Sololift2

Small lifting stations

50 Hz



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1. Product overview

Sololift2 for toilet applications

Sololift2 WC-1	Description	Technical data
 TM05 0866 1711	Suitable for pumping wastewater from a toilet or washbasin. Features: • Robust design for safe and trouble-free operation with high-performance pump and powerful cutter • ready to install • quick and easy installation • service-friendly design with dry motor unit • easy replacement using flexible connectors and adapters for discharge and inlets.	$H_{max.}$: 8.5 m. $Q_{max.}$: 149 l/min. Power consumption, P1: Max. 620 W. Discharge connection: ∅22/25/28/32/36/40. Main inlet connection: ∅100. Additional inlet connection at the top: 1 x ∅32/36/40.

Sololift2 WC-3	Description	Technical data
 TM04 9729 5010	Suitable for pumping wastewater from a toilet, washbasin, cabinet shower and a bidet or urinal. Features: • Robust design for safe and trouble-free operation with high-performance pump and powerful cutter • ready to install • quick and easy installation • service-friendly design with dry motor unit • easy replacement using flexible connectors and adapters for discharge and inlets.	$H_{max.}$: 8.5 m. $Q_{max.}$: 149 l/min. Power consumption, P1: Max. 620 W. Discharge connection: ∅22/25/28/32/36/40. Main inlet connection: ∅100. Additional inlet connections - at the top: 1 x ∅32/36/40 - on the left and right sides: 2 x ∅36/40/50.

Sololift2 CWC-3	Description	Technical data
 TM04 9730 5010	Suitable for pumping wastewater from a wall-hung toilet, washbasin, cabinet shower and a bidet or urinal. Features: • Slim design for front-wall installation • robust design for safe and trouble-free operation with high-performance pump and powerful cutter • quick and easy installation • service-friendly design with dry motor unit • easy replacement using flexible connectors and adapters for discharge and inlets.	$H_{max.}$: 8.5 m. $Q_{max.}$: 137 l/min. Power consumption, P1: Max. 620 W. Discharge connection: ∅22/25/28/32/36/40. Main inlet connection: ∅100. Additional inlet connections - at the top: 1 x ∅32/36/40 - on the left and right sides: 2 x ∅36/40/50.

Sololift2 for grey wastewater applications

Sololift2 C-3	Description	Technical data
 TM04 9731 5010	Suitable for pumping grey wastewater from a washing machine, dishwasher, bath tub, cabinet shower, washbasin or kitchen sink, or brine from water softeners. Features: • Slim design for front-wall installation • high-performance pump with 20 mm free passage for handling effluents up to 90 °C • ready to install • quick and easy installation • service-friendly design with dry motor unit • easy replacement using flexible connectors and adapters for discharge and inlets.	$H_{max.}$: 8.8 m. $Q_{max.}$: 204 l/min. Power consumption, P1: Max. 640 W. Discharge connection: ∅22/25/28/32/36/40. Main inlet connection: ∅100. Additional inlet connections - at the top: 1 x ∅32/36/40 - on the left and right sides: 2 x ∅36/40/50.

Sololift2 D-2	Description	Technical data
 TM04 9732 5010	Extremely compact variant for pumping grey wastewater from a washbasin, cabinet shower or bidet. Features: • Design for front-wall installation or installation in a cabinet • robust design for safe and trouble-free operation with high-performance pump with 10 mm free passage • ready to install • built-in non-return flap valve, venting valve with carbon filter and overflow protection • quick and easy installation • service-friendly design with dry motor unit.	$H_{max.}$: 5.5 m. $Q_{max.}$: 105 l/min. Power consumption, P1: Max. 280 W. Discharge connection: ∅22/32. Additional inlet connections on the left and right sides: 2 x ∅36/40/50.

Applications

For installations above sewer level, it is recommended to lead wastewater directly to the sewer by means of natural slope. In some cases, this is not possible or the cost of doing so bears no proportion to the benefit. Especially when it comes to renovation and modernisation, it may be difficult to establish a downward slope.

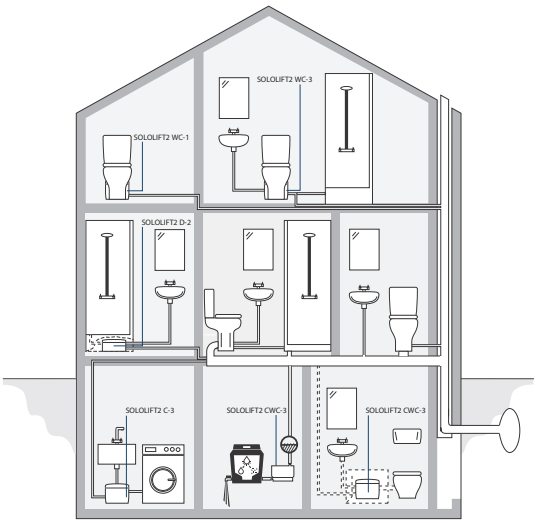
Any sanitary unit positioned below sewer level (backflow level) or far away from the main soil pipe can easily be drained by a Sololift2.

Sololift2 is suitable for pumping wastewater from places in private dwellings where it cannot be led directly to the main sewer by means of natural downward slope. The use of Sololift2 facilitates the installation of toilets, cabinet showers, washbasins or other facilities at basement, ground or loft level as it pumps the wastewater to the main soil pipe.

Sololift2 offers the opportunity of installing facilities such as cabinet showers and toilets at a distance from the main soil pipe without costly pipe installations.

Sololift2 can be used for the following:

- extra bathrooms in basements or attics
- basement installations of sanitary units below sewer level and also as excellent backflow protection from the main sewer
- low-cost bathrooms in holiday cottages
- added facilities in hotels and guest houses
- bathrooms for the elderly or the disabled
- renovation or modernisation of rest rooms in offices and other commercial buildings for a limited number of users according to EN 12050-3 (Sololift2 WC-1, WC-3, CWC-3) and EN 12050-2 (Sololift2 C-3, D-2).



TM05 0357 4115

Fig. 1 Examples of application

Functions

Wastewater from the units connected is led to the Sololift2 lifting station. The pump starts automatically when the liquid level reaches the start level and stops when the level has fallen to the stop level. The start and stop levels depend on the type of Sololift2. See technical data of the individual types.

The tank of all Grundfos Sololift2 lifting stations is made of composite with an easy-to-clean surface and inside chamfers to minimise sedimentation.

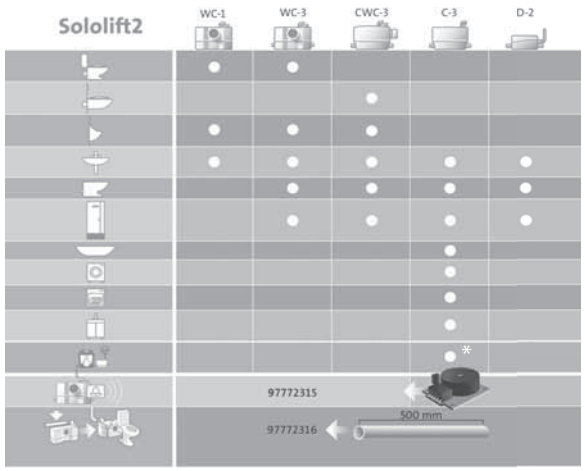
Installed correctly, Sololift2 works automatically. For higher safety requirements, alarm devices are available. See section Accessories for the individual type.

The design offers unique features and is focused on quick installation as well as easy and clean service. The lifting stations require very little maintenance. We recommend to check the tank regularly, depending on application and how frequently it is used.

Grundfos' high quality requirements ensure high robustness and long and trouble-free operation. The production is inspected by an external institute according to EN 12050-2/-3.

The individual Sololift2 lifting stations are described on these pages:

Sololift2 WC-1, page 6.
Sololift2 WC-3, page 10.
Sololift2 CWC-3, page 15.
Sololift2 C-3, page 19.
Sololift2 D-2, page 25.



TM05 0520 1211

Fig. 2 Overview of Sololift2 lifting stations

* The water softener application does not apply to 115 V, 60 Hz versions.

Marking and approvals

Description
Sololift2 units are CE-marked and have obtained the following approvals: • VDE • TÜV/LGA • EAC.
Marking
CE
Approvals
VDE LGA Type-tested and monitored guaranteed with tested quality EAC

2. Sololift2 WC-1

Sololift2 WC-1 is a small, compact, ready-to-install automatic lifting station with integrated powerful cutter system. It is suitable for pumping wastewater with faeces from private dwellings.

The unit is designed according to EN 12050-3.



TM05 0866 5015

Fig. 3 Sololift2 WC-1

Applications

Sololift2 WC-1 is suitable for pumping wastewater from a washbasin and a single toilet (with horizontal outlet according to EN 33/37) containing toilet paper and faeces.

Typical applications:

- Basement installations below sewer level.
- In connection with the renovation or modernisation of existing buildings where the location may be remote from the main soil pipe so that a natural slope cannot be established, for example attics.



TM05 0358 0911

Fig. 4 Example of application

Features and benefits

Robustness and operational reliability

- The powerful motor ensures optimum operational reliability, even when for instance feminine hygiene products are occasionally flushed down the toilet.

Easy installation and replacement

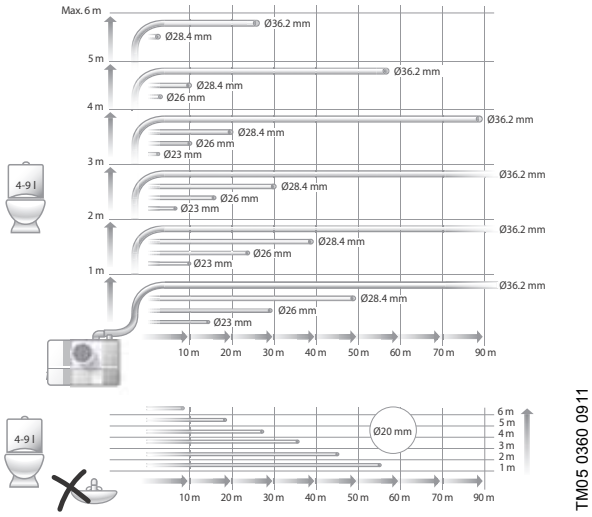
- Adjustable discharge and inlet connections ensure easy installation and replacement.

