

FlexControl
Art. 1883



DE **Betriebsanleitung**
Bewässerungscomputer

EN **Operation Instructions**
Water Computer

SV **Bruksanvisning**
Bevattningscomputer

DA **Brugsanvisning**
Vandlingscomputer

FI **Käyttöohje**
Kastelunohjain

NO **Bruksanvisning**
Vanningscomputer

ET **Kasutusjuhend**
Kastmiskompuuter

LT **Eksplotavimo instrukcija**
Laistymo kompiuteris

LV **Lietošanas instrukcija**
Laistīšanas dators

AR **دليل التشغيل**
كمبيوتر مراقبة الري

DE

EN

SV

DA

FI

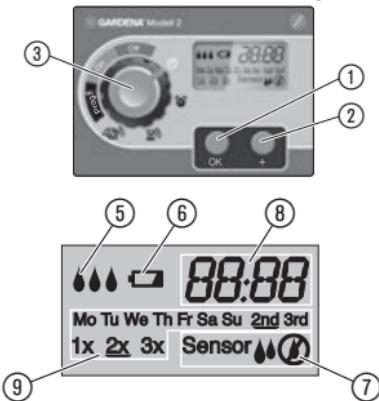
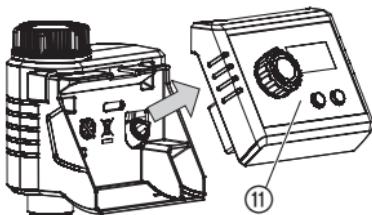
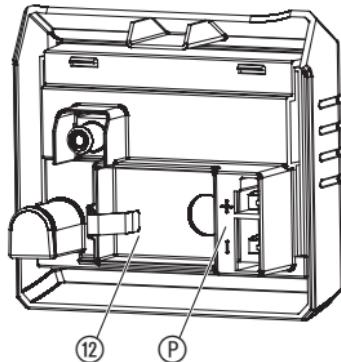
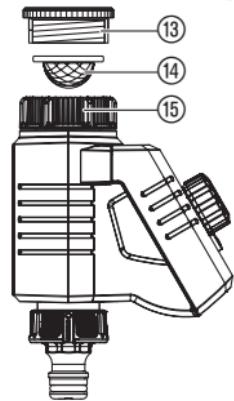
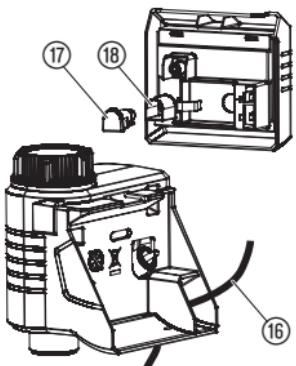
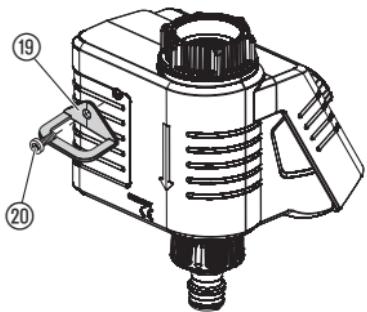
NO

ET

LT

LV

AR

F1/F2**I1****I2****I3/M1****I4****I5**

P1	P2	P3
<p>10:20</p> <p>Mo Tu We Th <u>Fr</u> Sa Su</p>	<p>18:30</p>	<p>0:20</p>
P4	P5	P6
<p>Mo Tu We Th Fr <u>Sa</u> Su 2nd 3rd</p> <p>1x <u>2x</u> 3x</p>	<p>*** 0:15</p>	<p>OFF</p>

GARDENA Water Computer FlexControl

EN

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Original instructions.



For safety reasons, children and young people under 16 as well as anyone who is not familiar with these operating instructions should not use the product. Persons with reduced

physical or mental abilities may use the product only if they are supervised or instructed by a responsible person. Children must be supervised to ensure that they do not play with the product. Never operate the product when you are tired, ill or under the influence of alcohol, drugs or medicine.

Intended use:

The GARDENA Water Computer is intended for private use in domestic and hobby gardens, exclusively for outdoor use, to control sprinklers and watering systems. The Water Computer can be used for automatic watering during holidays.

DANGER! The GARDENA Water Computer must not be used for industrial purposes or in conjunction with chemicals, foodstuffs, easily flammable and explosive materials.

