

GW6090



## TECHNICAL DATA SHEET



### GW6090 TECHNICAL FEATURES

Electronic control	3 microprocessors +1 (optional communication card)
Standard programs stored	20
Settable programs	10 (expandable to 50)
Backlit graphic LCD display	128 x 64 pixels
Clock and calendar	yes
Reprogrammable phases	10
Phase parameters	type of water, detergent quantity, target temperature, extension time in minutes, drying temperature and time
Tank internal temperature	5°C to 95° C
Accuracy	0.1°C
Temperature sensors in tank	1 PT 1000 CLASS B IEC 60751
Time display	5 digits
Feed pumps (50 ml/min)	4
Detergent level sensor	optional
Safety lock	yes, with electromagnetic release
Safety devices	safety thermostats, door interlock
Alarm display	80
Troubleshooting menu	yes
Program editing	yes (via password)
Password	4 levels
Languages	4: Italian, English, French, German (on request: Spanish, Polish, Swedish, Russian, Japanese)
<b>AUXILIARY FUNCTIONS</b>	
External sensor duct	optional
Waste water separation solenoid valve control	yes
RS232 serial port for PC connection	yes
RS232 serial port for printer	yes
USB serial port	optional
LAN connection	optional
Water quality check	optional
Cycle storage	yes
Cycle file download	yes
<b>DRYING SYSTEM</b>	
Drying fan	0.8 kW
Drying heating element	4 kW
Prefilter class C 98%	yes
HEPA filter Class S 99.999%	yes
Drying air temperature	75°C-100°C
<b>WATER SUPPLY (PRESSURE 1.5-5 BAR)</b>	
Cold/hot water hardness	max 42° F
Demineralised water conductivity	<20µS/cm
Demineralised water pump	optional
Water softener incorporated	no
Recirculation pump	2 pumps of 400 l/min
<b>WATER HEATING</b>	
Electrical	18.5 kW max
Steam	optional (GW6090DSV version)
Water pre-heating via boiler	optional
<b>DIMENSIONS LxDxH mm</b>	
Outside	2035x801x902 (GW6090DS and GW6090DSV versions) and 1835x801x902 (GW6090 version)
Inside	670x650x835
Net weight (kg)	282
<b>STEEL</b>	
Wash tank	AISI 316L
Exterior covering	AISI 304
<b>ELECTRICAL POWER SUPPLY</b>	
Max. voltage/power	3/N/PE 400V ~ 50Hz 18.5 kW
<b>NOISE</b>	
	50 dB
<b>CONFORMITY</b>	
	2006/95/EEC, 93/68/EEC, 2004/108/EEC EN61010-1, EN61010-2-040, EN61326:1997+A1:1998
<b>AVAILABLE VERSIONS</b>	
	GW6090, GW6090DS, GW6090DSV



## TECHNICAL FEATURES

### INSTRUMENT WASHER DATA

VERSIONS *		GW6090	
Appliance installation class (CEI 62.5)	II		
Casing protection (IP)	34		
Stabilised power supply	±10%		
Ambient temperature	35		
max. height (personalisation)	1000 m		
humidity	50% max		
pressure	atmospheric		
internal dimensions [mm]	988x690x674	460 litres	
dimensions of wash tops [mm]	620x620		
external dimensions [mm] LxHxD	900x2020x800		
external dimensions with packaging	990x2015x990		
external dimensions of built-in version	1.2 mm		
thickness of chamber protection	840		
height of loading level from floor	1780		
overall dimensions of machine when open	980 mm, 90°		
dimensions of door and angle of aperture	thermo-acoustic		
chamber lagging	AISI 316L		
chamber steel type	AISI 304		
door steel type	AISI 304		
casing steel type	50dB		
noise	yes		
CE mark	73/23, 93/68, 2004/108		
European directives (EEC)	harmonised applicable		
standards	no		
IMQ quality mark	295 (net)	335 (gross)	
weight GW3060 [Kg]	peristaltic pumps		
type of detergent dispensers	5		
number and use of dispensers	norpren, viton		
type of peristaltic pump hoses	yes		
detergent unit	5		
n° of 2 litre container stations			
recirculation pump	2x400 litres	2x550W	
drain pumps	18 l/min	80W	
description of hydraulic system	water recirculation		
description of drying system	forced air		
trolley connection system	spring		

### DRYING

GW4090 (forced air)			
filters	prefilter class C 98%	HEPA filter class S 99.999%	duration: 800 cycles
motor type	brushes		
air change index [m3/h]	2x100 m3/h		
activation system	software		
settable operating time	0-1h		
settable			
settable temperature interval	60-110		
safety device	yes		

### CONSUMPTION

GW4090	
Electrical	kW
total average power draw	7
average drying fan draw	100 W
heating assembly power draw	2 kW
total drying power draw	2.1 kW
water heater power draw	6
power draw for each cycle	depends on cycle
washing pump power draw	390 W
peristaltic pump power draw	10W

GW6090		detergent	neutraliser	disinfectant	lubricant [ml]	neutral detergent [ml]
[ml]	[ml]	[ml]				
consumption per dose		200	120	400	8	240

### DETERGENT DISPENSING SYSTEM STANDARD FITTINGS

GW6090	
Powder dispenser	Not present
Pump P1 alkaline detergent	1
Pump P2 acid neutraliser	1
Pump P3 NaOH or auxiliary additive	1
Pump P4 defoamer or auxiliary additive	1

\* Unless specified, the characteristics are present on all versions

## TECHNICAL FEATURES

### ELECTRONIC VERSIONS \*

GW6090				
Board type	microprocessor			
memory	cycle registration			
n° programmes	20			
n° freely settable programmes	10			
n° phases per programme	max. 10			
settable values	time time for washing and drying	temperature objective for washing and drying	quantity and type of detergent	languages
display	LCD backlit, 128x64 pixels			
display indications	execution parameters			
control panel	diaphragm keyboard			
functions	controls, setting and diagnostics			

### DATA COMMUNICATION

GW6090	
printer	serial
position	front
data printing	execution parameters
RS232 port	yes
USB port	yes
LAN port	optional
software	wdtrace, wdtrace light
acoustic signals	yes can be disabled
data download	
software upgrade	yes

### WATER SOFTENER

GW6090	
description	
type of salt to use	
max. temp. of supply water	
resin type	
number of regenerations allowed per cycle	
hardness reduction capacity	

### CONDENSER

GW6090	
type	
start-up temperature	
feed system	
drain system	

### CONTROLS / SAFETY DEVICES

GW6090	
door lock	yes
dual temperature sensor	yes
probe duct	optional
password	yes
alarms/warnings/diagnostics	yes
detergent dispensing controls	yes
water supply controls	yes
stopping moving parts	yes

### TIMES

GW6090		
washing for each phase	according to programme	see table programme
drying	according to programme	see table programme
for each cycle	according to programme	see table programme

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