Easy maintenance and service

- The removable, compact pump-motor unit makes any service job a fast and clean matter.
- No need to disconnect discharge and inlet pipes or to remove the unit from behind the toilet.

Sizing guide

The unit is designed for flush volumes between 4 and 9 litres.



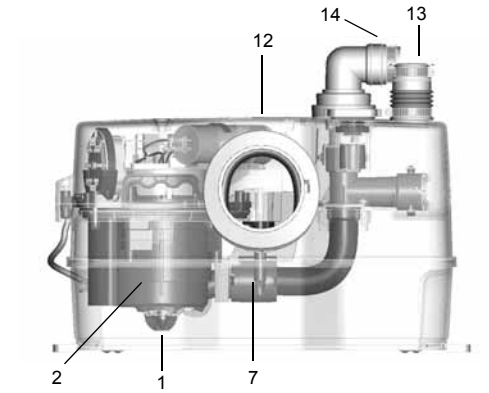
TM05 0360 0911

Fig. 5 Maximum lengths of vertical and horizontal discharge pipes

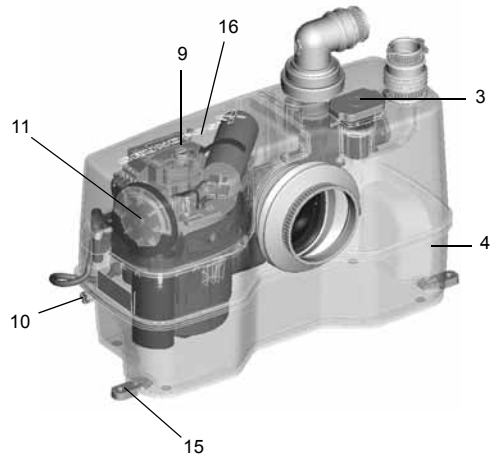
Figure 5 shows the maximum lengths of vertical and horizontal discharge pipes. The pipe length depends on the pipe diameter and is based on a flow velocity of 0.7 m/s. Four bends, a non-return valve and an isolating valve have already been taken into account.

Construction features

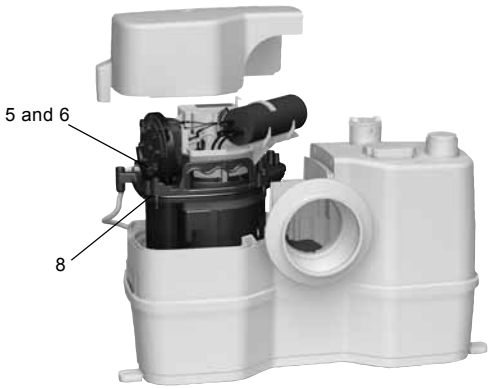
Sololift2 WC-1



TM05 0371 0911



TM05 0371 0911



TM05 0496 1111

Description

Pos.	Operational reliability
1	Cutter The powerful cutter's ability to easily handle feminine hygiene products or similar increases the reliability. The pump has self-venting valve for stable start.
2	Motor The powerful high-torque motor features motor protection via a thermal switch and automatic restart. Three shaft seals and an additional V-ring ensure long operational life.
3	Venting valve The venting valve has carbon filter and overflow protection. Possibility of connecting a vent pipe, for example over roof.
4	Tank Welded tank design which is pressure-tight up to 2.5 m water column.

Pos.	Easy maintenance and service
5	Access to components Design with dry motor for easy and clean service.
6	Compact block unit Pump, motor and controller form a compact block unit which is easy to remove for service and replacement. No need to disconnect the Sololift2 tank and connected pipes when service is required.
7	Auto coupling Self-adjusting auto coupling eases assembly.
8	Screws All important screws are captive screws, which facilitates service work.
9	Anti-blocking Manual anti-blocking function is accessible from outside with a screwdriver, i.e. no need to remove the cover. Remove a plug on top of the cover, insert the screwdriver, and turn the shaft.
10	Drain connection Separate tank drain function is available by connecting a drain hose.
11	Pressure switch Pressure switch control outside the tank, i.e. no moving parts and diaphragm in the wastewater.

Pos.	Easy installation and replacement
12	Dimensions Very compact dimensions. The position of discharge and inlet connections ensures easy replacement of Sololift+ and similar units of other makes. No extra work on pipes required.
13	Inlet Inlet connection at the top.
14	Discharge A turnable 360 ° adapter incorporating a non-return valve enables vertical or horizontal discharge direction for easy replacement.
15	Feet for floor-mounting Feet for floor-mounting are easy to install.
16	Alarm Slot for an alarm device. Easy retrofitting just by pushing a small printed-circuit board with buzzer into the slot. No additional wires required.

Visit the animation of Sololift2 features on www.grundfos.com or local Grundfos homepages.

Installation requirements

This section shows an installation example and describes the installation requirements. Installation is done quickly and easily by using flexible hose connectors with several adapter options for almost any pipe diameter.

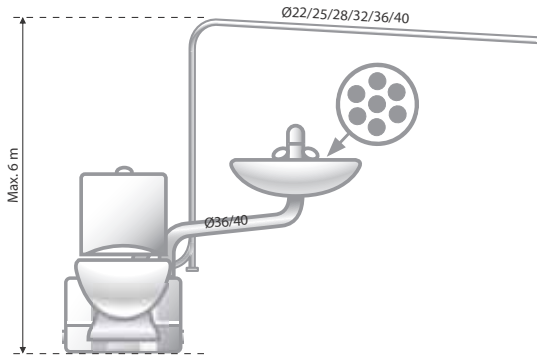


Fig. 6 Example of installation

Note: The first part of the discharge pipe should always be vertical. All horizontal pipes must have a fall of minimum 1 % to the main soil pipe.

The measurements in fig. 7 must be observed.

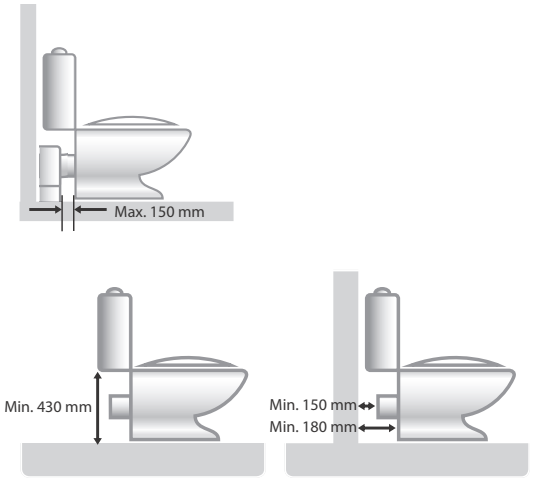


Fig. 7 Measurements to be observed

Sololift2 WC-1 must be installed directly behind the toilet and in the same room according to EN 12050-3. When a connecting piece is required, the maximum distance to the toilet must not exceed 150 mm.

Observe the minimum height and distances in fig. 7 to ensure that the unit is accessible for service.

Connections



Fig. 8 Horizontal or vertical discharge

The turnable 360 ° discharge adapter can be fitted horizontally or vertically. The adapter incorporates a non-return valve.

The discharge and inlet connections can be adapted to the following pipe diameters:

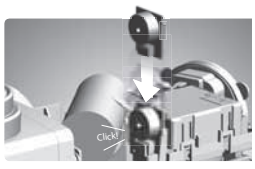
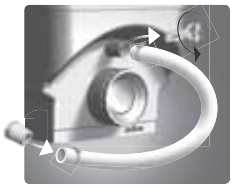
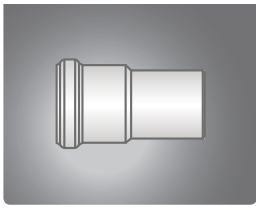
Connection	Outer diameter						
	Ø22	Ø25	Ø28	Ø32	Ø36[1)]	Ø40	Ø50
Discharge	•	•	•	•	(•)	•	-
Inlet at the top	-	-	-	•	(•)	•	-

1) Two adapters included for UK version. Also available as accessories.

Product numbers

Product	Plug	Sales region	Prod. No
Sololift2 WC-1	Schuko	Europe	97775314
	Schuko	Russia	97775319
	AUS	Australia	97775324
	No plug	UK	97775329

Accessories

Product	Description	Prod. No
Alarm device  TM05 0367 0911	Acoustic alarm in case of malfunction. Printed-circuit board to be pushed into an internal slot in Sololift2 WC-1.	97772315
Replacement hose  TM05 0377 1111	Flexible PVC hose with two clamps and an adapter for the discharge of Sololift2. Dimensions: • Length: 500 mm. • Inner diameter: ∅32. • Outer diameter: ∅38.	97772316
Drain hose  TM05 0370 0911	Flexible PVC hose with two clamps and a plug. Applicable when the Sololift2 tank is to be drained for service. Dimensions: • Length: 500 mm. • Inner diameter: ∅12. • Outer diameter: ∅14.4.	97789093
Adapter ring, ∅36  TM05 0379 0911	Kit, adapter ∅36 UK Suitable for discharge and inlet connections. **Note:** The adapter is included in the UK version.	97775336
Connecting pipe  TM06 1041 1514	Connecting pipe for toilet: 250 mm, DN 90 Connecting pipe for toilet: 160 mm, DN 90	98162129 98162133

