

PLW 8616 [EL/S]

Lab washer, steam/electrically heated

- double door, 900 mm wide, 351 l usable capacity.



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

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

EAN: 4002516456629 / Material number: 11842810 /

Old Material Number: 62861603EXP

Construction type and version

Construction type	Freestanding, passthrough, 2 glass sliding doors
Type of heating	Steam/Electric convertible
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 l/min	400
Additional circulation pump for load carrier – direct coupling, Qmax in l/min	600
Variable-speed pump	•
Wash cabinet usable capacity in l	351
Tested operating hours	15000
Service life in wash cycles	20000

Control system

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

Possible voltage variant 1

Electrical connection	3N AC 400V 50HZ
Total rated load in kW	10,00
Fuse rating in A	20

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Water connection/drainage	
Cold water [number]	2
Hot water [number]	1
DI water [number]	2
Required flow pressure in kPa	200-1000
Maximum water hardness (cold water/hot water) in mmol/l	0,71
Drain valve [DN]	50
Drain pump (optional)	•
Compressed air connection	
Compressed air connection, technical [number]	1
Required compressed air, technical, in kPa	600-800
Drying unit	
Drying unit heating type	Electricity
Air throughput in m ³ /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	
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	650
Wash cabinet, depth in mm	800
Rack height above floor in mm	850
Net weight in kg	397
Gross weight in kg	408
Maximum floor load in N/m ²	8000
Emissions data	
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
Steam condenser (optional)	•
Volume flow control	•
Spray arm monitoring	•

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Conductivity monitoring	•
Interface for process documentation	•
Multi-component filter system	•
Micro-fine filter	•
Load carrier – direct coupling	•
Integrated hot air drying (optional)	•
Integrated printer for process documentation (optional)	•
Heater elements outside wash cabinet	•
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 (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	•