

PLW 8683 CD [OIL DC5 CM]

Laboratory dishwasher

with liquid dispensing, DryPlus, conductivity monitoring & oil seals.



- Performance/cycle, e.g. 128laboratory bottles
- Flexible and simple – modular load carriers & EasyLoad system
- Maximum user convenience with M Touch Flex full-touch colour display
- Safety through monitoring – wash pressure and spray arm monitoring
- Efficient hot air drying – DryPlus
- Connectivity as standard via WiFi

EAN: 4002516884422 / Material number: 12799700 /
Old Material Number: 6286C324GB

Construction type and version

Construction type	Freestanding, can be built-under, wide, with lid
Range	ExpertLine
Control panel colour	Black
Casing	Stainless steel
Can be built-under	•
Lid	Stainless Steel
Number of wash levels	2
AutoClose – automatic door lock	•
Buzzer, acoustic signal at end of programme	•
Service-friendly design	•

Application

Suitable for laboratories	•
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Capacity

Narrow-necked glassware per cycle [number]	64
Test tubes per cycle [number]	196
Vials per cycle [number]	196
Laboratory flasks per cycle [number]	128
Pipettes per cycle [number]	98

Performance data

Circulation pump, Qmax in l/min	500
Wash cabinet usable capacity in l	145.00
Tested operating hours	15000
Maximum final rinse temperature in °C	93

Control system

Control type	M Touch Flex
Max. delay start in h	24
Programmability	programmable
Programmes [number]	20
Free programme positions [number]	10
Automatic programme restart	•
Time left display	•
Programme sequence display	•
Selectable display languages	•

Standard electrical connection

Electrical connection	AC 230V 50HZ
Electric heater rating in kW	5.50
Total rated load in kW	6.30
Fuse rating in A	30-32
Length of mains connection cable in m	1.90

Possible voltage variant 1

Electrical connection	AC 230V 50HZ
Electric heater rating in kW	2.50
Total rated load in kW	3.30
Fuse rating in A	15-16

Water connection/drainage

Cold water [number]	1
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Hot water [number]	1
Required flow pressure in kPa	200-1000
DI water [number]	1
Maximum delivery head for drain pump in cm	100
Maximum water hardness (cold water/hot water) in mmol/l	10.70
VEP feed pump for demineralised water (option)	•
Drain pump [DN]	22
Integrated water softener	•
Water protection system	Waterproof system

Dimensions and weight

External dimensions, net height in mm	820
External dimensions, net width in mm	898
External dimensions, net depth in mm	695
Wash cabinet, usable height in mm	520
Wash cabinet, usable width in mm	530
Net weight in kg	98

Drying unit

Integrated drying unit	•
Fan in kW	0.30
Heater element in kW	2.20
Air throughput in m³/h	60
Time setting in 1-minute increments	0-120
HEPA filter class	H14
HEPA filter filtration efficiency (in accordance with DIN EN 1822) in %	99.99
HEPA filter service life in h	300

Dimensions and weight

External dimensions, gross height in mm	1095
External dimensions, gross width in mm	1200
External dimensions, gross depth in mm	800
Wash cabinet, depth of upper basket in mm	474
Wash cabinet, depth of lower basket in mm	520
Gross weight in kg	112
Maximum floor load in N/m²	1220

Emissions data

Emission sound pressure level in the workplace	<70 dB(A) re 20 µPa
Heat dissipation into the room in MJ/h	5.40

Programmes

Standard	•
Intensive	•

Features

Additional integrated dispenser pumps (optional)	•
Volume flow control	•
Interface for process documentation (optional)	•
Customer Service interface	•
Extensive components (option)	•

Programmes

Extra short	•
Universal	•

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Inorganic	•
Organic	•
Agar	•
Injector Plus	•
Pipettes	•
Plastics	•
Oil	•
Hygiene 93/10	•
Pasteurising	•
Cold water rinse	•
Demineralised water rinse	•

Features

1 dispenser pump for liquid cleaning agent	•
1 dispenser pump for neutralising agent	•
Additional integrated dispensing pump 5–10 l (optional)	•
Suction lance for media canisters 10–20 l (optional)	•
Convenient suction lance DC5	•
Steam condenser	•
Spray pressure monitoring	•
Spray arm monitoring	•
Conductivity monitoring	•
How-to sequences	•
Chamber lighting	•
Multi-component filter system	•
Variable-speed heater pump	•
Load carrier – direct coupling	•
DryPlus	•
In-door salt container	•
Setting options for process chemicals (3 x 5 l / 2 x 10 l)	•
Wash cabinet seamlessly welded using laser technology	•
Heater elements outside wash cabinet	•
EasyLoad	•
Oil and grease-resistant seals	•
Wash cabinet made from high-quality stainless steel (1.4301/304)	•

Connection options

WiFi	•
Ethernet interface (optional)	•

Standards, test certificates and symbols

IP safety class according to EN 60529: IP 21	•
EN 61010-2-040	•
KIWA certificate for water safety	•

Standards, test certificates and symbols

EN 61010-1	•
Regulation 4 compliant	•



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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