# **2016**

## Let it pour!

Pump assortment

CANDENIA

al station



# Always the right pump

Types of pumps at a glance.

GARDENA offers you and your customers an extensive pump range. With powerful, easy-to-use and reliable pumps for three different types of applications: garden irrigation, water supply and draining. From the basic Classic Pump to the high-quality Premium Pump in stainless steel design – you will find the right pump for every need. The overview below shows which pumps are available for which tasks.



#### Draining

#### Areas of use

- Pump water from the pool, pond or full excavation pit
- Pump water out of flooded cellars
- Pump water out of the laundry room
- Transfer water e.g. from a pond to a rain water tank

#### Requirements

- Powerful drainage performance
- · Fast pumping out or transfer of water
- · High delivery capacities

#### Your advantages

- Pump lots of water in a short time
- · Prevent the worst water damages with automatic and fast pumping
- · High functional safety

#### **Product selection**

- Submersible Pumps
  - For dirt particles of up to 5 mm diameter
- Dirty Water Pumps For dirt particles of up to 38 mm diameter



#### Irrigation

#### Areas of use

- · Irrigate with water from wells, cisterns and rain water tanks
- Increase water pressure of the tap

#### Requirements

- Pump with continuously high pressure for even irrigation
- · Powerful, water pumping that is reliable on long term

#### Your advantages

- The right pump for every situation
- High-pressure and even garden irrigation
- Convenient and safe handling
- Save resources save drinking water

#### **Product selection**

- Garden Pumps
- Electronic Pressure Pumps
- Rain Water Tank Pumps
- Submersible Pressure Pumps
- Deep Well Pumps







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#### Supplying water for domestic use

#### Areas of use

• Water for the home (e.g. toilet flushing and washing machine) and garden from alternative water sources

#### Requirements

- Fully-automatic operating pump
- High safety and reliable use

#### Your advantages

- Water is supplied to the house and garden automatically and reliably from alternative water reservoirs (e.g. cisterns, wells)
- Save on resources: conveniently pump water, save drinking water, protect the environment

#### Product selection

- Electronic Pressure Pumps For stationary and mobile use
- Pressure Tank Units For stationary use - permanently installed in the home Automatic Submersible Pressure Pumps
- For stationary use (e.g. installed in cisterns)





### **GARDENA Submersible Pumps**

#### Easy to use and quiet.

GARDENA Submersible Pumps are powerful, robust and work quietly. They are ideal for drainage, for water retrieval and for pumping water between and from containers. They can transport clean and slightly dirty water with up to 5 mm particle diameter. The pumps can be easily switched to manual, permanent operation. Models fitted with aquasensor can start to pump automatically from a 5 mm water level and remove water until wipe dry with a residual water level of just 1 mm.



#### aquasensor

The pump starts automatically at a water level of 5 mm. The cut-in and cut-out levels are independently adjustable (5 mm to 220 mm). With flat suction of down to 1 mm (wipe dry).



#### **Float Switch**

For automatic cut-in and cut-out operation. Infinitely variable via panel of cable holder. Plug-in device for permanent manual operation (except Article No. 1777).

#### DENA 9000 aquasensor

### **Comfort Submersible Pump 9000 aquasensor** For clean conditions.













Item description	Classic 6000	Classic 7000	Comfort 9000 aquasensor	Comfort 13000 aquasensor	Premium 21000 inox
Rated power	220 W	250 W	320 W	650 W	1000 W
Max. delivery capacity	6000 l/h	7000 l/h	9000 l/h	13 000 l/h	21 000 l/h
Max. delivery head/pressure	5 m / 0.5 bar	6 m / 0.6 bar	7 m / 0.7 bar	8 m / 0.8 bar	11 m / 1.1 bar
Automatic function	Float Switch	Float Switch	aquasensor, automatically starts at a water level of 5 mm	aquasensor, automatically starts at a water level of 5 mm	Float Switch
Max. submersion depth	7 m	7 m	7 m	7 m	7 m
Flat suction down to	5 mm	1 mm	1 mm	1 mm	3 mm
Max. particle size	5 mm	5 mm	5 mm	5 mm	5 mm
Weight approx.	3.8 kg	4.3 kg	3.8 kg	5.4 kg	8.3 kg
Dimensions (LxWxH) approx.	20 / 17 / 30 cm	23 / 16 / 27 cm	28 / 17 / 25 cm	28 / 17 / 28 cm	32 / 18 / 34 cm
Power cable	10 m (H05 RNF)	10 m (H05 RNF)	10 m (H05 RNF)	10 m (H07 RNF)	10 m (H07 RNF)
Max. liquid temperature	35 °C	35 °C	35 °C	35 °C	35 °C
Backflow preventer	-	-	•	•	-
Article No.	1777	1780	1783	1785	1787

