INSTRUCTIONS FOR USE

Washer disinfector
Getinge 8666/8668

Mfg. no. SEV0320078-
5011450-00

CE
0413

Contents

Safety regulations

This machine is designed with a number of built-in safety devices. To avoid injury, it is very important that these safety devices are not bypassed and thus disabled.

> ⚠ **The equipment must be used in accordance with the safety instructions below.**
> **If in doubt, contact a representative of the reseller without delay.**

Important

- Read the instructions thoroughly before use

- The equipment must only be used by personnel who know about it and are trained to use it. Personnel must also receive regular training on this equipment.

- take care when handling the chemical agent used in the machine. Read the details on the container or contact the manufacturer:

  - if agent comes into contact with the operator's eyes or skin or if the vapours are breathed in, etc.

  - about storing the agent and disposing of empty containers.

- Take care, because the machine uses hot water and possibly steam.

- Installation and service work must be done by personnel trained for this machine.

- Never bypass the door switch of the machine.

- Leakage in the system, due to a worn door seal for example, must be repaired without delay.

- The electric power is cut off before the machine cabinet is opened. (The machine cabinet contains electrical components).

- Make sure that there is always detergent in the bottles. This is important both for the operation of the machine and for keeping the washing chamber free from discolorations.

- The machine must be kept clean if it is to work properly.

- Do not wash down or hose down the machine with water.

Product liability

- Modifications to the equipment made without the approval of the manufacturer, or incorrect use, invalidate the manufacturer's product liability.

Symbols on the machine

⚠ Warning, see instructions for use.

⚠ Warning, hot surface.

Attention symbols

Some of the warnings, instructions and advice in this manual are so important that we used the following special symbols to draw attention to them. The symbols used are as follows:

> ⚠ **This symbol indicates a warning in the text of the manual. The nature of what the warning relates to is such that it may result in more or less severe injury and in certain cases mortal danger.**
>
> **It also highlights warnings to avoid damage to equipment.**

General

The machine is a fully-automatic washer disinfector for cleaning and disinfecting goods in hospitals, laboratories and the pharmaceutical industry.

The machine has two washing vanes and two dockings and can be equipped with several different accessories for different cleaning requirements. These accessories are presented in a special accessories catalogue.

There are several possible ways of installing and equipping the machine depending on its field of application:

• Heating by electricity or steam.

• Connection of distilled or de-ionised water.

• Electrically-heated booster tank for the water for the final rinse.

• Single or double door.

• Extra dosing pumps which allow chemical disinfection of heat-sensitive goods.

• Infeeder/outfeeder

• Automatic program selection (basket indication)

• Audible signal on process complete, fault code, etc.

The Decomat 8666 has been tested and approved in accordance with SPRI and BGA recommendations.
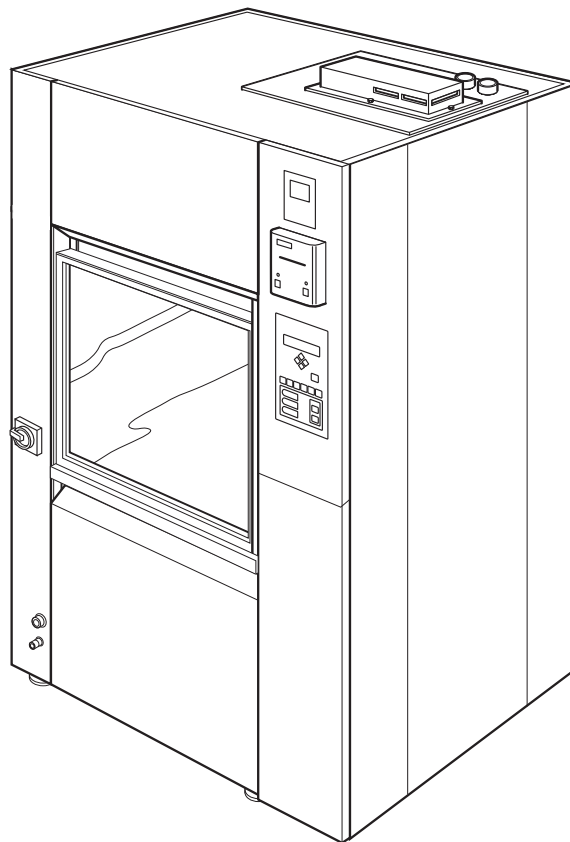
V1454

