) in % Bepa filter filtration efficiency (DIN EN 1822) in % Pomensions and weight External dimensions, net height in mm External dimensions, net width in mm External dimensions, net depth in mm External dimensions incl. plinth/floor tray and top-box panelling, height in mm External dimensions, gross height in mm External dimensions, gross width in mm External dimensions, gross width in mm External dimensions, gross depth in mm 850 Wash cabinet, height in mm 850 Wash cabinet, depth in mm 850 Rack height above floor in mm 850 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² 8000 Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)		250
HEPA filter class HEPA filter filtration efficiency (DIN EN 1822) in % Electric heater rating in kW Dimensions and weight External dimensions, net height in mm External dimensions, net width in mm 900 External dimensions incl. plinth/floor tray and top-box panelling, height in mm External dimensions, gross height in mm 1960 External dimensions, gross height in mm External dimensions, gross width in mm 1000 External dimensions, gross depth in mm External dimensions, gross depth in mm 1130 Wash cabinet, height in mm 675 Wash cabinet, width in mm 800 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Peatures 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps 4 Combi tank Steam condenser (optional)	Time setting in 1-minute increments	1-240
Electric heater rating in kW Dimensions and weight External dimensions, net height in mm External dimensions, net width in mm External dimensions, net depth in mm External dimensions, net depth in mm External dimensions incl. plinth/floor tray and top-box panelling, height in mm External dimensions, gross height in mm External dimensions, gross height in mm External dimensions, gross width in mm External dimensions, gross width in mm External dimensions, gross depth in mm 1000 External dimensions, gross depth in mm 1130 Wash cabinet, height in mm 675 Wash cabinet, width in mm 800 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)		H13
Dimensions and weight 1670 External dimensions, net height in mm 1670 External dimensions, net width in mm 900 External dimensions, net depth in mm 990 External dimensions incl. plinth/floor tray and top-box panelling, height in mm 2495 External dimensions, gross height in mm 1960 External dimensions, gross width in mm 1000 External dimensions, gross depth in mm 1130 Wash cabinet, height in mm 675 Wash cabinet, width in mm 800 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² 8000 Emissions data 8000 Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 <65 dB(A) re 20 μPa	HEPA filter filtration efficiency (DIN EN 1822) in %	99.95
Dimensions and weight 1670 External dimensions, net height in mm 1670 External dimensions, net width in mm 900 External dimensions, net depth in mm 990 External dimensions incl. plinth/floor tray and top-box panelling, height in mm 2495 External dimensions, gross height in mm 1960 External dimensions, gross width in mm 1000 External dimensions, gross depth in mm 1130 Wash cabinet, height in mm 675 Wash cabinet, width in mm 800 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² 8000 Emissions data 8000 Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 <65 dB(A) re 20 μPa	Electric heater rating in kW	8.00
External dimensions, net width in mm External dimensions, net depth in mm External dimensions incl. plinth/floor tray and top-box panelling, height in mm External dimensions, gross height in mm External dimensions, gross height in mm External dimensions, gross width in mm External dimensions, gross width in mm External dimensions, gross depth in mm External dimensions, gross width in mm External dimensions, gross height in mm 1960 External dimensions, gross height in mm 1000 External dimensions, gross height in mm 1130 Wash cabinet, depth in mm 800 Rack height above floor in mm 850 Net weight in kg 397 Maximum floor load in N/m² 8000 Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Industrial parts cleaning Peatures 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps 4 Combi tank Steam condenser (optional)		
External dimensions, net depth in mm External dimensions incl. plinth/floor tray and top-box panelling, height in mm External dimensions, gross height in mm External dimensions, gross height in mm External dimensions, gross width in mm External dimensions, gross width in mm External dimensions, gross width in mm External dimensions, gross depth in mm External dimensions, gross width in mm External dimensions, gross depth in mm 1000 External dimensions, gross depth in mm 1130 Wash cabinet, depth in depo 800 External dimensions, gross depth in mm 800 External dimensions, gross width in mm 800 External dimensions, gross depth in mm 800 External dimensions, gress depth in mm 800	External dimensions, net height in mm	1670
External dimensions, net depth in mm External dimensions incl. plinth/floor tray and top-box panelling, height in mm External dimensions, gross height in mm External dimensions, gross height in mm External dimensions, gross width in mm External dimensions, gross width in mm External dimensions, gross width in mm External dimensions, gross depth in mm External dimensions, gross width in mm External dimensions, gross depth in mm 1000 External dimensions, gross depth in mm 1130 Wash cabinet, depth in depo 800 External dimensions, gross depth in mm 800 External dimensions, gross width in mm 800 External dimensions, gross depth in mm 800 External dimensions, gress depth in mm 800		900
External dimensions incl. plinth/floor tray and top-box panelling, height in mm External dimensions, gross height in mm External dimensions, gross width in mm 1960 External dimensions, gross width in mm 1000 External dimensions, gross depth in mm 1130 Wash cabinet, height in mm 675 Wash cabinet, width in mm 680 Wash cabinet, depth in mm 800 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)		990