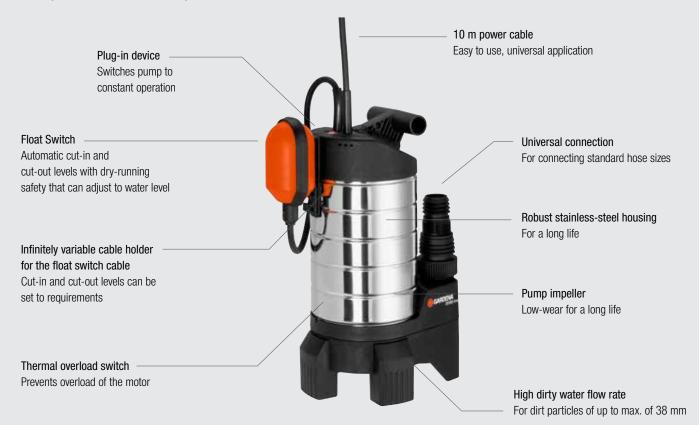
### GARDENA Dirty Water Pumps

For pumping coarse and fine dirt particles.

The compact design of GARDENA Dirty Water Pumps can pump even large particles of dirt (with up to 38 mm diameter depending on model) and are ideal for draining and pumping dirty water between and from containers. If you have to drain flooded building foundations or a garden pond, the GARDENA Dirty Water Pump is the perfect partner for you.



### Premium Dirty Water Pump 20000 inox Clearing water from cellars and building foundations.



	4				
Item description	Classic 6000	Classic 7500	Comfort 8500 aquasensor	Comfort 13000 aquasensor	Premium 20000 inox
Rated power	220 W	340 W	380 W	680 W	1050 W
Max. delivery capacity	6000 l/h	7500 l/h	8300 l/h	13 000 l/h	20 000 l/h
Max. delivery head/pressure	5 m / 0.5 bar	6 m / 0.6 bar	6 m / 0.6 bar	9 m / 0.9 bar	11 m / 1.1 bar
Automatic function	Float Switch	Float Switch	aquasensor, automatically starts at a water level of 65 mm	aquasensor automatically starts at a water level of 70 mm	Float Switch
Max. submersion depth	7 m	7 m	7 m	7 m	7 m
Max. particle size	25 mm	25 mm	30 mm	30 mm	38 mm
Weight approx.	3.8 kg	4.3 kg	4.0 kg	5.6 kg	8.3 kg
Dimensions (LxWxH) approx.	21 / 17 / 32 cm	27 / 16 / 29 cm	26/18/31 cm	26 / 19 / 34 cm	30 / 19 / 39 cm
Power cable	10 m (H05 RNF)	10 m (H05 RNF)	10 m (H05 RNF)	10 m (H07 RNF)	10 m (H07 RNF)
Max. liquid temperature	35°C	35 °C	35°C	35 °C	35 °C
Article No.	1790	1795	1797	1799	1802

### **GARDENA Garden Pumps**

#### Flexible use - powerful, long-life.

With the powerful GARDENA Garden Pumps, you can transport rain water from the cistern, rain water tank or well at depths of up to 8 m, and irrigate your lawn, flowers or vegetable garden while protecting the environment. From the starter model to the high-performance pump, with GARDENA you'll find the right pump for your garden size, length of hose, number of sprinklers or desired pressure.