1. SAFETY

Battery:

To ensure the Water Computer runs safely, only a 9V alkaline manganese battery (alkaline) type IEC 6LR61 must be used!

In order to stop the Water Computer from failing because of a weak battery if you are away for a long time, the battery must be replaced when the battery symbol flashes.

Setting up:

The Water Computer may only be set up vertically with the sleeve nut to the top to prevent water penetrating into the battery compartment.

The minimum water output to ensure that the Water Computer functions correctly is 20 – 30 l/h.

For example, at least 10 x 2-litre Drip Heads are required to control the Micro-Drip-System.

At high temperatures (over 60 °C at the display) the LCD display may extinguish. This does not affect the program in any way. When the computer cools down the LCD display illuminates again.

The max. temperature for the water flow is 40 °C.

→ Only use clear fresh water.

The minimum operating pressure is 0.5 bar, the maximum operating pressure is 12 bar.

Avoid tensile strain.

→ Do not pull the hose connected to the Water Computer.

If the controller is removed when the valve is open, the valve remains open until the controller is fitted again.

DANGER!

This product makes an electromagnetic field while it operates. This field may under some conditions interfere with active or passive medical implants. To decrease the risk of conditions that can possibly injure or kill, we recommend persons with medical implants to speak with their physician and the medical implant manufacturer before you operate the product.

DANGER!

Small parts can be easily swallowed. There is also a risk that the polybag can suffocate toddlers. Keep toddlers away when you assemble the product.

2. FUNCTION

With the Water Computer, the garden can be watered fully automatically up to 3 times a day at any time of day (every 8 hours). Sprinklers, a sprinkler system or a drip head watering system can be used for watering.

The Water Computer carries out watering fully automatically according to the set program and can therefore also be used during holidays. Early in the morning or late in the evening, evaporation and therefore water consumption is lowest.

Controls [Fig. F1]:

The watering programme is easily entered using the controls.

A watering program comprises the watering start time, duration and frequency.

Buttons	Function
① OK button	Applies the values set with the + button.
② + button	Changes the input data.
③ Rotary knob	Selects the program parameters.

Display [Fig. F2]:**Display****Description**

Flash consecutively whilst watering is carried out.



Flashes when the battery needs to be replaced. The valve is still opened for 4 weeks.

Is continuously displayed when the battery is empty. The valve is not opened any more.

Replace battery (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION “**Insert battery**”).



Indicates that the sensor registers dry and the programmed watering is carried out.



Indicates that the sensor registers wet and the programmed watering is not carried out

(see 3. Putting YOUR WATER COMPUTER INTO OPERATION “**Connect soil moisture or rain sensor**”).



Program times



Watering cycle

3. PUTTING YOUR WATER COMPUTER INTO OPERATION

Insert battery [Fig. I1/I2]:

The Water Computer must only be operated with a 9V alkali-manganese (alkaline) battery type IEC 6LR61.

1. Remove controller ⑪ from the housing of the Water Computer.
2. Insert battery in the battery compartment ⑫.
Observe correct polarity ⑭.
The display shows all LCD symbols for 2 seconds (see 4. PROGRAMMING).
3. Install controller ⑪ on the housing again.

Connect Water Computer [Fig. I3/M1]:

The Water Computer is fitted with a sleeve nut ⑯ for taps with (G 1") (33.3 mm) thread. The adaptor supplied ⑰ allows the Water Computer to be connected to taps with a (G ¾") thread (26.5 mm).

- Insert the filter ⑯ into the sleeve nut ⑯ and connect the water computer to the tap.

Connect soil moisture or rain sensor (optional) [Fig. I4]:

Apart from scheduled watering there is also the option of including how damp the soil is or rainfall into the watering programme.

Note:

If the soil is damp enough, the programme will be stopped, or a programme will be prevented from starting. Manual operation is possible at all times.

1. Remove controller ⑪ from the housing of the Water Computer (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION **"Insert battery"**).
2. Place soil moisture sensor **in** the watered area
- or - place rain sensor (with extension cable if necessary) **outside** the watered area.
3. Run the sensor cable ⑯ through the opening of the housing.
4. Disconnect the cover ⑰ and insert the sensor cable plug ⑯ into the sensor connection ⑰ of the water computer.

