

**Multi-purpose**  
submersible  
drainage pumps

# The Unilift CC

## Multi-purpose submersible drainage pumps

### Cracking good drainage pumps

The Grundfos Unilift CC pumps are the latest addition to Grundfos' extensive wastewater range, representing our continued commitment to bringing you the best wastewater pumps for use in and around buildings.

### Where to use the Unilift CC

The Unilift CC will handle clean water, groundwater and grey wastewater with particles up to 10 mm. It must be completely or partly submerged in the liquid. When we call the Unilift CC a multi-purpose pump, we mean it: it is excellent for both low-suction and standard drainage jobs.

- When fitted with the stainless-steel strainer, the Unilift CC is a sturdy pump for regular drainage jobs
- With the strainer removed it becomes an efficient low-suction pump that will pump away liquids down to a level of 3 mm

- **A multi-purpose pump for both regular and low-suction drainage jobs (3 mm)**
- **Ceramic shaft seal with triple lip seals for efficient motor protection**
- **Adaptor for easy connection and non-return valve included**

### The Unilift CC is excellent for

- Drainage around houses and buildings
- Wastewater from washing machines, showers etc.
- Drainage of flooded cellars
- Emptying of swimming pools, garden ponds, etc.
- Garden irrigation from rainwater collection tanks
- Emergency use

### Three models in the range

The Unilift CC range comprises three different sizes: the CC 5, CC 7, and CC 9, all capable of handling particle sizes up to 10 mm. The range covers a wide application area: flows from 6 m<sup>3</sup>/h to 14 m<sup>3</sup>/h and heads from 5 to 9 m. Every model is available with or without a float switch for automatic or manual operation. See p. 8 for details.

Pump type	Flow (m <sup>3</sup> /h)	Head (m)
Unilift CC 5	6	5
Unilift CC 7	10	7
Unilift CC 9	14	9

- **Strong, lightweight design that combines composite and stainless steel**
- **Water-cooled dry-runner pump – all wet parts made from non-corroding materials**
- **Allows for continuous operation**
- **Includes built-in thermal overload protection**



*The **impact-resistant** stainless steel strainer makes the Unilift CC very tough*







# Lightness and strength

## Combining the best materials for the job

The Unilift CC pump sleeve is made from composite material that combines lightness with strength. Naturally, the composite is corrosion-free and withstands the trials of everyday handling extremely well.

## Focus on strength

The focus on strength is also reflected in the strainer that keeps out particles with a diameter greater than 10 mm: the Unilift CC is the only pump of its type on the market with a stainless-steel strainer, a fact that makes it remarkably robust. And that is just one example on the Unilift CC's emphasis on robustness.

- **Corrosion-free, lightweight composite sleeve**
- **Strong stainless-steel strainer**
- **Stainless steel inside for maximum strength**
- **Ceramic shaft seal prolongs pump life**
- **Compact design for easy handling and cleaning**

## Strong inside, too

Inside the pump, the steely strength continues. The motor casing is made from stainless steel, as is the shaft. For maximum strength and reliability, a ceramic layer on the shaft seal prolongs the pumps' life. And to match this strength with equally great safety, the cable inlet point is hermetically sealed to prevent problems with water entering the motor.

All in all, the choice of materials for the Unilift CC was made with the usual Grundfos philosophy in mind: creating the best possible product for the task to be done. We do our job properly, always aiming to make it easier for you to do the same.

The lightweight, yet strong composite material used for the pump sleeve makes the Unilift CC easy to handle on the job.





# As close to dry as a pump can get you

## **The Unilift CC leaves the floor virtually dry**

Most submersible pumps for drainage of cellars leave a significant amount of residual water, and the final clean-up can be both costly and time-consuming. The low-suction feature on the Unilift CC pumps saves both time and money.

Most drainage pumps are restricted to either regular drainage or low-suction operation, but the Unilift CC is different: its special hydraulics combine the ability to handle 10 mm particles with the ability to pump away liquid down to very low levels. When you remove the strainer, the Unilift CC becomes a low-suction

pump capable of pumping away liquid down to a level of just 3 mm. This unique low suction ability brings you closer to complete dryness than any other Grundfos drainage pump – all you need to complete the job is a mop!

To utilise the full low suction ability, simply remove the suction strainer – it can be done in a single move by inserting a flat tool between the strainer and the pump sleeve and twisting it slightly. Now, the strainer will pop loose. To resume normal operation, just click the strainer back in position.

- **Avoid costly removal of residual water**
- **Low-suction ability – down to 3 mm**
- **Easy-to-replace stainless-steel strainer**

The stainless-steel strainer is easy to remove for low-suction pumping. To replace, just click it back on.



# Unilift CC benefits

## Self-venting valve

A special self-venting valve, located in the handle, prevents air from getting trapped in the pump. Thus, the water will always reach the impeller for a smooth start.

## Impeller design prevents jamming

The semi-open impeller has single-curved vanes with bevelled front edges that help prevent fibre jamming.

## Continuous operation

The Unilift CC can be used for continuous operation as long as the water level is at least 25 mm – the minimum level for efficient long-term motor cooling.

## Sealed cable inlet

Liquid entering the motor is a common cause of pump failure. To avoid this, the Unilift CC has a completely watertight cable inlet point that prevents moisture from entering the pump motor.

## Ceramic shaft seal for greater durability

All three pump models are equipped with a durable ceramic shaft seal combined with triple lip seals to ensure long-term protection. As an added bonus, the Unilift CC 7 and 9 models combine the ceramic shaft seal with an extra V-ring lip seal to add further protection against particles in the media.