Programmer

The machine has an electronic controller which can hold up to 10-15 programs. Six of these programs can be chosen with the program selection buttons. To choose other programs, press ⏎. The display now shows SELECT CYCLE. Press ⏎ again and choose a program with ⬆ and ⬇.

The machine comes with a number of standard programs in the programmer (see the separate program sheet). Contact the manufacturer for customised programs.

> ⚠ **Programming may only be done by authorised personne**

Door function

The Decomat A 8666 can be fitted with a single door or double doors. All doors are of the vertical sliding type.

The doors can be motorised for automatic opening and closing. The doors have efficient anti-crush protection.

Machines with double doors have a system of interlocks to ensure that only one door can be opened at a time. This means that the clean-side door must be closed and locked by pressing the 1/0 button before the soiled-side door can be opened.

When ◇ is pressed, the door is locked and a yellow lamp flashes (process running) for about 10 seconds. If ◇ is pressed again during this "cancel time", the soiled-side door is unlocked and the door can be opened manually or alternatively it opens automatically.

In standby mode the door can be opened and closed by pressing ⊠ 5 sec.

Clean side   Soiled side
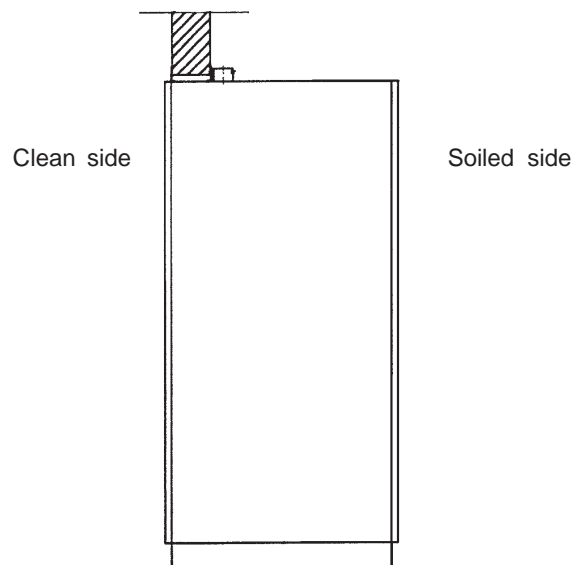
V398

Manually-operated door

When the door is closed manually and ⟨◇⟩ is pressed, the door is clocked automatically, the yellow lamp flashes and the program starts.

When the program is complete, a green lamp lights up on both sides (if there are double doors) and the clean-side door is unlocked. When the door has been opened manually, the green lamp goes out. With double doors, the clean-side door must be closed and locked by pressing the ⟨↑⟩ button before the soiled-side door can be unlocked.

Automatically-operated door

When ⟨◇⟩ is pressed, the door is locked, the yellow lamp flashes and the program starts.

When the program is complete, a green lamp lights up on both sides (if there are double doors) and the clean-side door opens automatically. When the door is fully open the green lamp goes out on both sides. With double doors, the clean-side door must be closed and locked by pressing the ⟨↑⟩ button before the soiled-side door opens automatically.

Dosing system

In standard form, the machine has two different dosing systems. One is for alkaline detergent and one is for rinse-aid or acid detergent. The dosing amount can be set individually for each program.