It can take up to 1 min. until the status of the sensor is shown on the display.

An adapter cable may be required to connect older sensors, which can be purchased from **GARDENA Service, GARDENA Adapter cable Art. No. 1189-00.600.45.**

Fit anti-theft device (optional) [Fig. I5]:

To secure your Water Computer against theft, you can obtain the **GARDENA Anti-theft device**

Art. No. 1815-00.791.00 from GARDENA Service.

1. Tightly screw the clamp ⑯ complete with the screw ⑰ into the circular groove on the rear of the water computer.
2. Use clamp ⑯ e.g. for fixing a chain.

It is no longer possible to remove the screw after it has been screwed in.

4. PROGRAMMING

Tip:

→ Program the Water Computer with the tap turned off.

In this way you can avoid getting wet.

Enter watering program:

To set the programme, the controller can be removed and mobile programming can be carried out (see 4. PUTTING YOUR WATER COMPUTER INTO OPERATION “**Insert battery**”).

Set time and day ☰ [Fig. P1]:

1. Turn rotary knob to ☰.
The time in hours flashes.

2. Select the time in hours (example: 10 hours) with the + button and confirm with the **OK** button.
The time in minutes flashes.

3. Select the time in minutes (example: 20 minutes) with the + button and confirm with the **OK** button.
The day of the week flashes.

4. Select the day of the week (example: friday) with the + button and confirm with the **OK** button.
A bar is displayed beneath the selected day of the week.

Set watering start time ☰ [Fig. P2]:

5. Turn the rotary knob to ☰.
The start time hours flash.

6. Set the start time hours (example: 18 hours) with the **+** button and confirm with the **OK** button.

The start time minutes flash.

7. Set the start time minutes (example: 30 minutes) with the **+** button and confirm with the **OK** button.

Set watering duration [Fig. P3]:

8. Turn the rotary knob to .

The duration hours flash.

9. Set the duration hours (example: 0 hours) with the **+** button and confirm with the **OK** button.

The duration minutes flash.

10. Set the duration minutes (example: 20 minutes) with the **+** button and confirm with the **OK** button.

Set watering cycle (day, frequency) [Fig. P4]:

The watering days can be selected directly (**Mo** to **Su**) or every 2nd (**2nd**) or 3rd (**3rd**) day. On the watering day, the watering frequency can be set to **1x** (every 24 hours), **2x** (every 12 hours) or **3x** (every 8 hours) respectively.

Comfort function: Watering is performed every day if only the watering frequency is selected.

11. Turn the rotary knob to  **Mo** flashes.
12. Select the days (e.g. **Mo** and **Sa**) with the **+** button and confirm/deselect with the **OK** button.
A bar is displayed beneath the selected days.

13. Set the frequency (e.g. **2x** = twice in 24 hours) with the **+** button and select with the **+** button and confirm/deselect with the **OK** button.
A bar is displayed beneath the selected frequency.

Activate program (Prog):

14. Turn the **rotary knob** to **Prog**.

The program is activated.

Next watering start time and day:

The next programmed watering start time and start day can be displayed if the **rotary knob** is turned to **Prog**.

→ Press the **OK** button.

The next watering start time and start day is displayed.

Important information:

If the subsequent day is not a watering day, the watering will stop at 12:00 a.m.

Manual watering [Fig. P5]:

The valve can be **opened or closed manually at any time**. The controller must be fitted.

1. Turn the **rotary knob** to **On**.

The valve is opened, the drips flash one after the other and the watering duration flashes (preset to 30 minutes at the factory) for 10 seconds in the display.

2. Whilst the watering duration is flashing, it can be modified with the + button (between **1** and **59** minutes) (example: **15** minutes) and confirmed with the **OK** button.
3. Turn the **rotary knob** to **Off** to close the valve early.

The valve is closed.

The adjusted manual watering duration is saved and is independent from the watering duration in the program, i.e. the adjusted watering duration is preset for each future manual valve opening.

Deactivate watering program [Fig. P6]:

The watering program is not executed when the knob is set to **Off**. The program remain stored. A program-controlled open valve can also be closed early without changing the program data (watering start time, watering duration, watering cycle).

→ Turn the **rotary knob** to **Off**.

The watering program is deactivated.

To reactivate the watering program turn the **rotary knob** to **Prog**.