panelling, height in mm External dimensions, gross height in mm 1960 External dimensions, gross width in mm 1000 External dimensions, gross depth in mm 1130 Wash cabinet, height in mm 675 Wash cabinet, width in mm 650 Wash cabinet, depth in mm 800 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² 8000 Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)		2495
External dimensions, gross width in mm External dimensions, gross depth in mm 1130 Wash cabinet, height in mm 675 Wash cabinet, width in mm 800 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² 8000 Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps Combi tank Steam condenser (optional)	· · · · · · · · · · · · · · · · · · ·	
External dimensions, gross depth in mm Wash cabinet, height in mm Wash cabinet, width in mm 650 Wash cabinet, width in mm 800 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² 8000 Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)	External dimensions, gross height in mm	1960
Wash cabinet, height in mm Wash cabinet, width in mm Boo Wash cabinet, depth in mm Rack height above floor in mm Rack height above floor in mm Rack height in kg Rack height above floor in mm Rack height above floor in me Rack height above floor in mm Rack height above floor in me Rack height above floor above	External dimensions, gross width in mm	1000
Wash cabinet, width in mm Wash cabinet, depth in mm Rack height above floor in mm 850 Net weight in kg Gross weight in kg 386 Gross weight in kg 8000 Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)	External dimensions, gross depth in mm	1130
Wash cabinet, depth in mm 800 Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² 8000 Emissions data \$65 dB(A) re 20 μPa Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 \$65 dB(A) re 20 μPa Programmes • Thermal disinfection • Laboratory glassware reprocessing • Plastics • Oil soiling • Industrial parts cleaning • Features 2 integrated diaphragm dispenser pumps for liquid media • Additional integrated dispenser pumps 4 Combi tank • Steam condenser (optional) •	Wash cabinet, height in mm	675
Rack height above floor in mm 850 Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² 8000 Emissions data \$65 dB(A) re 20 μPa Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 \$65 dB(A) re 20 μPa Programmes • Thermal disinfection • Laboratory glassware reprocessing • Plastics • Oil soiling • Industrial parts cleaning • Features 2 integrated diaphragm dispenser pumps for liquid media • Additional integrated dispenser pumps 4 Combi tank • Steam condenser (optional) •	Wash cabinet, width in mm	650
Net weight in kg 386 Gross weight in kg 397 Maximum floor load in N/m² 8000 Emissions data <65 dB(A) re 20 μPa	Wash cabinet, depth in mm	800
Gross weight in kg Maximum floor load in N/m² Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)	Rack height above floor in mm	850
Maximum floor load in N/m² Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)	Net weight in kg	386
Emissions data Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection • Laboratory glassware reprocessing • Plastics • Oil soiling • Industrial parts cleaning • Features • 2 integrated diaphragm dispenser pumps for liquid media • Additional integrated dispenser pumps 4 Combi tank • Steam condenser (optional) •	Gross weight in kg	397
Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional) <65 dB(A) re 20 µPa • (65 dB(A) re 20 µPa • (75	Maximum floor load in N/m ²	8000
DIN EN ISO 11201 Programmes Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)	Emissions data	
Thermal disinfection Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)		<65 dB(A) re 20 µPa
Laboratory glassware reprocessing Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional)	Programmes	
Plastics Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps 4 Combi tank Steam condenser (optional) •	Thermal disinfection	•
Oil soiling Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps Combi tank Steam condenser (optional) •	Laboratory glassware reprocessing	•
Industrial parts cleaning Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps 4 Combi tank Steam condenser (optional) •	Plastics	•
Features 2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps 4 Combi tank Steam condenser (optional) •	Oil soiling	•
2 integrated diaphragm dispenser pumps for liquid media Additional integrated dispenser pumps 4 Combi tank Steam condenser (optional) •	Industrial parts cleaning	•
Additional integrated dispenser pumps 4 Combi tank • Steam condenser (optional) •	Features	
Combi tank Steam condenser (optional) •	2 integrated diaphragm dispenser pumps for liquid media	•
Steam condenser (optional) •	Additional integrated dispenser pumps	4
		•
Volume flow control •	Steam condenser (optional)	•
	Volume flow control	•
Spray arm monitoring •	Spray arm monitoring	•
Conductivity monitoring •	Conductivity monitoring	•
Interface for process documentation •		•
Multi-component filter system •		•
Micro-fine filter •	Micro-fine filter	•
Load carrier – direct coupling •	Load carrier - direct coupling	•
Integrated hot air drying (optional)		•
Integrated printer for process documentation (optional)	Integrated printer for process documentation (optional)	•



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- single door with combi tank, 900 mm wide, 351 II usable capacity.



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EasyLoad	•
Setting options for process chemicals (4 x 5 l or 2 x 5 l + 1 x 10 l)	•
Wash cabinet made from high-quality stainless steel (1.4404/316L)	•
Plinth, on wheels (optional)	•
Drain water cooling (optional)	•
Multi-coloured chamber lighting	•
Modular basket design	•
Option of using existing load carriers	•
Connection options	
Ethernet interface	•
External dispensing modules	•
USB interface	•
Central dispensing	•
Peak-load negotiation/energy management	•
Standards, test certificates and symbols	
CE	•
VDE (electrical safety)	•
EN 61010-2-040	•
Machinery Directive 2006/42/EC	•