Dosing pumps

Empty container alarm

Holder for detergent/ rinse-aid

V1447
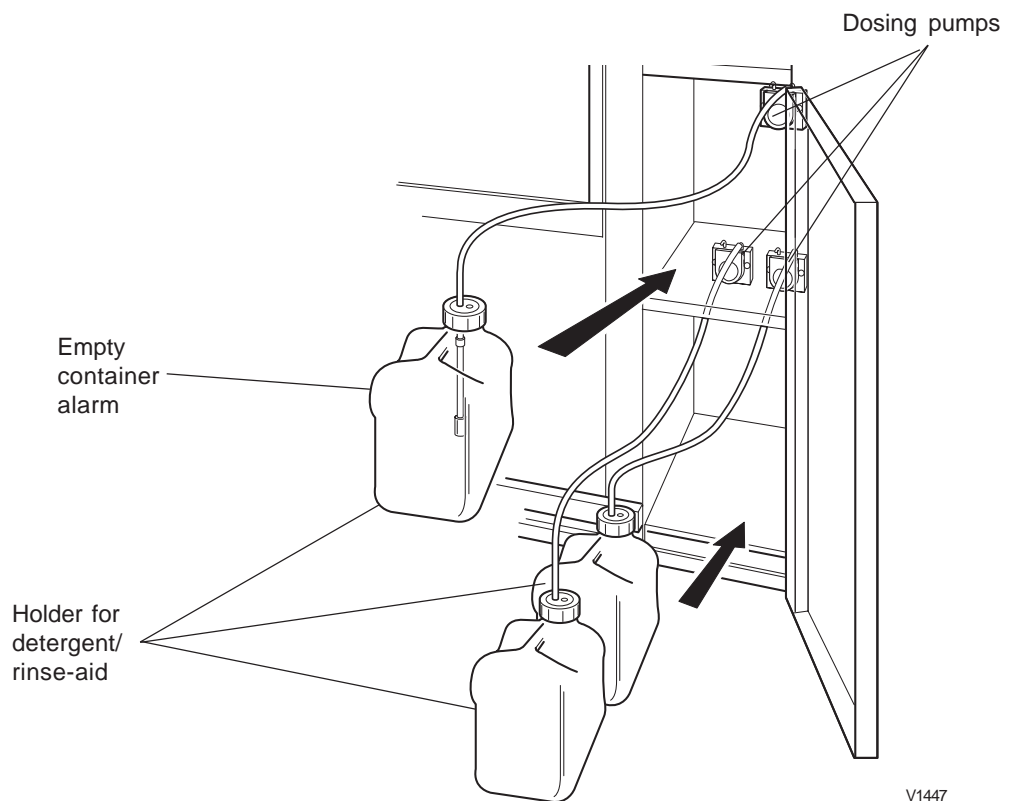
The machine cannot be started until detergent has been dispensed. If the detergent holder is empty "ADD DETERGENT" appears on the display.

A third and a fourth dosing system for heat-sensitive goods or instrument milk, for example, can be installed.

Operating instructions

Program number —
P01 OP-SHORT-D
47.0°C

Before starting: Chosen program
While running: Program phase (eg "Rinsing")

Programming buttons (see "Service instructions")

