PLW 8616 [EL/S CT]
Lab washer, steam/electric heating
– double door with combi tank, 35 1/2" (900 mm) wide, 12.395 (351) ft³ (l) usable capacity.



- Performance/cycle, e.g., 216 laboratory bottles, 588 vials, or 294 pipettes
- 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 & SimpleLoad system
- Efficient – high pump performance 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 program compared to Lab Universal program for PG 8527

EAN: 4002516148333 / Material number: 11179770 /
Old Material Number: 62861604USA

Construction type and design	
Model	Freestanding appliance, throughfeed, 2 glass lifting doors
Range	PerformanceLine
Heating type	Steam/Electric convertible
Front/back	Stainless Steel
Side panels	Stainless steel
Single/multiple installations	•
Loading via mobile units	•
Electric door lock	•
Buzzer, acoustic signal at end of program	•
Easy-to-service construction	•
Application	
Suitable for laboratories	•
Suitable for industrial applications	•
Capacity	
Narrow-neck glassware per cycle [number]	216
Test tubes per cycle [number]	588
Laboratory flasks per cycle [number]	216
Pipettes per cycle [number]	294
Maximum load in lb (kg)	150
Performance data	
Circulation pump, Qmax in gal/min (l/min)	105.68 (400)
Additional circulation pump for load carrier – direct coupling, Qmax in gal/min (l/min)	600
Variable-speed pump	•
Usable wash cabinet volume in L	12.39 (351)
Tested operating hours	15000
Service life in wash cycles	20000
Control	
Control system	PST 20
Program selection	Full-touch colour display
Programmability	programmable
Programs [number]	30
Free program slots [number]	170
Automatic program restart	•
Time-left display	•
Program-cycle display	•
Status indication via chamber lighting	•
Choice of display languages	•
Standard electrical connection	
Electrical connection	3 AC 208V 60HZ
Heater rating in kW	18.00
Total rated load in kW	21.00
Fuse rating in A	60
Possible voltage variant 1	
Electrical connection	3 AC 208V 60HZ

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Total rated load in kW	10.00
Fuse rating in A	30
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 gpg (mmol/l)	4.15 (0.71)
Drain valve [DN]	50
Drain pump (optional)	•
Compressed air connection	
Compressed air connection, technical [number]	1
Required air pressure, technical, in kPa	600 - 800
Drying unit	
Drying unit heating type	Electricity
Air throughput in m³/h	147.15 (250)
Temperature settings in 1° steps	60-115
Time settings in 1-minute steps	1 - 240
HEPA-filter class	H13
HEPA-filter filtration efficiency (in accordance with DIN EN 1822) in %	99.95
HEPA-filter service life in h	1000
Electric heater rating in kW	8.00
Dimensions and weight	
External dimensions, net height in inches	65 3/4 (1670) in (mm)
External dimensions, net width in inches	35 7/16 (900) in (mm)
External dimensions, net depth in inches	39 (990) in (mm)
External dimensions incl. toe-kick/drip pan and top casing, height in inches	98 1/4 (2495)
External dimensions, gross height in inches	77 3/16 (1960)
External dimensions, gross width in inches	39 3/8 (1000)
External dimensions, gross depth in inches	44 1/2 (1130)
Wash cabinet, height in inches	26 5/8 (675)
Wash cabinet, width in inches	25 5/8 (650)
Wash cabinet, depth in inches	31 1/2 (800)
In-feed height above floor in inches	33 1/2 (850)
Net weight in lbs	904 (410)
Gross weight in lbs	929 (421)
Maximum floor load in N/m²	8000
Emission values	
Sound pressure LpA in cleaning and drying according to DIN EN ISO 11201	≤65 dB(A) re 20 µPa
Programs	
Thermal disinfection	•
Laboratory-glassware reprocessing	•
Plastics	•
Oil soiling	•
Industrial parts cleaning	•

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Features	
2 integrated diaphragm dispenser pumps for liquid media	•
Additional integrated dispenser pumps	4
Combi tank	•
Steam condenser (optional)	•
Volume-flow control	•
Spray arm monitoring	•
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)	•
Heating elements outside the wash cabinet	•
SimpleLoad	•
Setting options for process chemicals (4 x 5 l or 2 x 5 l + 1 x 10 l)	•
Wash cabinet made of high-quality stainless steel (1.4404/316L)	•
Stand (optional)	•
Drain-water cooling (optional)	•
Multicolored chamber lighting	•
Modular basket design	•
Option of using existing load carriers	•
Connection options	
Ethernet interface	•
External dispenser 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	•