#### **Robust and reliable**

High-quality materials and meticulous design protect the pumps against damage and ensure a long life and secure operation.



#### **Safe-pump function**

- Automatic safety switch-off function
- Integrated dry-running safety
- LED display indicator with warning function (error message)

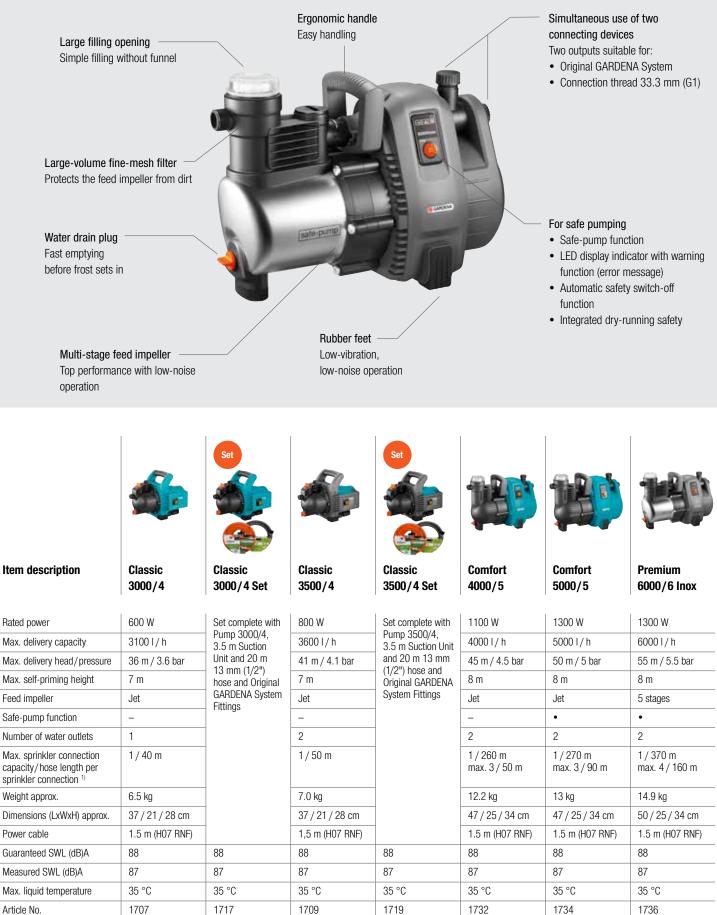


Quiet operation Rubber feet guarantee a sturdy stand and low-noise and low-vibration operation.



#### Premium Garden Pump 6000/6 inox

Powerful and ultra safe.



<sup>1</sup> Data based on following calculations: Water flow at the sprinkler approx. 750 l/h, water pressure at the sprinkler approx. 1.8 bar, suction height approx. 0.5 m. Use of 19 mm (3/4") hoses with GARDENA Professional System Fittings

### GARDENA **Rain Water Tank Pumps**

Power models for convenient garden irrigation.

With GARDENA Rain Water Tank Pumps, you can fill watering cans or irrigate your garden with either a connected sprinkler, a nozzle, a sprayer or the Micro-Drip-System. Say goodbye to carrying heavy watering cans around the garden! Practical feature: The pump can also be used for draining.

GARDEINA

4000/2

The GARDENA Rain Water Tank Pump's two-stage feed impeller generates more pressure. It offers a greater pumping capacity than rain water tank pumps fitted with the standard technology. A sprinkler can also be connected for garden irrigation. The Comfort model also automatically switches on when water is required and then switches off again.