Program selection buttons —
P1 P2 P3 P4 P5 P6

Yellow: Process running
Green: Process complete
Red: Fault code

Resets alarm
Start wash program

V1363
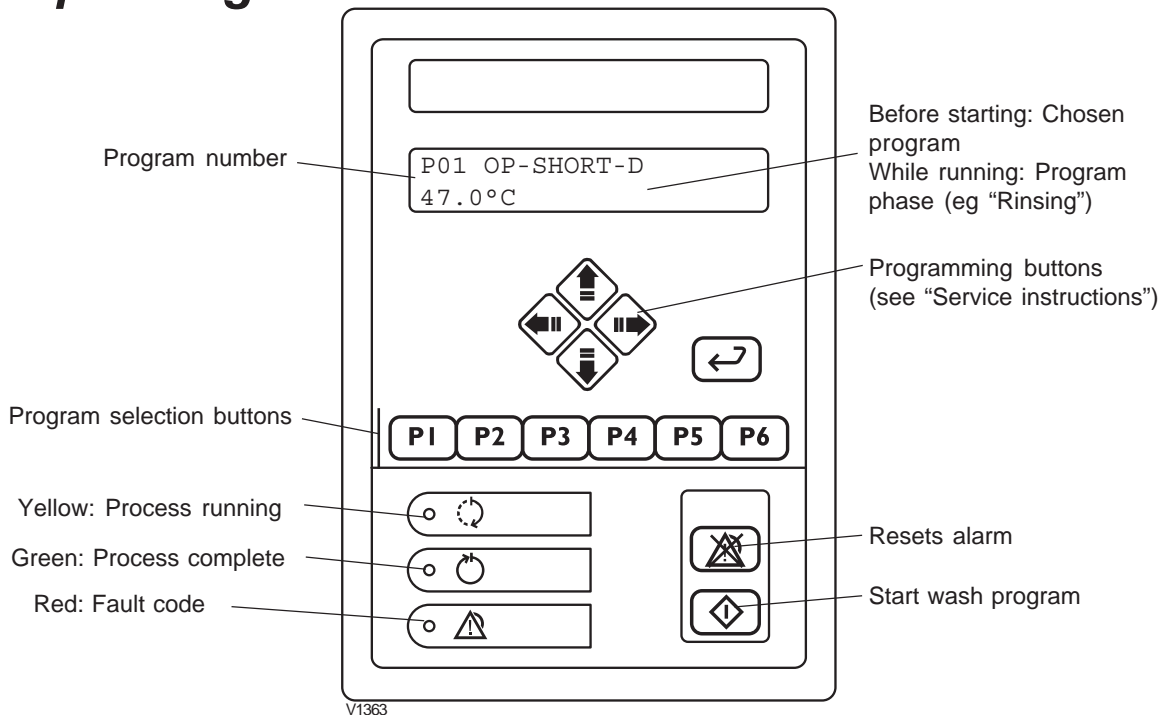
- Load the goods to be washed on to the trolley and run the trolley into the machine. Example showing how to load the trolley are shown on the goods positioning plate.

- Make sure that the washer arms can rotate freely without touching the goods. Close the door.

- Choose a program in one of the following ways:

  - by pressing one of the program selection buttons P1 - P6

  - by pressing ⏎. The display now shows SELECT CYCLE . Press ⏎ again and choose a program with ⬆ and ⬇.

  You can see the machine programs on the separate program sheet.

- Press ◇. While the program is running, a yellow lamp at ↻ is lit and the program phase (eg "Rinse") is shown on the display. Press ⏎ to see the current temperature and press ⏎ again for the remaining time.

- When the program is complete, a green lamp lights up at N and the door is unlocked (with double doors, the clean-side door).

> ⚠ **If the goods have not cooled down after a process, be sure to handle them with care, to avoid burns.**

- Empty the machine (and if the machine has double doors, close the clean-side door).

  - For a machine with automatic door: Press ⟌⌃ to close and lock the clean-side door.

  - For a machine with manual door: First close the door, then press ⟌⌃ to lock the clean-side door.

- If the same program is to be used again, there is no need to select the program again. Simply press ◇ once.

- When ◇ is pressed, a yellow lamp flashes for 10 seconds. During this time, the program can be aborted by pressing ◇ igen.

Note: The display switches to rest mode after 30 minutes and returns automatically when a program is started or selected.