5. STORAGE

To put into storage /Overwintering:

1. To preserve the battery, it should be removed (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION).

When the battery is inserted again in spring, the watering program must be newly entered again.

2. Store controller and valve unit in a dry place where they are protected from frost.



Disposal:

(in accordance with RL2012/19/EC)

The product must not be disposed of to normal household waste. It must be disposed of in line with local environmental regulations.



Important! Dispose of the product through or via your municipal recycling collection centre.

Disposing of flat batteries:

→ Please return flat batteries to a GARDENA dealer or dispose of them properly at your nearest recycling centre.

Only dispose of batteries when they are **flat**.

6. MAINTENANCE

Clean filter [Fig. I3/M1]:

The filter ⑯ should be checked regularly and cleaned when necessary.

1. Unscrew sleeve nut ⑮ of the Water Computer by hand from the tap thread (do not use pliers).

2. If necessary unscrew the adaptor ⑯.
3. Remove filter ⑯ from sleeve nut ⑮ and clean.
4. Fit the Water Computer again (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION “**Connecting Water Computer**”).

7. TROUBLESHOOTING

Problem	Possible Cause	Remedy
No display appears	Battery inserted incorrectly. Flat battery. Temperature on the display is higher than 60 °C.	→ Check polarity markings match (+/-). → Insert new (alkaline) battery. → Display appears after temperature has dropped.
Manual watering is not possible using the rotary knob set to On	Battery flat ( is continuously displayed). Tap turned off. Controller is not connected.	→ Insert new (alkaline) battery. → Turn tap on. → Mount controller on housing.

Problem	Possible Cause	Remedy
Watering program is not being undertaken (no watering)	Program entry/modification during or just before the start pulse.	→ Make program entry/modification outside the programmed start times.
	Tap turned off.	→ Turn tap on.
	Soil moisture or rain sensor registers damp.	→ If dry, check setting/location of soil moisture/rain sensor.
	Controller is not connected.	→ Mount controller on housing.
	Battery flat () is continuously displayed).	→ Insert new (alkaline) battery.
Water Computer does not close	Minimum quantity of water drawn is less than 20 l/h.	→ Connect more drip heads.



NOTE: For any other malfunctions please contact the GARDENA service department. Repairs must only be done by GARDENA service departments or specialist dealers approved by GARDENA.

8. ACCESSORIES

GARDENA Soil Moisture Sensor		Art. 1188
GARDENA Rain Sensor electronic		Art. 1189
GARDENA Anti-theft device		Art. 1815-00.791.00 from GARDENA Service
GARDENA Adapter cable	To connect older GARDENA sensors	Art. 1189-00.600.45 from GARDENA Service

9. TECHNICAL DATA

	Unit	Value (Art. 1883)
Min./max. operating pressure	bar	0,5 / 12
Operating temperature range	°C	5 to 50
Flow medium		clear fresh water
Max. liquid temperature	°C	40
Number of program-controlled watering cycles per day		3 x (every 8 hrs.), 2 x (every 12 hrs.), 1 x (every 24 hrs.)
Number of program-controlled watering cycles per week		Monday to Sunday or every second or third day.
Watering duration		1 minute to 1 hour 59 minutes
Battery required		1 × 9V alkaline manganese (alkaline) battery type IEC 6LR61
Operating time of the battery		approx. 1 year

10. SERVICE / WARRANTY

EN

Service:

Please contact the address on the back page.

Warranty:

In the event of a warranty claim, no charge is levied to you for the services provided.

GARDENA Manufacturing GmbH offers a two-year warranty (effective as of the date of purchase) for this product. This warranty includes all significant defects of the product that can be proved to be material or manufacturing faults. This warranty is fulfilled by supplying a fully functional replacement product or by repairing the faulty product sent to us free of charge; we reserve the right to choose between these options. This service is subject to the following provisions:

- The product was used for its intended purpose as per the recommendations in the operating instructions.

- Neither the purchaser nor a third party has attempted to repair the product.

This manufacturer's warranty does not affect warranty entitlements against the dealer/ retailer.

If problems arise with this product, please contact our Service department or send the defective product along with a brief description of the fault to GARDENA Manufacturing GmbH, making sure to have sufficiently covered any shipping costs and to have followed the relevant postage and packaging guidelines. A warranty claim must be accompanied by a copy of the proof of purchase.