Technical data

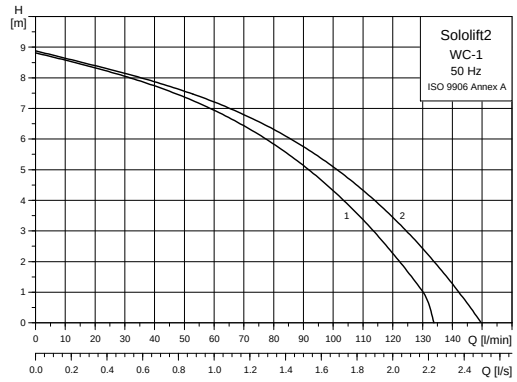
Mechanical data

Net weight	7.3 kg
Tank volume	9.0 litres
Flexible discharge elbow	∅22/25/28/32/36/40
Toilet connection	Toilet with horizontal ∅100 outlet according to EN 33 / EN 37.
Dimensions of possible inlet	1 x ∅32/36/40
Start and stop levels	Start: 72 mm above floor level Stop: 52 mm above floor level
pH value of the pumped liquid	4-10
Maximum liquid temperature	50 °C
Ambient temperature	5-35 °C
Noise level	< 70 dB(A) to 12050-2
Duty class	S3-50 % - 1 min. (30 sec. on; 30 sec. off)

Electrical data

Supply voltage	1 x 220-240 V - 10 %/+ 6 %, 50 Hz
Power consumption, P1	Max. 620 W
Rated current	3.0 A
Power factor, cos φ	0.87 / 0.92
Speed	2800 min^{-1}
Enclosure class	IP44
Insulation class	F
Connecting cable	1.2 m, 0.75 mm^2 (H05VV-F-3G)

Performance



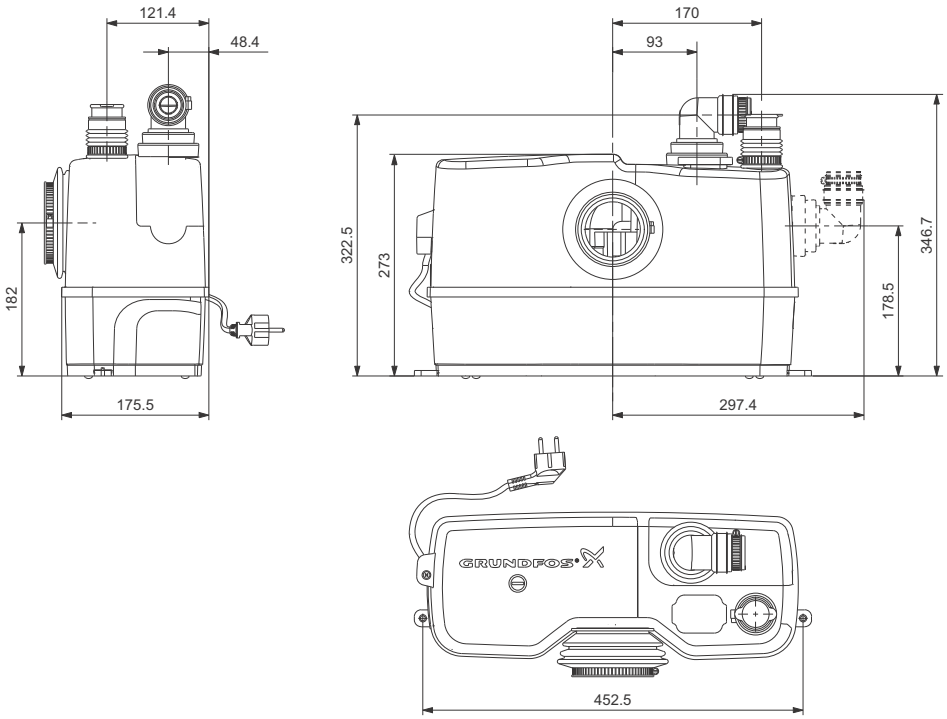
TM04 9877 0211

Fig. 9 Performance curves, Sololift2 WC-1

Legend

Pos.	Description
1	Horizontal outlet
2	Vertical outlet

Dimensions



TM04 9914 0311

Fig. 10 Dimensional drawings, Sololift2 WC-1

3. Sololift2 WC-3

Sololift2 WC-3 is a small, compact, ready-to-install automatic lifting station with integrated powerful cutter system. It is suitable for pumping wastewater with faeces from private dwellings.

The unit is designed according to EN 12050-3.



TM04 9729 5015

Fig. 11 Sololift2 WC-3

Applications

Sololift2 WC-3 is suitable for pumping wastewater from a single toilet (with horizontal outlet according to EN 33/37) containing toilet paper and faeces, a washbasin, cabinet shower and a bidet or urinal.

Typical applications:

- Basement installations below sewer level.
- In connection with the renovation or modernisation of existing buildings where the location may be remote from the main soil pipe so that a natural slope cannot be established, for example attics.



TM05 0372 0911

Fig. 12 Example of application

Features and benefits

Robustness and operational reliability

- The powerful motor ensures optimum operational reliability, even when for instance feminine hygiene products are occasionally flushed down the toilet.

Easy installation and replacement

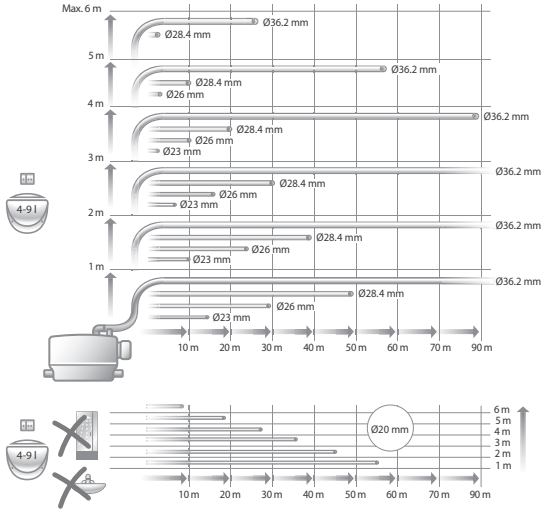
- Adjustable discharge and inlet connections ensure easy installation and replacement.

Easy maintenance and service

- The removable, compact pump-motor unit makes any service job a fast and clean matter.
- No need to disconnect discharge and inlet pipes or to remove the unit from behind the toilet.

Sizing guide

The unit is designed for flush volumes between 4 and 9 litres.



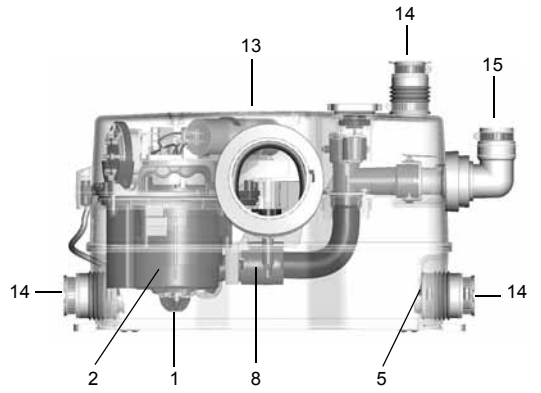
TM05 0374 0911

Fig. 13 Maximum lengths of vertical and horizontal discharge pipes

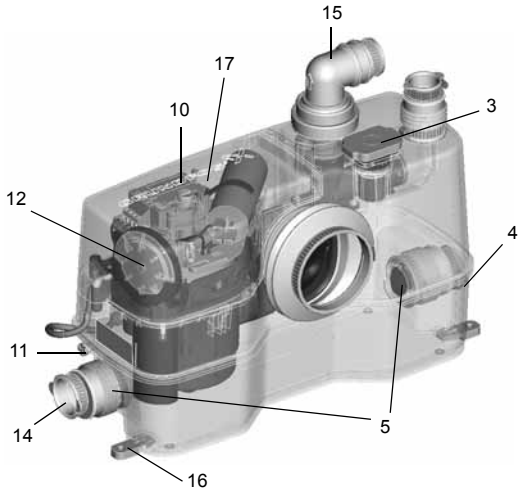
Figure 13 shows the maximum lengths of vertical and horizontal discharge pipes. The pipe length depends on the pipe diameter and is based on a flow velocity of 0.7 m/s. Four bends, a non-return valve and an isolating valve have already been taken into account.

Construction features

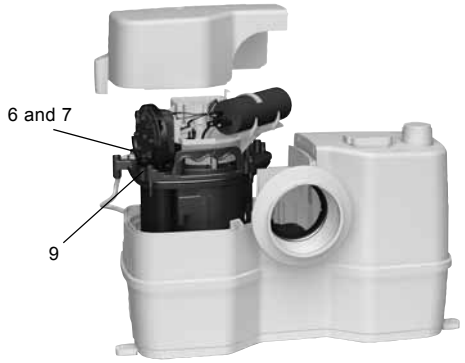
Sololift2 WC-3



TM05 0480 1111



TM05 0507 1111



TM05 0506 1111

Description

Pos.	Operational reliability
1	Cutter The powerful cutter's ability to easily handle feminine hygiene products or similar increases the reliability. The pump has self-venting valve for stable start.
2	Motor The powerful high-torque motor features motor protection via a thermal switch and automatic restart. Three shaft seals and an additional V-ring ensure long operational life.
3	Venting valve The venting valve has carbon filter and overflow protection. Possibility of connecting a vent pipe, for example over roof.
4	Tank Welded tank design which is pressure-tight up to 2.5 m water column.
5	Non-return valves Non-return valves prevent back- and cross-flow to inlet pipes.
Pos.	**Easy maintenance and service**
6	Access to components Design with dry motor for easy and clean service.
7	Compact block unit Pump, motor and controller form a compact block unit which is easy to remove for service and replacement. No need to disconnect the Sololift2 tank and connected pipes when service is required.
8	Auto coupling Self-adjusting auto coupling eases assembly.
9	Screws All important screws are captive screws, which facilitates service work.
10	Anti-blocking Manual anti-blocking function is accessible from outside with a screwdriver, i.e. no need to remove the cover. Remove a plug on top of the cover, insert the screwdriver, and turn the shaft.
11	Drain connection Separate tank drain function is available by connecting a drain hose.
12	Pressure switch Pressure switch control outside the tank, i.e. no moving parts and diaphragm in the wastewater.
Pos.	**Easy installation and replacement**
13	Dimensions Very compact dimensions. The position of discharge and inlet connections ensures easy replacement of Sololift+ and similar units of other makes. No extra work on pipes required.
14	Inlet Eccentric, height-adjustable connectors for side inlets, i.e. in addition to the inlet at the top of the tank.
15	Discharge A turnable 360 ° adapter incorporating a non-return valve enables vertical or horizontal discharge direction for easy replacement.
16	Feet for floor-mounting Feet for floor-mounting are easy to install.
17	Alarm Slot for an alarm device. Easy retrofitting just by pushing a small printed-circuit board with buzzer into the slot. No additional wires required.