Fault indications

Fault message or fault code

```
Fill  detergent  1
```

P1   P2   P3   P4   P5   P6

Red lamp: Fault code
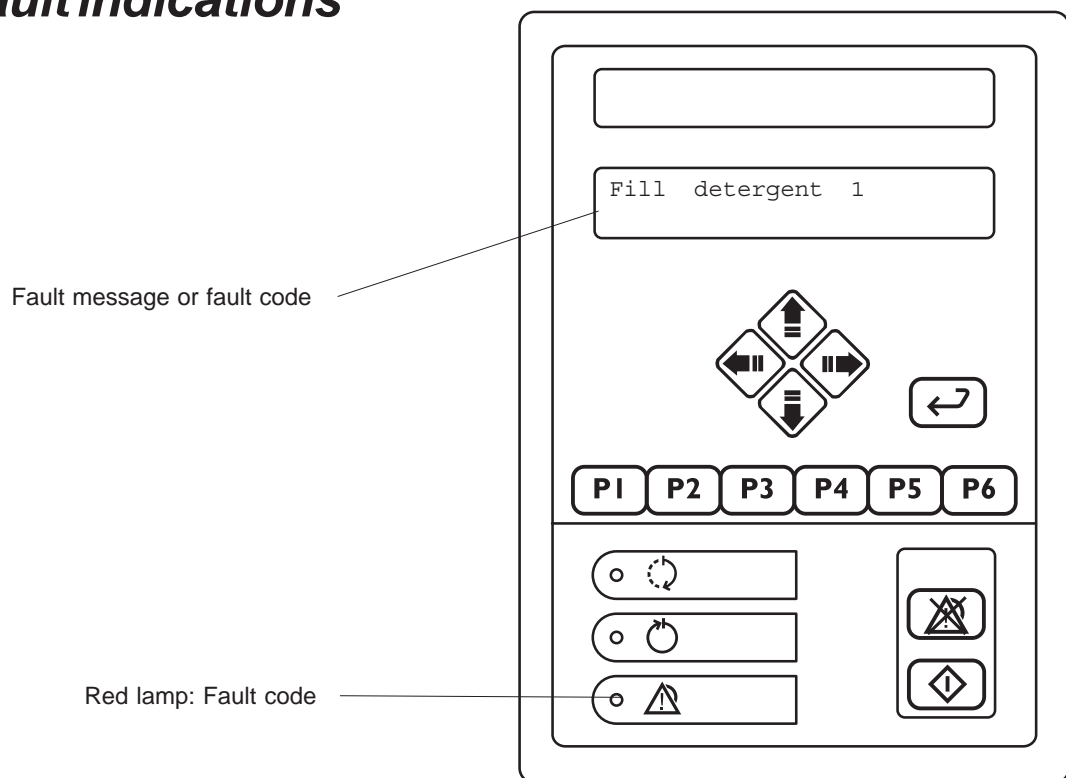
V1363

A red lamp lights up

If the red lamp at ⚠ lights up, the process has stopped because of a process fault. Call service personnel.

Handling alarm

```
Add detergent 1
```

Operation message appear on the display in plain text. The machine cannot be started until the fault has been put right.

Add detergent 1	Empty container alarm 3. If detergent 3 is finished, an operation code is generated. The alarm is reset automatically when detergent is added.
Add detergent 2	Empty container alarm 3. If detergent 3 is finished, an operation code is generated. The alarm is reset automatically when detergent is added.
Add detergent 3 *(Option)*	Empty container alarm 3. If detergent 3 is finished, an operation code is generated. The alarm is reset automatically when detergent is added.
Add detergent 4 *(Option)*	Empty container alarm 3. If detergent 3 is finished, an operation code is generated. The alarm is reset automatically when detergent is added.

Note: 7When the operation message "Add detergent 1-4" appears, there is always enough detergent for one run.