#### **Comfort Rain Water Tank** Pump 4000/2 automatic Water on tap.





Item description	Classic Rain Water Tank Pump 4000/2	Comfort Rain Water Tank Pump 4000/2 automatic	
Rated power	500 W	500 W	
Max. delivery capacity	4000 l/h	4000 l/h	
Max. delivery head/pressure	20 m / 2.0 bar	20 m / 2.0 bar	
Automatic cut-in/cut-out	-	•	
Dry-running safety	With Float Switch	Integrated	
Max. submersion depth	7 m	7 m	
Feed impeller	2 stages	2 stages	
Max. liquid temperature	35 °C	35 °C	
Sprinkler connection capacity/max. hose length per sprinkler <sup>1)</sup>	1/50 m	1 / 50 m	
Pump diameter	14.8 cm	14.8 cm	
Weight approx.	4.8 kg	5 kg	
Dimensions (LxWxH) approx.	25 / 14.8 / 45 cm	25 / 14.8 / 45 cm	
Power cable	10 m (H05 RNF)	10 m (H05 RNF)	
Article No.	1740	1742	

<sup>1)</sup> Data based on following calculations: Water flow at the sprinkler approx. 570 l/h, water pressure at the sprinkler approx. 1.3 bar, use of 19 mm (3/4") hoses with GARDENA Professional System Fittings

IRRIGATION 10

### **GARDENA Submersible Pressure Pumps automatic**

#### Automatic water supply on standby.

The GARDENA Submersible Pressure Pumps, automatic pump from depths up to approx. 20 m from wells or cisterns. The innovative automatic function is especially convenient. Thanks to the Manometric Switch and flow recognition sensor, the pump automatically switches on for water retrieval and then off again afterwards. With a power cable up to 22 m in length, the pumps are installed directly in water and, with the supplied fastening rope, can be quickly lifted up when required. Can also be used for supplying water for domestic use.

#### Comfort Submersible Pressure Pump 6000/5 automatic

Automatic cut-in and cut-out as required.

Backflow preventer No backflow of pumped water, reduced re-suction time Protection against damage – pump automatically switches off as soon as no water can be pumped

Connection thread G1

Suitable for Original

GARDENA System

Multi-stage feed impeller Top performance with low-noise operation fastening rope Easy and safe positioning Large, ergonomic handle Easy handling

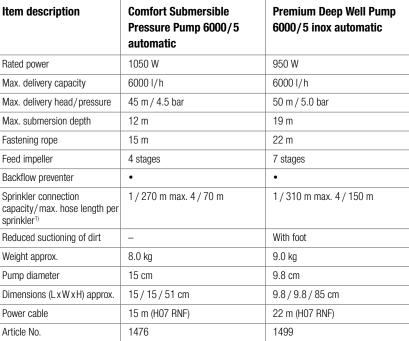
15 m power cable and

 Integrated electronics with Manometric Switch
Pump automatically switches on for water retrieval and then off

Thermal overload switch Prevents overload of the motor

Rust-free stainless-steel filter Protection from dirt





<sup>1)</sup> Based on the following calculations: Water flow at the sprinkler approx. 750 I/h, water pressure at the sprinkler approx. 1.8 bar, use of 19 mm (3/4") hoses with GARDENA Professional System Fittings



6000/5 inen

### GARDENA Submersible Pressure Pumps

Sensibly use ground water and water from cisterns.

Tap natural water reservoirs! Ground water and rain water are perfect water suppliers for plant irrigation. With a well you can also access greater depths. GARDENA Submersible Pressure Pumps help with retrieval.

**Classic Submersible** 

1000 W

6000 l/h

12 m

15 m

15 cm

4 stages

1/280 m

10.0 kg

1468

With Float Switch

max. 4 / 110 m

15/15/47 cm

15 m (H07 RNF)

40 m / 4.0 bar

Pressure Pump 6000/4

#### Classic Submersible Pressure Pump 6000/4

Pump water from below ground.



<sup>1</sup> Based on the following calculations: Water flow at the sprinkler approx. 750 I/h, water pressure at t	the
sprinkler approx. 1.8 bar, use of 19 mm (3/4") hoses with GARDENA Professional System Fittings	

**Classic Submersible** 

900 W

12 m

15 m

15 cm

3 stages

1/150 m

9.6 kg

1461

max. 3 / 60 m

15/15/45 cm

15 m (H07 RNF)

With Float Switch

5500 l/h

30 m / 3.0 bar

Pressure Pump 5500/3

Item description

Max. delivery capacity

Max. submersion depth

Max. delivery head/pressure

Rated power

Fastening rope

Pump diameter

Feed impeller

sprinkler 1

Weight approx.