Visit the animation of Sololift2 features on www.grundfos.com or local Grundfos homepages.

Installation requirements

This section shows an installation example and describes the installation requirements. Installation is done quickly and easily by using flexible hose connectors with several adapter options for almost any pipe diameter.

The start/stop levels are made for the modern flat shower trays.

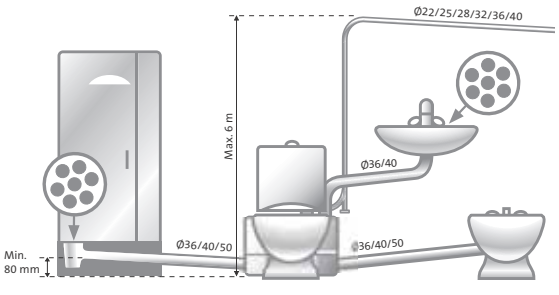


Fig. 14 Example of installation

Note: The first part of the discharge pipe should preferably be vertical. All horizontal pipes must have a fall of minimum 1 % to the main soil pipe.

The distances in fig. 15 must be observed.

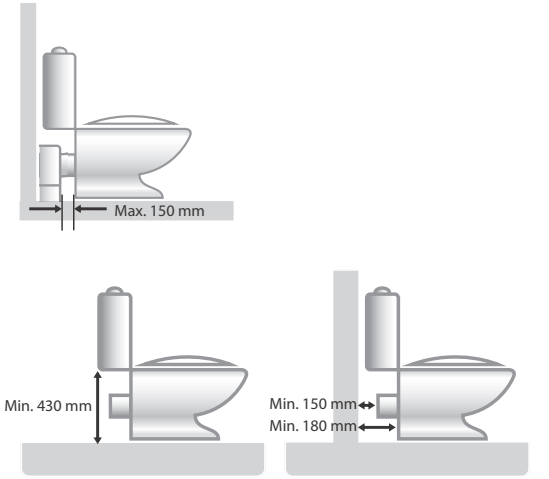


Fig. 15 Distances to be observed

Sololift2 WC-3 must be installed directly behind the toilet and in the same room according to EN 12050-3. When a connecting piece is required, the maximum distance to the toilet must not exceed 150 mm.

Observe the minimum height and distances in fig. 15 to ensure that the unit is accessible for service.

Connections



Fig. 16 Horizontal or vertical discharge

The turnable 360 ° discharge adapter can be fitted horizontally or vertically. The adapter incorporates a non-return valve.

The discharge and inlet connections can be adapted to the following pipe diameters:

Connection	Outer diameter						
	Ø22	Ø25	Ø28	Ø32	Ø36[1)]	Ø40	Ø50
Discharge	•	•	•	•	(•)	•	-
Inlet at the top	-	-	-	•	(•)	•	-
Inlet from side[2)]	-	-	-	-	(•)	•	•

1) Two adapters included for UK version. Also available as accessories.

2) One connector is included. Further connectors available as accessories.

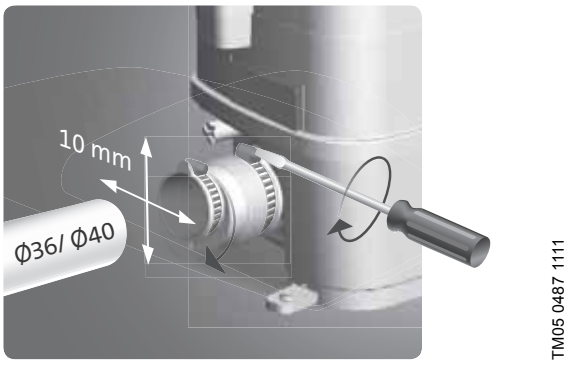
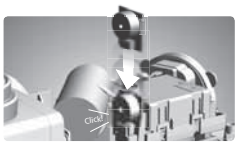
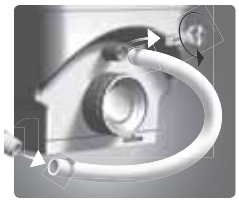
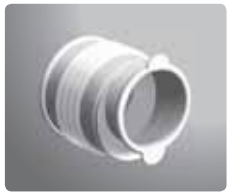
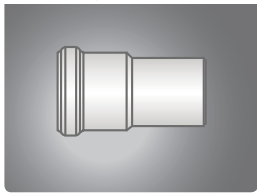


Fig. 17 Height and side alignment possible when using ∅36/40 inlet pipes

Product numbers

Product	Plug	Sales region	Prod. No
Sololift2 WC-3	Schuko	Europe	97775315
	Schuko	Russia	97775320
	AUS	Australia	97775325
	No plug	UK	97775330

Accessories

Product		Description	Prod. No
Alarm device	 TM05 0367 0911	Acoustic alarm in case of malfunction. Printed-circuit board to be pushed into an internal slot in Sololift2 WC-3.	97772315
Replacement hose	 TM05 0377 1111	Flexible PVC hose with two clamps and an adapter for the discharge of Sololift2. Dimensions: • Length: 500 mm. • Inner diameter: ∅32. • Outer diameter: ∅38.	97772316
Drain hose	 TM05 0370 0911	Flexible PVC hose with two clamps and a plug. Applicable when the Sololift2 tank is to be drained for service. Dimensions: • Length: 500 mm. • Inner diameter: ∅12. • Outer diameter: ∅14.4.	97789093
Adapter kit, inlet	 TM05 0378 0911	Kit, second inlet ∅50/ 50/40	97775335
Adapter ring, ∅36	 TM05 0379 0911	Kit, adapter ∅36 UK Suitable for discharge and inlet connections. **Note:** The adapter is included in the UK version.	97775336
Connecting pipe	 TM06 1041 1514	Connecting pipe for toilet: 250 mm, DN 90 Connecting pipe for toilet: 160 mm, DN 90	98162129 98162133

Technical data

Mechanical data

Net weight	7.3 kg
Tank volume	9.0 litres
Flexible discharge elbow	∅22/25/28/32/36/40
Toilet connection	Toilet with horizontal ∅100 outlet according to EN 33 / EN 37.
Dimensions of possible inlet	1 x ∅32/36/40 2 x ∅36/40/50 in the side
Start and stop levels	Start: 72 mm above floor level Stop: 52 mm above floor level
pH value of the pumped liquid	4-10
Maximum liquid temperature	50 °C
Ambient temperature	5-35 °C
Noise level	< 70 dB(A) to 12050-2
Duty class	S3-50 % - 1 min. (30 sec. on; 30 sec. off)

Electrical data

Supply voltage	1 x 220-240 V - 10 %/+ 6 %, 50 Hz
Power consumption, P1	Max. 620 W
Rated current	3.0 A
Power factor, cos φ	0.87 / 0.92
Speed	2800 min^{-1}
Enclosure class	IP44
Insulation class	F
Connecting cable	1.2 m, 0.75 mm^2 (H05VV-F-3G)

Performance

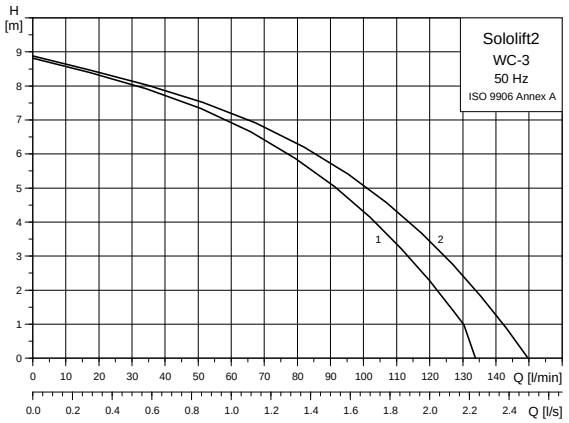


Fig. 18 Performance curves, Sololift2 WC-3

Legend

Pos.	Description
1	Horizontal outlet
2	Vertical outlet

Dimensions

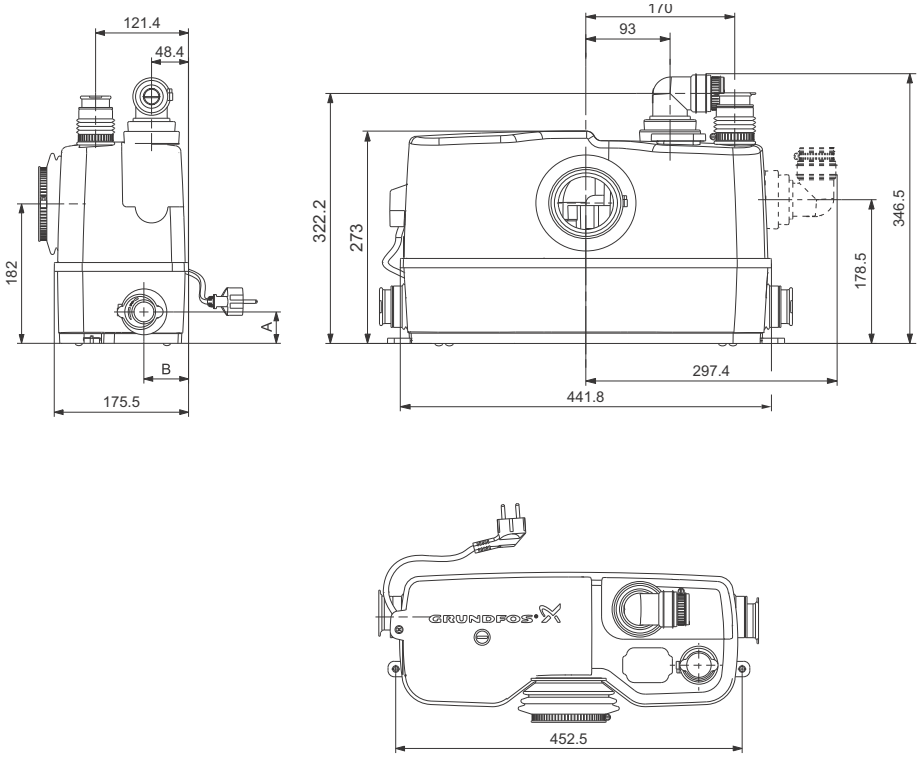


Fig. 19 Dimensional drawings, Sololift2 WC-3

Pipe diameter	Type	A [mm]		B [mm]	
		Min.	Max.	Min.	Max.
∅36/40	Eccentric	36	46	53	63
∅50	Centric	41		58	

4. Sololift2 CWC-3

Sololift2 CWC-3 is a slim, compact, ready-to-install automatic lifting station with integrated powerful cutter system. It is suitable for pumping wastewater with faeces from private dwellings.