9908

Fault codes

```
F01
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Fault codes indicate that a serious fault has occurred in the washing process. The fault must be put right by an authorised service technician.

The following fault codes may occur:

Fault code	Description of fault
F00	Power failure
F01	Motor cutout has tripped.
F02	Water filling takes more than 10 minutes.
F03	Draining takes longer than 5 minutes or there is water remaining in the washing chamber at the end of the draining phase.
F04	Water leakage in the drying unit.
F05	Soiled-side door does not lock within 10 seconds of program start or the door is opened while a program is running.
F06	Soiled-side door does not unlock within 10 seconds of the end of a program.
F07	Soiled-side door does not close within 20 seconds of program start or the door is opened while a program is running.
F08	Soiled-side door does not open within 20 seconds of the end of a program.
F09	Soiled-side door does not lock within 10 seconds of program start or the door is opened while a program is running.
F10	Soiled-side door does not unlock within 10 seconds of the end of a program.
F11	Soiled-side door does not close within 20 seconds of program start or the door is opened while a program is running.
F12	Soiled-side door does not open within 20 seconds of the end of a program.
F15	Not enough detergent 1 dosed.
F16	Not enough detergent 2 dosed.
F19	Not enough detergent 3 dosed.
F20	Not enough detergent 4 dosed.
F21	Slow filling of booster tank.

| Fault code	Description of fault
F23	High conductivity.
F24	Low pressure in drying unit.
F25	High pressure in drying unit.
F26	Low pressure from circulation pump.
F27	High pressure from circulation pump.
F28	Low temperature in drying unit.
F29	Incorrect temperature in booster tank.
F30	Incorrect temperature in washing chamber.
F31	Incorrect temperature in washing chamber.
F32	Incorrect temperature in drying unit.
F33	Incorrect temperature in washing chamber.
F34	Incorrect temperature in washing chamber.
F35	Incorrect temperature in booster tank.

Acknowledgement of fault code

Acknowledge the fault code by:

- pressing ⌦. The alarm signal stops. The machine is still locked but the current process has been aborted.

- correct the fault or open the door to gain access to the goods. Pressing ◈ drains liquid from machine and the soiled side door goes down.

NOTE:
The goods in the machine are not clean. Start a new process.

Inspection

Spray wing

Coarse strainer

V773
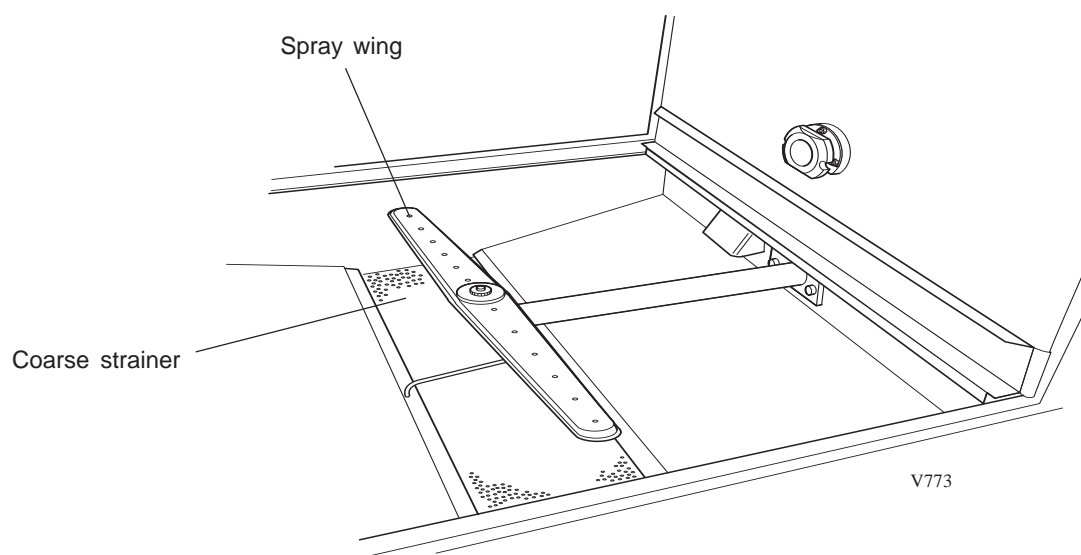
Daily

- Check that there are no objects in the bottom of the washing chamber.

- Check that the washing arms can rotate freely. Check that the holes in the washing arms are not blocked.

  If the arms need cleaning, remove them by unscrewing the central nut. Check that the arms can rotate freely when re-installed.

- Remove and clean the strainer in the bottom of the washing chamber.

- Open the detergent door and check that there is detergent/rinse-aid in the containers.

- Check that the trolley docks properly with the water connections.

If necessary

Washing chamber

Keep the washing chamber free of limescale deposits. Remove any remaining deposits as follows:

- Open the door and does 200 ml Lime-Away descaler (sold by Henkel) or NEODISHER BU (sold by Dr. Weigert) into the wash chamber.

- Close the door and run the descaling program.

  NOTE: Do not have any goods in the machine with this program. It is only for descaling the machine and insert.

The outside

The front and side walls can be cleaned and disinfected with an alcohol-based cleaning agent, medical spirit or an ordinary cleaner. the control panel is cleaned in the same way.

Remove stains with an ordinary stainless steel cleaner.

Printing out a program

An example of a program printout is shown below. In the example the program
P02 OP-D, programmed on program selection button ⌈ P2 ⌋   is used.