Power cable

Article No.

Dry-running safety

Sprinkler connection

capacity/max. hose length per

Dimensions (LxWxH) approx.

### GARDENA Deep Well Pumps

Powerful pumping of water reserves deep underground.

Whether cisterns, wells or deep water resources: GARDENA Deep Well Pumps can pump water at depths of up to 20 m and are particularly suitable for narrow, compact spaces. All they need is a 100 mm well diameter for them to pump up fresh water reserves from deep underground.

#### Premium Deep Well Pump 6000/5 inox

Install at depths in narrow wells.

22 m power cable and	Sui
fastening rope	Sys
For great depths	Ada
	33.

Pulled with No Poly Pulled Pul

Suitable for Original GARDENA System Adaptor with mating thread 33.3 mm (G1)

Backflow preventer No backflow of pumped water, reduced re-suction time

Pump diameter 98 mm Ideal for use in narrow drilled wells with a diameter from 100 mm

Robust stainless-steel housing For a long life

Thermal overload switch No overloading of the motor

Multi-stage feed impeller Top performance with low-noise operation

Rust-free stainless-steel filter Protection from dirt

Stable foot, can also be mounted Prevents the suction of dirt and sand





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Item description	Premium Deep Well Pump 5500/5 inox	Premium Deep Well Pump 6000/5 inox
Rated power	850 W	950 W
Max. delivery capacity	5500 l/h	6000 l/h
Max. delivery head/pressure	45 m / 4.5 bar	50 m / 5.0 bar
Max. submersion depth	19 m	19 m
Feed impeller	6 stages	7 stages
Pump diameter	9.8 cm	9.8 cm
Sprinkler connection capacity/max. hose length per sprinkler <sup>1)</sup>	1 / 260 m max. 4 / 140 m	1 / 310 m max. 4 / 150 m
Reduced suctioning of dirt	With foot	With foot
Weight approx.	7.5 kg	8.25 kg
Dimensions (LxWxH) approx.	9.8 / 9.8 / 64 cm	9.8 / 9.8 / 65 cm
Fastening rope	22 m	22 m
Power cable	22 m (H07 RNF)	22 m (H07 RNF)
Article No.	1489	1492

<sup>1</sup> Based on the following calculations: Water flow at the sprinkler approx. 570 l/h, water pressure at the sprinkler approx. 1.3 bar, use of 19 mm (3/4") hoses with GARDENA Professional System Fittings

### GARDENA Electronic Pressure Pumps

#### For fully automatic distribution of water in the home and garden.

Wherever you need water: The compact design makes the GARDENA Electronic Pressure Pumps extremely flexible to use whether for the garden, toilet or even for the washing machine. These systems are suitable as both a permanent installation for supplying water for domestic use or for convenient use when watering the garden. They switch on automatically when water is required and switch back off afterwards. You will find the right model whatever your requirements.



**New check valve adjustment** Ensures a quick suction process and problem-free operation.



**Low quantity programme** Ensures problem-free use, even with the lowest of water requirements.



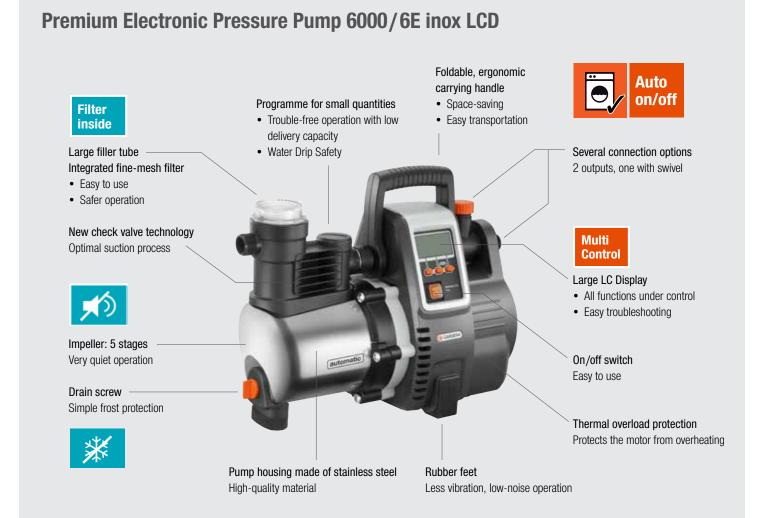
**Integrated fine-mesh filter** Prevents damage to the pump.