The unit is designed according to EN 12050-3 and is specially designed for front-wall installations.



TM04 9730 5010

Fig. 20 Sololift2 CWC-3

Applications

Sololift2 CWC-3 is suitable for pumping wastewater from a single wall-hung toilet containing toilet paper and faeces, washbasin, cabinet shower and a bidet or urinal.

Typical applications:

- Basement installations below sewer level.
- In connection with the renovation or modernisation of existing buildings where the location may be remote from the main soil pipe so that a natural slope cannot be established, for example attics.



TM05 0381 0911

Fig. 21 Example of application

Features and benefits

Robustness and operational reliability

- The powerful motor ensures optimum operational reliability, even when for instance feminine hygiene products are occasionally flushed down the toilet.

Easy installation and replacement

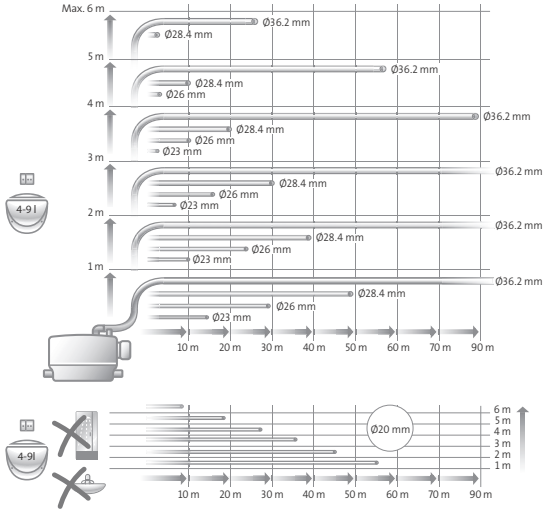
- Adjustable discharge and inlet connections ensure easy installation and replacement.

Easy maintenance and service

- The removable, compact pump-motor unit makes any service job a fast and clean matter.
- No need to disconnect discharge and inlet pipes or to remove the unit from behind the toilet.

Sizing guide

The unit is designed for flush volumes between 4 and 9 litres.



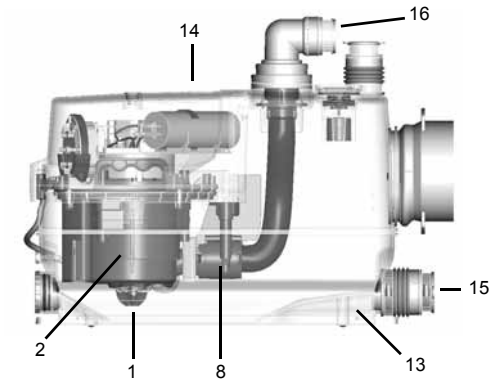
TM05 0383 0911

Fig. 22 Maximum lengths of vertical and horizontal discharge pipes

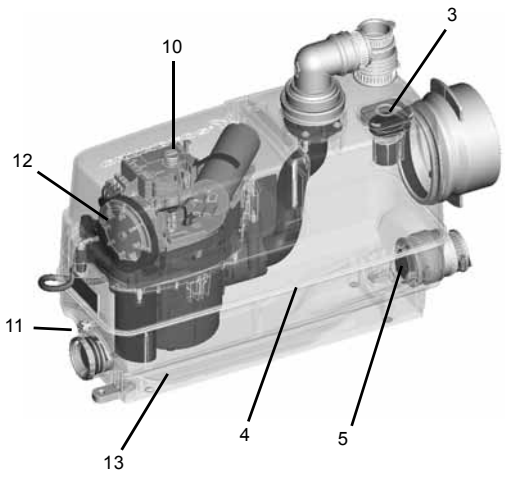
Figure 22 shows the maximum lengths of vertical and horizontal discharge pipes. The pipe length depends on the pipe diameter and is based on a flow velocity of 0.7 m/s. Four bends, a non-return valve and an isolating valve have already been taken into account.

Construction features

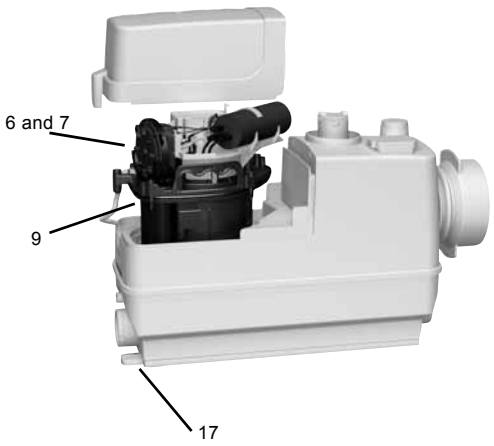
Sololift2 CWC-3



TM05 0489 1111



TM05 0490 1111



TM05 0855 1711

Description

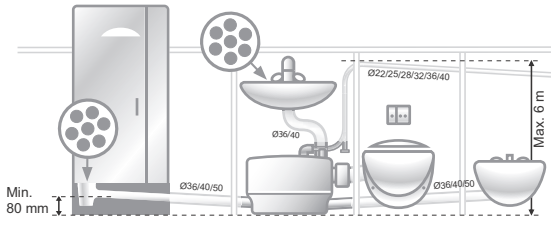
Pos.	Operational reliability
1	Cutter The powerful cutter's ability to easily handle feminine hygiene products or similar increases the reliability. The pump has self-venting valve for stable start.
2	Motor The powerful high-torque motor features motor protection via a thermal switch and automatic restart. Three shaft seals and an additional V-ring ensure long operational life.
3	Venting valve Venting valve with carbon filter and overflow protection. Possibility of connecting a vent pipe, for example over roof.
4	Tank Welded tank design which is pressure-tight up to 2.5 m water column.
5	Non-return valves Non-return valves prevent back- and cross-flow to inlet pipes.
Pos.	**Easy maintenance and service**
6	Access to components Design with dry motor for easy and clean service.
7	Compact block unit Pump, motor and controller form a compact block unit which is easy to remove for service and replacement. No need to disconnect the Sololift2 tank and connected pipes when service is required.
8	Auto coupling Self-adjusting auto coupling eases assembly.
9	Screws All important screws are captive screws, which facilitates service work.
10	Anti-blocking Manual anti-blocking function is accessible from outside with a screwdriver, i.e. no need to remove the cover. Remove a plug on top of the cover, insert the screwdriver, and turn the shaft.
11	Drain connection Separate tank drain function is available by connecting a drain hose.
12	Pressure switch Pressure switch control outside the tank, i.e. no moving parts and diaphragm in the wastewater.
13	Bottom Bottom design with strong chamfer to prevent sedimentation in corners.
Pos.	**Easy installation and replacement**
14	Slim design Slim design for front-wall installation with a wall-hung toilet.
15	Inlet Eccentric, height-adjustable connectors for side inlets, i.e. in addition to the inlet at the top of the tank.
16	Discharge Horizontal 360 ° turnable discharge incorporating a non-return valve.
17	Feet for floor-mounting Feet for floor-mounting are easy to install.

Visit the animation of Sololift2 features on www.grundfos.com or local Grundfos homepages.

Installation requirements

This section shows an installation example and describes the installation requirements. Installation is done quickly and easily by using flexible hose connectors with several adapter options for almost any pipe diameter.

The start/stop levels are made for the modern flat shower trays.

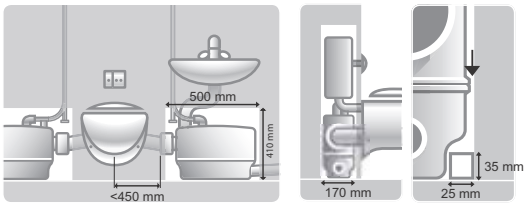


TM05 0384 0911

Fig. 23 Example of installation

Note: The first part of the discharge pipe should preferably be vertical. All horizontal pipes must have a fall of minimum 1 % to the main soil pipe.

The measurements in fig. 24 must be observed.



TM05 0385 0911

Fig. 24 Measurements to be observed

Sololift2 CWC-3 must be installed as close as possible (< 450 mm) to the wall-hung toilet in a front-wall installation or similar according to EN 12050-3.

Observe the minimum width of front wall and tile frame sizes in fig. 24 to ensure that the unit is accessible for service.

Connections

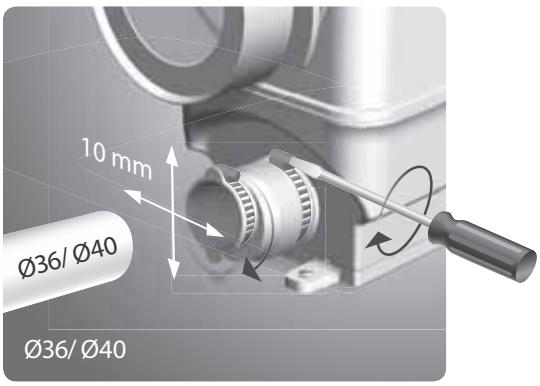
The turnable 360 ° discharge adapter can be fitted horizontally or vertically. The adapter incorporates a non-return valve.