```
PROGRAM:P2 OP-D
DATE:13/04/2004
PROCESS START:13:44:46
MACHINE NAME:S-8666
MACHINE NO:1
CYCLE COUNTER:1


PARAMETER
WASH DOS TEMP    35.0C
WASH DOS 1          00:01:00
WASH TEMP.          60.0C
WASH TIME           00:03:00
FINAL R DOS TEMP 80.0C
FINAL R DOS 3       00:00:21
DISINF TIME         00:01:00
DISINF TEMP         90.0C
DRYING TEMP9        0.0C
DRYING TIME         00:18:00


SIGNALS
A107                TEMP INDEP. CHAMB
— — — — — — — — — — — — —

PROGTIME            A107
— — — — — — — — — — — — —

PH1-START
00:00:00            30.8
— — — — — — — — — — — — —

PH2-DRAINING 10 s
00:00:00            31.2
— — — — — — — — — — — — —

PH220-PRE RINSE CW
00:00:10            31.0
— — — — — — — — — — — — —

PH20-DRAINING 40 s
00:02:42            16.2
— — — — — — — — — — — — —

PH25-WASHING
00:03:51            18.1
00:05:52            35.2
DOS START

00:06:53            39.9
DOS.STOP

00:11:17            60.0
00:12:17            608
00:13:17            61.9
00:14:17            61.5
— — — — — — — — — — — — —
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```
PH20-DRAINING 40 s
00:14:18            61.5
— — — — — — — — — — — — —

PH330-RINSE 1
00:15:29            61.5
— — — — — — — — — — — — —

PH20-DRAINING 40 s
00:17:39            55.1
— — — — — — — — — — — — —

PH360-RINSE 2
00:18:46            55.5
— — — — — — — — — — — — —

PH20-DRAINING 40 s
00:20:55            53.2
— — — — — — — — — — — — —

PH440-FINAL RINSE
00:22:03            53.5
00:27:53            80.1
DOS.START

00:28:15            81.5
DOS.STOP

00:30:26            90.0
— — — — — — — — — — — — —

PH450-DISINFECTION
00:30:27            90.1
00:31:26            92.3
— — — — — — — — — — — — —

PH20-DRAINING 40 s
00:31:28            92.3
— — — — — — — — — — — — —

PH900-DRYING
00:32:36            91.7
00:51:27            80.8
— — — — — — — — — — — — —

PH1000-ENDING
00:52:43            81.1
— — — — — — — — — — — — —

SIGNATURE: ........
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Program groups are described below. See the attached program sheet for more information about programs for this machine

Hospital A$_0$ 600 (90 °C - 1 min)

This program sheet applies to 5011294-13, -14.

Programs	Program selection button/ Program number	Type of goods
INST./POLY	P1	Instruments, circulation goods
INST./POLY (ENZ)	P2	Instruments, circulation goods
AN/MIS	P3	Anaesthesia tubing, mic-instruments
-	P4	-
-	P5	-
-	P6	-
DRYING	P10 *	Drying.
DESCALING	P11 *	Descaling of chamber, inserts washer arms and washer vanes. Dose 200 ml Lime-Away descaler (sold by Henkel) or NEO-DISHER BU (sold by Dr. Weigert) into the wash chamber. **NOTE: Do not have any goods in the machine with this program. It is only for descaling the machine.**

* For choosing this program, see page 8.