**Large LC Display** Full control of all pump functions. Comprehensive text information on possible faults and their remedy.

automatic





	Classic 3500/4E	Comfort 4000/5E	Comfort 5000/5E LCD	Premium 6000/6E LCD Inox
Rated power	800 W	1100 W	1300 W	1300 W
Max. delivery capacity	3500 l/h	4000 l/h	5000 l/h	6000 l/h
Max. delivery head/pressure	40 m / 4.0 bar	45 m / 4.5 bar	50 m / 5.0 bar	55 m / 5.5 bar
Max. suction height	8 m	8 m	8 m	8 m
Feed impeller	Jet	Jet	Jet	5 stages
Weight approx.	8.1 kg	12.5 kg	13.3 kg	15.2 kg
Dimensions (LxWxH) approx.	44 / 20 / 30 cm	47 / 26 / 34 cm	47 / 26 / 34 cm	50 / 26 / 34 cm
Max. liquid temperature	35 °C	35 °C	35 °C	35° C
Power cable	1.5 m (H07 RNF)	1.5 m (H07 RNF)	1.5 m (H07 RNF)	1.5 m (H07 RNF)
Number of water outlets	1	2 (one can be angled)	2 (one can be angled)	2 (one can be angled)
Sealing system	Double, with ceramics	Double, with ceramics	Double, with ceramics	Double, with ceramics
Dry-running safety + water-drip alert	•	•	•	•
Info display	LED	LED	LCD display (24 languages)	LCD display (24 languages)
Small amount programme	•	•	•	•
Guaranteed SWL (dB)A	76	78	79	77
Measured SWL (dB)A	75	77	75	73
Article No.	1757	1758	1759	1760

<sup>1)</sup> Data based on following calculations: Water flow at the sprinkler approx. 750 l/h, water pressure at the sprinkler approx. 1.8 bar. Use of 19 mm (3/4") hoses with GARDENA Professional System Fittings

### **GARDENA Pressure** Tank Units eco

#### Energy-saving and safe for the most demanding tasks.

With a permanently installed GARDENA Pressure Tank Unit, you can use the domestic water from wells or cisterns for watering your garden, for your sanitary requirements or the washing machine at no extra cost. GARDENA Pressure Tank Units automatically switch on when water is required and then switch off again. The Pressure Tank Unit does not start up for every requirement. It makes use of its large water tank. The water tank compensates for any leaks on the pipeline (e.g. dripping tap). A feature that saves on energy and protects the environment. A wide range of Pressure Tank Units is available for you to find a suitable unit to meet your needs.

GARDENA





#### Premium Pressure Tank Unit 5000/5 eco inox



	Classic 3000/4 eco	Classic 4000/5 eco	Comfort 5000/5 eco	Premium 5000/5 eco inox
Rated power	650 W	850 W	1100 W	1200 W
Max. delivery capacity	2800 l/h	3500 l/h	4500 l/h	4500 l/h
Max. pressure/delivery head	4.0 bar / 40 m	4.5 bar / 45 m	5.0 bar / 50 m	5.0 bar / 50 m
Max. self-priming height	8 m	8 m	8 m	8 m
Water tank 24 I	5 years maintenance-free	5 years maintenance-free	5 years maintenance-free	5 years maintenance-free
Number of connections	1	3	3	3
Eco mode	•	•	•	•
Overheating protection	•	•	•	•
Integ. dry-running safety	-	•	•	•
Feed impeller	Jet	Jet	Jet	Jet
Weight approx.	12.8 kg	13.7 kg	15.5 kg	15.5 kg
Dimensions (LxWxH) approx.	45 / 29 / 62 cm	45 / 29 / 62 cm	46 / 30 / 62 cm	46 / 30 / 62 cm
Sprinkler connection capacity/ max. hose length per sprinkler <sup>1)</sup>	1 / 100 m 2 / 10 m	1 / 150 m 2 / 50 m	1 / 190 m max. 3 / 60 m	1 / 190 m max. 3 / 90 m
Max. liquid temperature	35 °C	35 °C	35 °C	35 °C
Guaranteed SWL (dB)A	81	85	89	90
Measured SWL (dB)A	78.5	83	87	87
Article No.	1753	1754	1755	1756