The discharge and inlet connections can be adapted to the following pipe diameters:

Connection	Outer diameter						
	Ø22	Ø25	Ø28	Ø32	Ø36[1)]	Ø40	Ø50
Discharge	●	●	●	●	(●)	●	-
Inlet at the top	-	-	-	-	(●)	●	-
Inlet from side[2)]	-	-	-	-	(●)	●	●

1) Two adapters included for UK version. Also available as accessories.

2) One connector is included. Further connectors available as accessories.



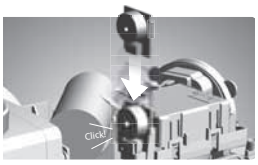
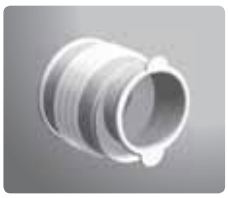
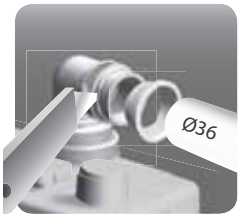
TM05 0504 1111

Fig. 25 Height and side alignment possible when using ∅36/40 inlet pipes

Product numbers

Product	Plug	Sales region	Prod. No
Sololift2 CWC-3	Schuko	Europe	97775316
	Schuko	Russia	97775321
	AUS	Australia	97775326
	No plug	UK	97775331

Accessories

Product		Description	Prod. No
Alarm device	 TM05 0367 1111	Acoustic alarm in case of malfunction. Printed-circuit board to be pushed into an internal slot in Sololift2 CWC-3.	97772315
Replacement hose	 TM05 0377 1111	Flexible PVC hose with two clamps and an adapter for the discharge of Sololift2. Dimensions: • Length: 500 mm. • Inner diameter: ∅32. • Outer diameter: ∅38.	97772316
Adapter kit, inlet	 TM05 0378 0911	Kit, second inlet ∅50/ 40/40	97775335
Adapter ring, ∅36	 TM05 0379 0911	Kit, adapter ∅36 UK Suitable for discharge and inlet connections. **Note:** The adapter is included in the UK version.	97775336

Technical data

Mechanical data

Net weight	7.1 kg
Tank volume	9.0 litres
Flexible discharge elbow	∅22/25/28/32/36/40
Toilet connection	Toilet with horizontal ∅100 outlet according to EN 33 / EN 37.
Dimensions of possible inlet	1 x ∅32/36/40 on the top 2 x ∅36/40/50 in the side
Start and stop levels	Start: 72 mm above floor level Stop: 52 mm above floor level
pH value of the pumped liquid	4-10
Maximum liquid temperature	50 °C
Ambient temperature	5-35 °C
Noise level	< 70 dB(A) to 12050-2
Duty class	S3-50 % - 1 min. (30 sec. on; 30 sec. off)

Electrical data

Supply voltage	1 x 220-240 V - 10 %/+ 6 %, 50 Hz
Power consumption, P1	Max. 620 W
Rated current	3.0 A
Power factor, cos φ	0.87 / 0.92
Speed	2800 min^{-1}
Enclosure class	IP44
Insulation class	F
Connecting cable	1.2 m, 0.75 mm^2 (H05VV-F-3G)

Performance

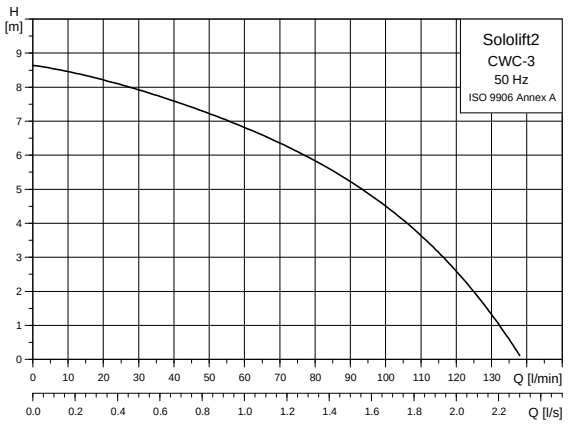


Fig. 26 Performance curves, Sololift2 CWC-3

Dimensions

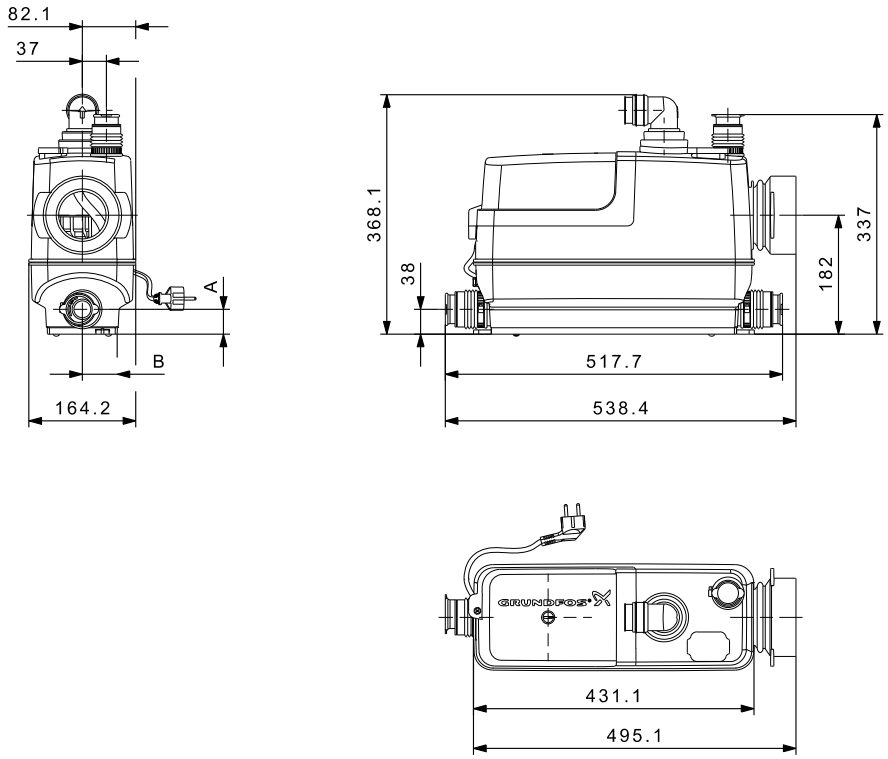


Fig. 27 Dimensional drawings, Sololift2 CWC-3

Pipe diameter	Type	A [mm]		B [mm]	
		Min.	Max.	Min.	Max.
∅36/40	Eccentric	32	42	49	59
∅50	Centric	37		54	

5. Sololift2 C-3

Sololift2 C-3 is a small, compact, ready-to-install automatic lifting station. It is suitable for pumping grey wastewater without faeces from any kind of building.

The unit is designed according to EN 12050-2.



TM04 9731 5010

Fig. 28 Sololift2 C-3

Applications

Sololift2 C-3 is suitable for pumping grey wastewater from a washing machine, dishwasher, bath tub, cabinet shower, washbasin or kitchen sink. Sololift C-3 can also handle brine from water softeners. The unit is designed for front-wall installations. The professional design enables handling of wastewater at temperatures up to 75 °C during continuous operation and up to 90 °C for up to 30 minutes.

Typical applications:

- Basement installations below sewer level.
- In connection with the renovation or modernisation of existing buildings where the location may be remote from the main soil pipe so that a natural slope cannot be established, for example attics.



TM05 0388 0911

Fig. 29 Example of application

Features and benefits

Robustness and operational reliability

- The powerful motor ensures optimum operational reliability when pumping grey wastewater at temperatures up to 90 °.
- A higher grade of stainless steel components allows to discharge brine from water softeners at no additional cost.

Easy installation and replacement

- Height-adjustable discharge and inlet connections ensure easy installation and replacement.
- Two selectable levels fit any application, and the slim design enables installation in confined spaces.

Easy maintenance and service

- The removable, compact pump-motor unit makes any service job a fast and clean matter.
- No need to disconnect discharge and inlet pipes or to remove the unit for service.

Sizing guide

As Sololift2 C-3 is used with several combinations of units, it is necessary to consider the maximum performance of the unit in relation to different discharge pipe diameters at a minimum self-cleaning velocity of 0.7 m/s.