LAB

This program sheet applies to 5011294-18.

Programs	Program selection button/ Program number	Type of goods
LAB-SHORT-D	P1	Slightly dirty labgoods
LAB-D	P2	Labgoods
TEST TUBES-D	P3	Test tubes
LONG-LAB-D	P4	Very dirty labgoods
PIPETTES	P5	Pipettes
-	P6	-
LAB-SHORT	P7 *	Slightly dirty labgoods. Without drying.
LAB	P8 *	Labgoods. Without drying.
TEST TUBES	P9 *	Test tubes. Without drying.
DRYING	P10 *	Drying.
DESCALING	P11 *	Descaling of chamber, inserts washer arms and washer vanes. Dose 200 ml Lime-Away descaler (sold by Henkel) or NEO-DISHER BU (sold by Dr. Weigert) into the wash chamber. **NOTE: Do not have any goods in the machine with this program. It is only for descaling the machine.**

* For choosing this program, see page 8.

Hospital USA A$_0$ 600 (90 °C - 1 min)

This program sheet applies to 5011294-17.

Programs	Program selection button/ Program number	Type of goods
INSTRM-LONG	P1	Very dirty instruments
INSTRM-SHORT	P2	Circulation goods, slightly dirty instruments. Containers.
UTENSILS	P3	Circulation goods
ORTHOPEDIC	P4	Orthopedic instruments
MIS INSTRM	P5	Mis instruments
ANESTESIA	P6	Anaesthesia tubing
CASSETTES	P7 *	Cassettes
LAB-SHORT-D	P8 *	Slightly dirty labgoods
LAB-D	P9 *	Labgoods
TEST TUBES-D	P10 *	Test tubes
DESCALING	P11 *	Descaling of chamber, inserts washer arms and washer vanes. Dose 200 ml Lime-Away descaler (sold by Henkel) or NEODISHER BU (sold by Dr. Weigert) into the wash chamber. **NOTE: Do not have any goods in the machine with this program. It is only for descaling the machine.**

* For choosing this program, see page 8.

NOTE: To choose the recommended agent, see under Detergent in the user instructions.

Detergent

The machine has been tested with Getinge detergent. We recommend that you use Getinge detgerent or detergent from a reputable manufacturer.

Getinge detergent for mechanical washing of:

A - Surgical instruments   **B** - MIS-instruments
C - Anesthesia equipment   **D** - OP-shoes
E - Containers   **F** - Baby-bottles   **G** - Lab glassware

Products	Alkalinity	Surfactants	Phosphates	Enzymes	Suitable for optics and anodized Alu.	Goods to be washed
Getinge Wash Normal	Amines	+	-	+	+	A, B, C, D, E
Getinge Wash Extra	Alkaline salts	-	+	-	(+)	A, C, D, (E), F
Getinge Wash Intensive	Caustic soda	+	-	-	-	A, C, D, F
Getinge Wash Enzyme	-	+	-	+	+	A, B, C, D, E
Getinge Wash LAB	Caustic soda	-	-	-	-	G

Acidic detergents and neutralizing agents

Products	Acids	Effects	Prewash for lab glassware	Dosage
Getinge Neutralization P	Phosphoric acid, citric acid	Neutralization of alkaline residues, removal of mineral residues, e.g. rust and lime	Removal of mineral residues	First rinse after the alkaline wash for neutralization or prewash
Getinge Neutralization	Citric acids	Neutralization of alkaline residues		First rinse after the alkaline wash

Lubricants and rinse aids

Products	Ingredients	Effects	Dosage
Getinge Instrumentmilk	Paraffinum perliquidum emulsifying agents	Lubrication of instruments	Final rinse
Getinge Rinse	Surfactants	Reduction of surface tension of water, improved drying	Final rinse

Flusher detergents

Products	Alkali	Dispersion agents	Complexing agents	Surfactants
GD Wash	+	-	++	+
GD Flush	-	++	+	-

Getinge detergents can be ordered from Getinge resellers.

GETINGE