<sup>1</sup> Data based on following calculations: Water flow at the sprinkler approx. 750 I/h, water pressure at the sprinkler approx. 1.8 bar, suction height approx. 0.5 m. Use of 19 mm (3/4") hoses with GARDENA Professional System Fittings

### **GARDENA Pump Accessories**

#### To keep everything flowing smoothly.

A wide range of system accessories is available so that you can tailor every pump to your exact requirements. Depending on the location, delivery head and your personal requirements, you can individually equip your GARDENA pump. Add the right accessories to your pump depending on your own suction and pumping requirements and profit from the wide range of possibilities available to you.

safe-pump

#### Suction aids

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Suction Unit	Suction Hose	Suction Hose sold by the metre	Suction Hose Fitting	Suction Filter with Backflow Preventer	Bore Hole Suction Hose	Pump Preliminary Filter
For reduced re-suction time, suction hose ready to connect up with suction filter and backflow preventer.	For extending the Suction Unit or for use with suction filters (3.5 m).	Vacuum-resistant spiral suction hose.	For vacuum-resistant connection of the Suction Hose, sold by the metre to the pump. With 33.3 mm (G1) female thread.	Connection to Suction Hoses, backflow preventer reduces re-suction time. (Art. no. 1728 metal/plastic design – not shown –)	For vacuum-resistant connection of the pump to boreholes or pipeworks.	To protect the pump against damage from impurities.
Length: 3.5 m		Ø 19 mm (¾")	19 mm (¾")	(¾")	Length 0.5 m	Flow: < 3.000 I / h
Article No. 1411	Article No. 1412	Article No. 1720	Article No. 1723	Article No. 1726	Article No. 1729	Article No. 1731
Length: 7 m		25 mm (1")	25 mm (1")	(1")		Flow: < 6.000 I / h
Article No. 1418		Article No. 1721	Article No. 1724	Article No. 1727		Article No. 1730
		32 mm (5/4")		(3/4"+1")		
		Article No. 1722		Article No. 1728		

#### Supply aids

<b>1111</b>					
Pump Connection Set	Pump Fitting	Submersible Pump Fitting	Float Switch	Dry-running Safety	Electronic Manometric Switch with Dry-running Safety
For connecting pumps with male thread: 33.3 mm (G1) to the GARDENA Hose Connection System.	For connecting pumps with female thread to the GARDENA Hose Connection System. With 33.3 mm (G1)/33.3 mm (G1) thread	For connecting Submersible Pumps with female thread to the GARDENA Hose Connection System.	Switches the pump on and off depending on water level. With 10 m power cable.	Switches the pump off automatically when medium fails to flow. With 33.3 mm (G1) mating thread.	For converting garden pumps into electronic pressure pumps.
1⁄2"		With 33.3 mm (G1)/ 33.3 mm (G1)			
Article No. 1750	Article No. 1745	Article No. 1743	Article No. 1735	Article No. 1741	Article No. 1739
3⁄4"		With 42 mm (G5/4)/ 33.3 mm (G1)			
Article No. 1752		Article No. 1744			



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#### More about GARDENA

This brochure only covers a part of the GARDENA product assortment. On the Internet at www.gardena.com, you will find the entire range and also useful tips for garden work and garden design.

Or simply order our free newsletter at www.gardena.com that is sent out a regular intervals and contains practical information and tips all about gardening.

We reserve the right to make modifications, also product modifications.