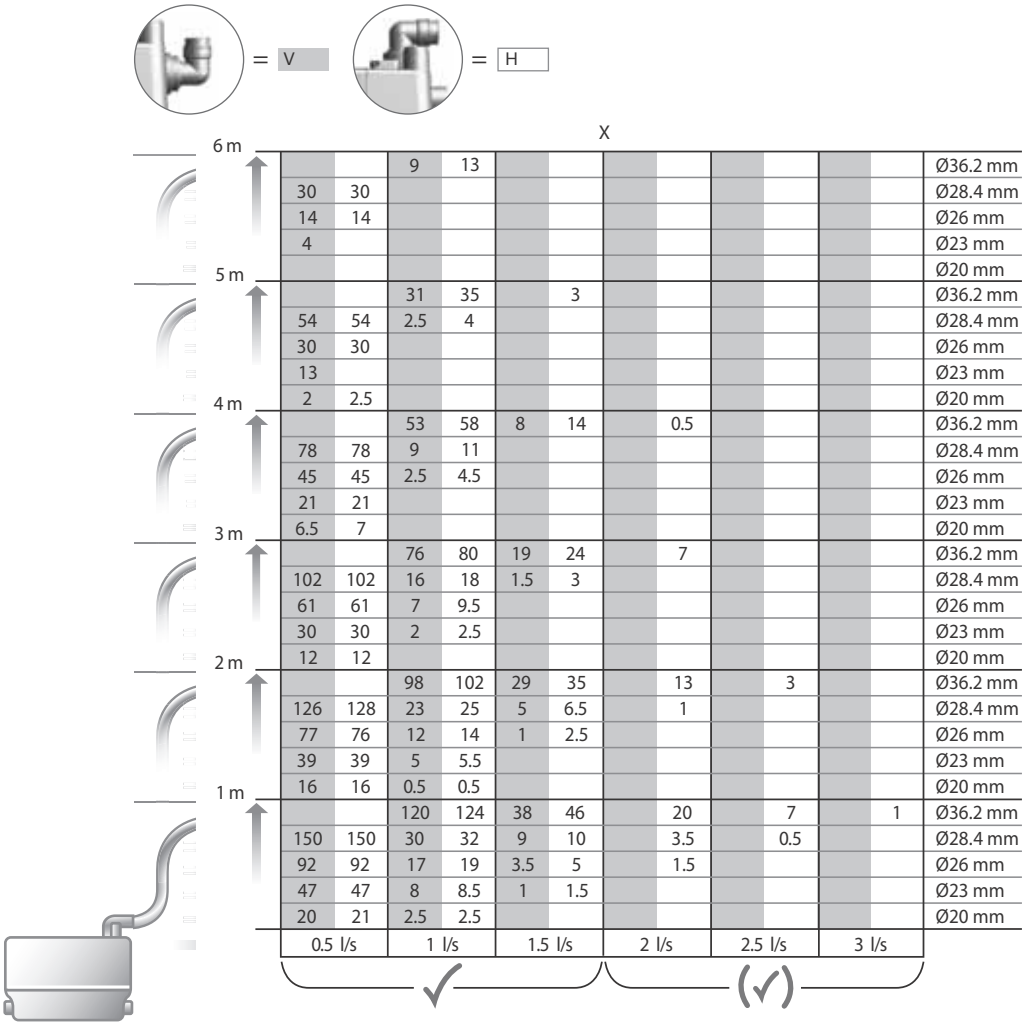
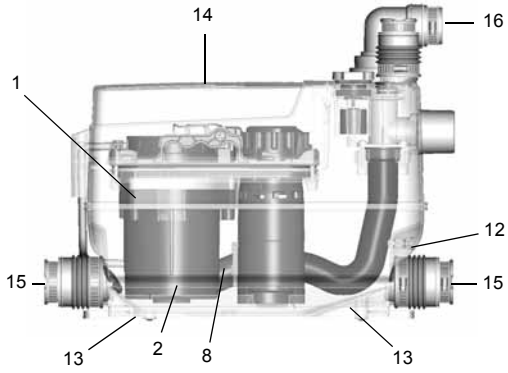
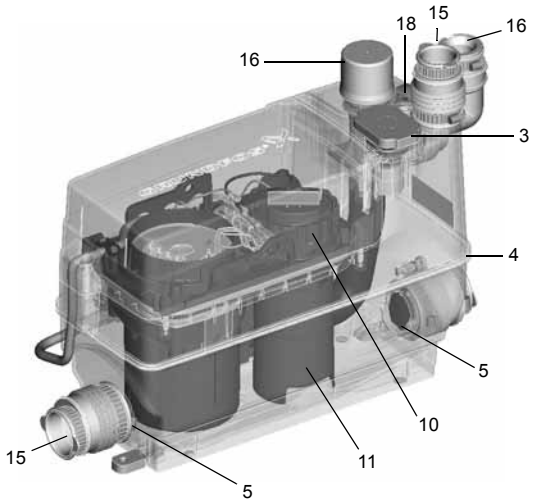
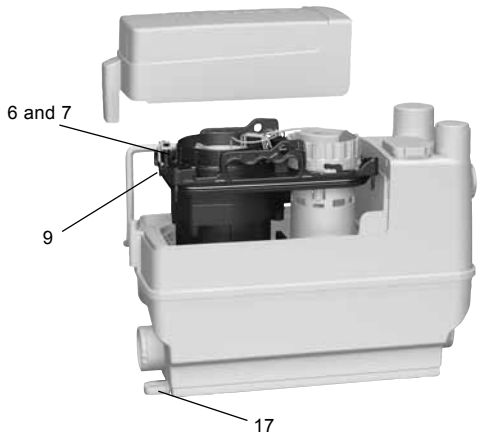


Fig. 30 Pipe length and height in relation to inner pipe diameter and required discharge capacity

Figure 30 shows the maximum lengths and heights of discharge pipes in metres in relation to inner pipe diameter and discharge capacity of the unit. To ensure optimum operation, the total inflow must not exceed the discharge capacity stated in the table, depending on pipe diameter, height and length. Four bends, a non-return valve and an isolating valve have already been taken into account.

If the discharge capacity exceeds 1.5 l/s, the noise level may increase. We recommend to choose a pipe diameter that ensures a discharge capacity below 1.5 l/s, if possible, when no discharge capacity above 1.5 l/s is required.

Construction features

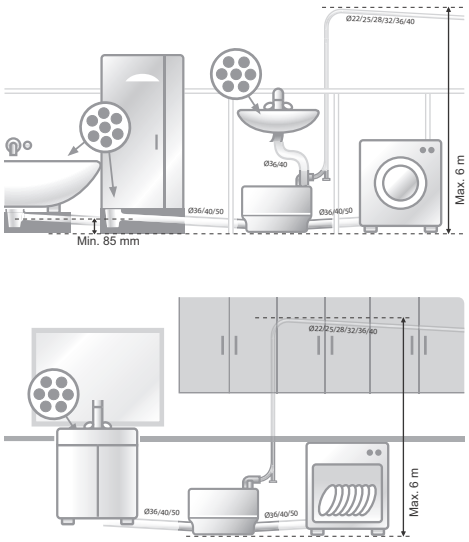
Sololift2 C-3	Description	
 TM05 0494 1111	**Pos.**	**Operational reliability**
	1	Motor The powerful motor enables pumping of grey wastewater at temperatures up to 90 °C from domestic and commercial washing machines and dishwashers. Motor protection by thermal switch with automatic restart. Three shaft seals and an additional V-ring ensure long operational life.
	2	Free passage Vortex pump with a free passage of 20 mm and internal self-venting valve for stable start.
	3	Venting valve Venting valve with carbon filter and overflow protection. Possibility of connecting a vent pipe, for example over roof.
	4	Tank Welded tank design which is pressure-tight up to 2.5 m water column.
	5	Non-return valves Non-return valves prevent back- and cross-flow to inlet pipes.
 TM05 0487 1111	**Pos.**	**Easy maintenance and service**
	6	Access to components Design with dry motor for easy and clean service.
	7	Compact block unit Pump, motor and controller form a compact block unit which is easy to remove for service and replacement. No need to disconnect the Sololift2 tank and connected pipes when service is required.
	8	Auto coupling Self-adjusting auto coupling eases assembly.
	9	Screws All important screws are captive screws, which facilitates service work.
	10	Level switch The level switch can be removed without getting into contact with the inside of the tank.
	11	Two start levels Two start levels available, i.e. a low start level which is suitable for modern flat shower trays and a higher start level which is suitable for the inflow from a washing machine or bath tub.
	12	Drain connection Separate tank drain function is available by connecting a drain hose.
	13	Bottom Bottom design with strong chamfer to prevent sedimentation in corners.
 TM05 0495 1111	**Pos.**	**Easy installation and replacement**
	14	Dimensions Very compact dimensions. The position of discharge and inlet connections ensures easy replacement of Sololift+ and similar units of other makes. No extra work on pipes required.
	15	Inlet Eccentric, height-adjustable connectors for side inlets, i.e. in addition to the inlet at the top of the tank.
	16	Discharge A turnable 360 ° adapter incorporating a non-return valve enables vertical or horizontal discharge direction for easy replacement.
	17	Feet for floor-mounting Feet for floor-mounting are easy to install.
	18	Pre-fabricated plug for installation of an optional alarm float switch. Can also be retrofitted.

Visit the animation of Sololift2 features on www.grundfos.com or local Grundfos homepages.

Installation requirements

This section shows installation examples and describes the installation requirements. Installation is done quickly and easily by using flexible hose connectors with several adapter options for almost any pipe diameter.

The start/stop levels are made for the modern flat shower trays.

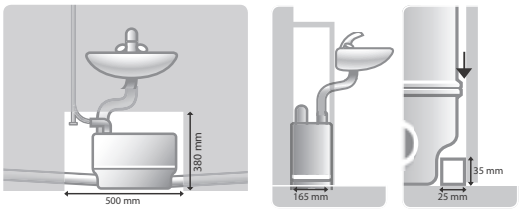


TM05 0392 0911

Fig. 31 Examples of installation

Note: The first part of the discharge pipe should preferably be vertical. All horizontal pipes must have a fall of minimum 1 % to the main soil pipe.

The measurements in fig. 32 must be observed.



TM05 0393 0911

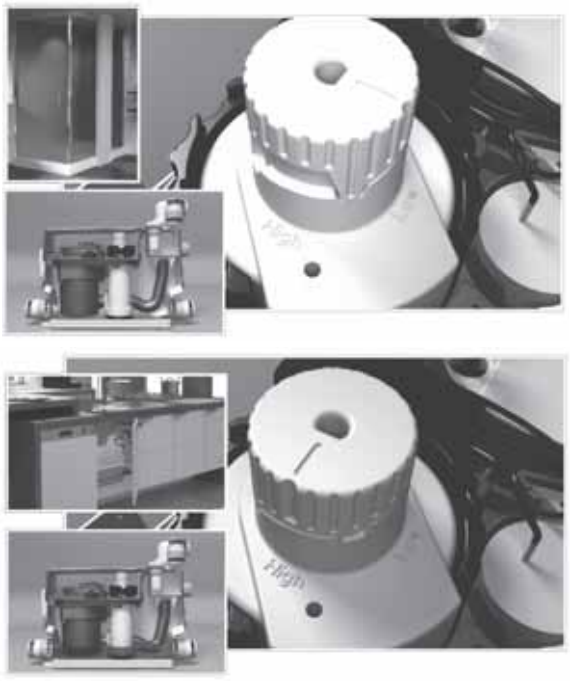
Fig. 32 Measurements to be observed

When the unit is located inside a wall or in a floor unit, observe the minimum measurements to ensure that the unit can be inspected and is accessible for service.