Consumables:

Faults which occur as a result of incorrectly installed or leaking batteries are not covered by the guarantee.

Damage caused by frost is not covered by the warranty.

<p>DE Produkthaftung</p> <p>Wir weisen ausdrücklich darauf hin, dass wir in Übereinstimmung mit dem Produkthaftungsgesetz nicht für Schäden haften, die durch unsere Produkte entstehen, wenn diese unsachgemäß und nicht durch einen von uns autorisierten Servicepartner repariert wurden oder wenn keine Original GARDENA Teile oder von uns zugelassene Teile verwendet wurden.</p>	<p>FI Tuotevastuu</p> <p>Saksan tuotevastuulain mukaisesti emme ole vastuussa laitteiden vaarioista, jos korjausia ei ole tehnyt GARDENA hyväksymä huoltoliike tai jos niiden syynä on muiden kuin alkuperäisten GARDENA-varaosien tai GARDENA hyväksymien varaosien käyttö.</p>
<p>EN EC Declaration of Conformity</p> <p>The undersigned, Husqvarna AB, 561 82 Huskvarna, Sweden, hereby certifies that, when leaving our factory, the units indicated below are in accordance with the harmonised EU guidelines, EU standards of safety and product specific standards. This certificate becomes void if the units are modified without our approval.</p>	<p>ET Tootevastutus</p> <p>Vastavalt Saksamaa tootevastutusseadusele deklareerime käesolevaga selgesõnaliselt, et me ei kanna mingisugust vastutust meie toodetest tingitud kahjude eest, kui need tooted ei ole korrektelt parandatud GARDENA heakskiidetud hoolituspartneri poolt või kui parandamisel ei ole kasutatud GARDENA originaalosi või GARDENA volitatud osi.</p>
<p>SV Produktansvar</p> <p>I enlighet med tyska produktansvarslagar förklarar vi härmed uttryckligen att vi inte är åtar oss något ansvar för skador som orsakas av våra produkter där produkterna inte har genomgått korrekt reparation från en GARDENA-godkänd servicepartner eller där originaldelar från GARDENA eller delar godkända av GARDENA inte används.</p>	<p>LT Gaminio patikimumas</p> <p>Mes aiškiai pareiškiame, kad, atsižvelgiant į Vokietijos gaminių patikimumo įstatymą, neprišiimame atsakomybės dėl bet kokios žalos, patirto dėl mūsų gaminių, jeigu jie buvo netinkamai taisomi arba jų dalys buvo pakeistos neoriginaliomis GARDENA dalimis ar nepatvirtintomis dalimis, arba jeigu remonto darbai buvo atliekami ne GARDENA techninės priežiūros centro specialistų.</p>
<p>DA Produktansvar</p> <p>I overensstemmelse med den tyske produktansvarslov erklærer vi hermed udtrykkeligt, at vi ikke påtager os noget ansvar for skader på vores produkter, hvis de pågældende produkter ikke er blevet repareret korrekt af en GARDENA-godkendt servicepartner, eller hvor der ikke er brugt originale GARDENA-reservedele eller godkendte reservedele fra GARDENA.</p>	<p>LV Atbildība par produkcijas kvalitāti</p> <p>Saskaņā ar Vācijas likumu par atbildību par produkcijas kvalitati ar šo mēs paziņojam, ka neuzņemamies atbildību par bojājumiem, kas radušies, lietojot mūsu izstrādājumus, kuru remontu nav veicis uzņēmuma GARDENA apstiprināts apkopes partneris vai kuru remontam netika izmantotas oriģinālās GARDENA detalas vai detaļas, kuru lietošanu apstiprinājis uzņēmums GARDENA.</p>