	Unilift CC 5	Unilift CC 7	Unilift CC 9
Max. particle size	10	10	10
Max. flow (m <sup>3</sup> /h)	6	10	14
Max. head (m)	5	7	9
Dimensions (mm)	160 x 306	160 x 306	160 x 341.5
Power consumption (W)	240	380	780
Weight (kg)	4.35	4.60	6.50
Cable type, 10 m	H05RN-F 3G0, 75	H07RN-F 3G1	H07RN-F 3G1
Approvals	CE, VDE, GS, EMV, GOST	CE, LGA, VDE, GS, EMV, GOST	CE, LGA, VDE, GS, EMV, GOST
Phases	1	1	1
Frequency (Hz) A	50	50	50
Voltage (V) A	220-240	220-240	220-240
Max. installation depth (m)	10	10	10
Insulation class	B	F	B
IP class	68	68	68
Max. liquid temperature, °C	40 (70° 2 min)	40 (70° 2 min)	40 (70° 2 min)
Discharge connection, external thread	1.1/4"	1.1/4"	1.1/4"

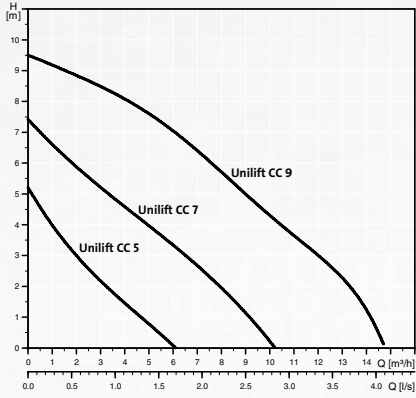
### The CC adaptor: flexible connection, no backflow

The Unilift CC comes equipped with an adaptor that not only makes installation simple, it also features a non-return valve that prevents backflow when the pump is stopped. To connect your Unilift CC to ¾", 1" or 1 ¼" pipe threads, simply cut off the adaptor to the appropriate size.

### Easy float switch adjustment to control start/stop levels

Unilift CC pumps are available with a float switch for automatic operation. They incorporate a special grip that lets you adjust the length of your float switch cable. This makes it easy for you to set start and stop levels for your pumps – simply fasten the cable inside the grip at the desired length.





# Grundfos

## – The Wastewater Specialist

### A complete wastewater programme for building services

You may be surprised at the extent of the Grundfos wastewater range, but rest assured that all surprises will be pleasant ones. In recent years, we have built a product range that will pump drainage, effluent, and

sewage in and around buildings of any kind. In any quantities. And in any setting. Grundfos wastewater pumps are easy to install, easy to service, and offer years of trouble-free service. For more information about the full product range, visit our website or contact your local Grundfos dealer.

### Sewage pumps



SE1

Q max: 300 m<sup>3</sup>/h  
H max: 32 m  
Free passage: 50-80-100 mm



SEV

Q max: 130 m<sup>3</sup>/h  
H max: 44 m  
Free passage: 65-80-100 mm



SEG

Q max: 18 m<sup>3</sup>/h  
H max: 45 m  
Free passage: With grinder



EF

Q max: 45 m<sup>3</sup>/h  
H max: 22 m  
Free passage: 30 mm

### Drainage & Effluent pumps



UNILIFT KP

Q max: 14 m<sup>3</sup>/h  
H max: 9 m  
Free passage: 10 mm



UNILIFT CC

Q max: 14 m<sup>3</sup>/h  
H max: 9 m  
Free passage: 10 mm



UNILIFT AP 12

Q max: 36 m<sup>3</sup>/h  
H max: 16 m  
Free passage: 12 mm



UNILIFT AP 35/50

Q max: 22/32 m<sup>3</sup>/h  
H max: 11/12 m  
Free passage: 35/50 mm

## Lifting stations



DP

Q max: **45 m<sup>3</sup>/h**  
H max: **25 m**  
Free passage: **10 mm**



MD1/MDV

Q max: **220 m<sup>3</sup>/h**  
H max: **28 m**  
Free passage: **50-100 mm**



M/MD

Q max: **57 m<sup>3</sup>/h**  
H max: **19 m**  
Free passage: **N/A**



CONLIFT

Q max: **0.6 m<sup>3</sup>/h**  
H max: **5 m**  
Free passage: **N/A**



UNILIFT AP 35/50B

Q max: **21/32 m<sup>3</sup>/h**  
H max: **12/18 m**  
Free passage: **35/50 mm**



LIFTAWAY B

Q max: **18 m<sup>3</sup>/h**  
H max: **14 m**  
Free passage: **12 mm**



LIFTAWAY C

Q max: **9 m<sup>3</sup>/h**  
H max: **7 m**  
Free passage: **10 mm**



SOLOLIFT+

Lifting stations for all domestic applications

**The Unilift CC:  
part of the innovative Grundfos product family**

Grundfos has been developing pumps for domestic use for more than 40 years. Throughout our long history our focus has always been firmly on the customer, enabling us to provide flexible and innovative solutions for heating, water supply and wastewater applications.

The Unilift CC is the latest addition to the Grundfos wastewater range. It is a multi-purpose submersible drainage pump that combines two functions in a single, efficient product: regular drainage or low-suction pumping down to a level of 3 mm.

Contact your local Grundfos dealer for information on our extensive product range – or visit us at [www.grundfos.com](http://www.grundfos.com)

Your Dealer:

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