<p>DE EU-Konformitätserklärung</p> <p>Der Unterzeichner, Husqvarna AB, 561 82 Huskvarna, Schweden, bescheinigt hiermit, dass die nachstehend aufgeführten Geräte bei Verlassen des Werks die harmonisierten EU-Leitlinien, EU-Normen für Sicherheit und besondere Normen erfüllen. Dieses Zertifikat verliert seine Gültigkeit, wenn die Geräte ohne unsere Genehmigung verändert werden.</p>	<p>FI EY-vaatimustenmukaisuusvakuutus</p> <p>Husqvarna AB, 561 82 Huskvarna, Ruotsi, vakuuttaa täten, että alla mainitut laitteet ovat tehtaalta lähtiesään yhdenmukaistettujen EU-säännösten, EU:n turvastandardien ja tuotekohtaisten standardien mukaisia. Tämä vakuutus mitätöityy, jos laitteita muokataan ilman hyväksyntäämme.</p>
<p>EN EC Declaration of Conformity</p> <p>The undersigned, Husqvarna AB, 561 82 Huskvarna, Sweden, hereby certifies that, when leaving our factory, the units indicated below are in accordance with the harmonised EU guidelines, EU standards of safety and product specific standards. This certificate becomes void if the units are modified without our approval.</p>	<p>ET EÜ vastavusdeklaratsioon</p> <p>Allakirjutanu Husqvarna AB, 561 82 Huskvarna, Roots, kinnitab käesolevaga, et tehasedest väljumisel vastavad alpool nimetatud seadmed harmoniseeritud EL-i suunistele, EL-i ohutusstandarditele ja tootele eriomastele standarditele. See vastavuskinnitus kaotab kehtivuse, kui seadet muudetakse ilma meie heaksikiduta.</p>
<p>SV EG-försäkran om överensstämmelse</p> <p>Undertecknad firma Husqvarna AB, 561 82 Huskvarna, Sverige, intygar härmed att nedan nämnda produkter, när de lämnar vår fabrik, överensstämmer med EU:s riktlinjer, EU:s säkerhetsstandarder och produktspesifika standarder. Detta intyg skall ogiltigförklaras om produkten ändras utan vårt godkännande.</p>	<p>LT EB atitikties deklaracija</p> <p>Husqvarna AB, 561 82 Huskvarna, Sweden, garantuoja, kad iš gamyklos siunčiami toliau nurodyti įrenginių atitinka suderintus EB reikalavimus, EB saugos ir konkretaus gaminio standartus. Pakelitus gaminį be mūsų patvirtinimo, nutraukiamas šio sertifikato galiojimas.</p>
<p>DA EU-overensstemmelseserklæring</p> <p>Undertegnede, Husqvarna AB, 561 82 Huskvarna, Sverige erklærer hermed, at nedenfor anførte enheder er i overensstemmelse med de harmoniserede EUretningslinjer, EU-standarder for sikkerhed og produktspesifikke standarder, når de forlader fabrikken. Denne erklæring ugyldiggøres, hvis enhederne ændres uden vores godkendelse.</p>	<p>LV EK atbilstības deklācija</p> <p>Uzņēmums Husqvarna AB, 561 82 Huskvarna, Zviedrija, ar parakstu apliecinā, ka tālāk minētās vienības, pametot rūpniču, atbilst saskanotajām ES vadlīnijām, ES drošības standartiem un izstrādājumam specifiskajiem standartiem. Šis sertifikāts tiek anulēts, ja šis vienības tiek modificētas bez mūsu apstiprinājuma.</p>

Produktbezeichnung: Description of the product: Beskrivning av produkten: Beskrivelse af produktet: Tuotteen kuvaus: Toote kirjeldus: Gaminio aprašas: Izstrādājuma apraksts:	Bewässerungscomputer Water Computer Bevattningscomputer Vandlingscomputer Kastelunohjain Kastmiskompuuter Laistymo kompiuteris Laistīšanas dators	Anbringungsjahr der CE-Kennzeichnung: Year of CE marking: Märkningsår: CE-Mærkningsår: CE-merkin kiinnitysvuosi: CE-märgistuse paigaldamise aasta: Metai, kada pažymėta CE-ženklą: CE-markējuma uzlikšanas gads:
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EU-Richtlinien: EC-Directives: EU-direktiv: EF-direktiver: EY-direktiivit: EÜ direktiivid: EB direktyvos: EK direktivas:	Hinterlegte Dokumentation: GARDENA Technische Dokumentation, M. Kugler, 89079 Ulm Deposited Documentation: GARDENA Technical Documentation, M. Kugler, 89079 Ulm Documentation déposée: Documentation technique GARDENA, M. Kugler, 89079 Ulm	Der Bevollmächtigte Authorised representative Auktoriserad representant Autoriseret repræsentant Valtuutettu edustaja Volitatud esindaja Igaliotasis atstovas Pilnvarotā persona
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