To increase the pump performance for larger inflow from a washing machine, dishwasher or bath tub, the float switch can be adjusted to a higher start level by turning the knob on top of the flow switch. See fig. 33.

Flow switch setting	Start level [mm]
Low	65 mm
High	115 mm

The float switch can also be removed for inspection and cleaning, if necessary.



TM06 5527 4815 - TM06 5527 4815

Fig. 33 Adjustment of the float switch

Connections



TM05 0363 0911

Fig. 34 Horizontal or vertical discharge

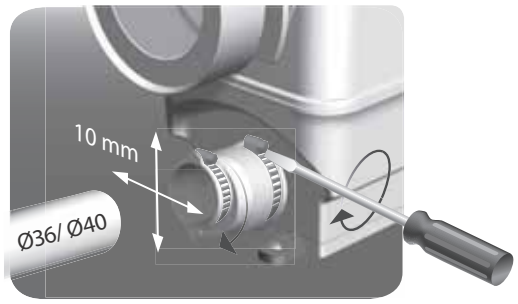
The turnable 360 ° discharge adapter can be fitted horizontally or vertically. The adapter incorporates a non-return valve.

The discharge and inlet connections can be adapted to the following pipe diameters:

Connection	Outer diameter						
	Ø22	Ø25	Ø28	Ø32	Ø36[1)]	Ø40	Ø50
Discharge	●	●	●	●	(●)	●	-
Inlet at the top	-	-	-	●	(●)	●	-
Inlet from side[2)]	-	-	-	-	(●)	●	●

1) Two adapters included for UK version. Also available as accessories.

2) One connector is included. Further connectors available as accessories.



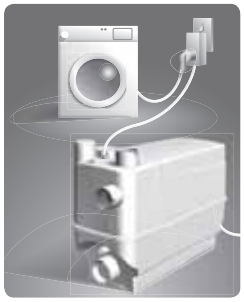
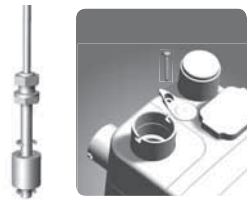
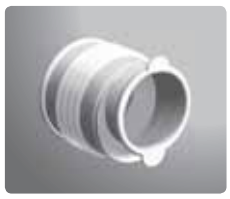
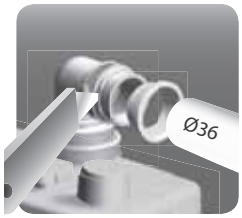
TM05 0376 0911

Fig. 35 Height and side alignment possible when using ∅36/40 inlet pipes

Product numbers

Product	Plug	Sales region	Prod. No
Sololift2 C-3	Schuko	Europe	97775317
	Schuko	Russia	97775322
	AUS	Australia	97775327
	No plug	UK	97775332

Accessories

Product	Description	Prod. No
Alarm device, LC A2  TM05 0397 0911	Alarm device with an integrated Schuko socket and plug to stop a washing machine or dishwasher in case of backflow in Sololift2 and/or to send an audible alarm. $I_{max.}$ = 16 A Power supply: 230 V, 50 Hz. Potential-free contact: 3 A, 250 VAC or 30 VDC. Buzzer: 97 dB(A)/1 m. Dimensions: 140 x 60 x 90 mm.	97775338
Float switch  TM05 0398 0911	Magnetic float switch for the LC A2 alarm device. Cable length: 10 m.	97775337
Replacement hose  TM05 0377 1111	Flexible PVC hose with two clamps and an adapter for the discharge of Sololift2. Dimensions: • Length: 500 mm. • Inner diameter: ∅32. • Outer diameter: ∅38.	97772316
Adapter kit, inlet  TM05 0378 0911	Kit, second inlet ∅50/ 50/40	97775335
Adapter ring, ∅36  TM05 0379 0911	Kit, adapter ∅36 UK Suitable for discharge and inlet connections. **Note:** The adapter is included in the UK version.	97775336

Technical data

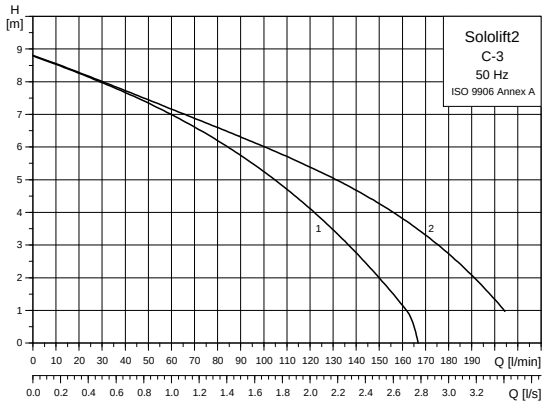
Mechanical data

Net weight	6.6 kg
Tank volume	5.7 litres
Flexible discharge elbow	∅22/25/28/32/36/40
Dimensions of possible inlet	1 x ∅32/36/40 on the top 2 x ∅36/40/50 in the side
Start and stop levels	Start level 1: 65 mm above floor level Start level 2: 115 mm above floor level Stop level: 35 mm above floor level
pH value of the pumped liquid	4-10
Maximum liquid temperature	75 °C continuously 90 °C for 30 minutes
Ambient temperature	5-35 °C
Noise level	< 70 dB(A) to 12050-2
Duty class	S3-50 % - 1 min. (30 sec. on; 30 sec. off)

Electrical data

Supply voltage	1 x 220-240 V - 10 %/+ 6 %, 50 Hz
Power consumption, P1	Max. 640 W
Rated current	3.1 A
Power factor, cos φ	0.66 / 0.90
Speed	2800 min^{-1}
Enclosure class	IP44
Insulation class	F
Connecting cable	1.2 m, 0.75 mm^2 (H05VV-F-3G)

Performance



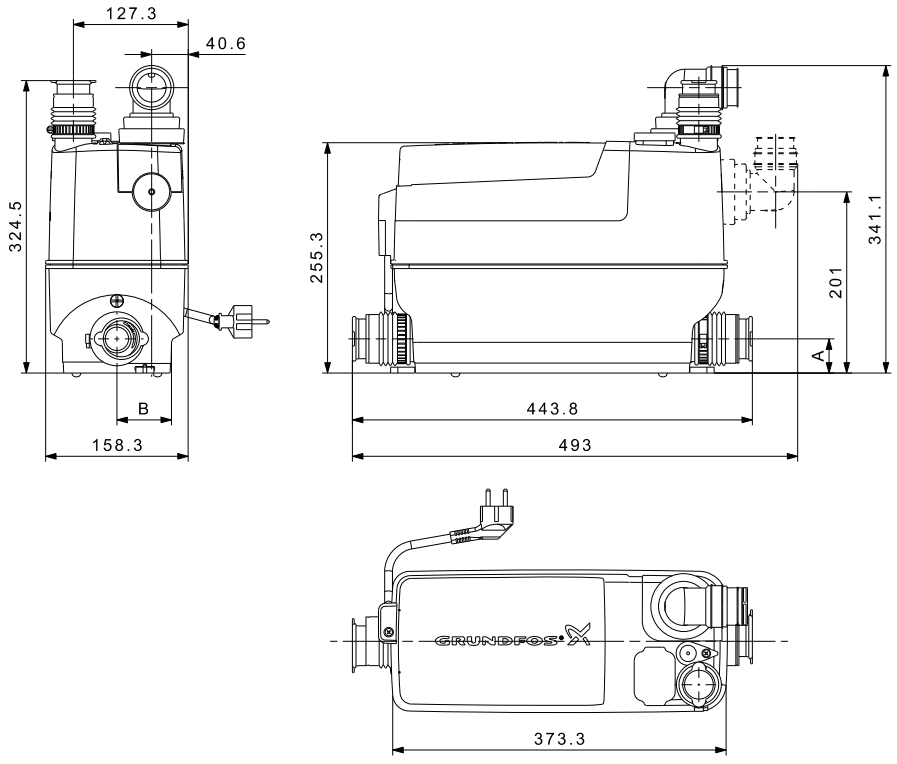
TM04 9880 0211

Fig. 36 Performance curves, Sololift2 C-3

Legend

Pos.	Description
1	Horizontal outlet
2	Vertical outlet

Dimensions



TM04 9917 0311

Fig. 37 Dimensional drawings, Sololift2 C-3

Pipe diameter	Type	A [mm]		B [mm]	
		Min.	Max.	Min.	Max.
∅36/40	Eccentric	33	43	56	66
∅50	Centric	38		61	

6. Sololift2 D-2

Sololift2 D-2 is a small, compact, ready-to-install automatic lifting station. It is suitable for pumping grey wastewater without faeces from any kind of building.

The unit is designed according to EN 12050-2.



TM04 9732 5015

Fig. 38 Sololift2 D-2

Applications

Sololift2 D-2 is suitable for pumping grey wastewater from a washbasin, cabinet shower or bidet. The unit is designed for front-wall installation or installation in a cabinet under a sink.

Typical applications:

- Basement installations below sewer level.
- In connection with the renovation or modernisation of existing buildings where the location may be remote from the main soil pipe so that a natural slope cannot be established, for example attics.



TM05 0400 0911

Fig. 39 Example of application

Features and benefits

Robustness and operational reliability

- The powerful motor, crankcase and shaft in contact with wastewater are made of stainless steel.

Easy installation and replacement

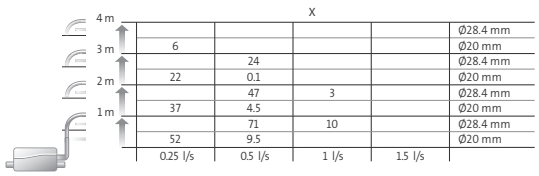
- Slim design for installation in confined spaces.

Easy maintenance and service

- The removable, compact pump-motor unit makes any service job a fast and clean matter.
- No need to disconnect discharge and inlet pipes or to remove the unit for service.

Sizing guide

As Sololift2 D-2 is used with several combinations of units, it is necessary to consider the maximum performance of the unit in relation to different discharge pipe diameters at a minimum self-cleaning velocity of 0.7 m/s.



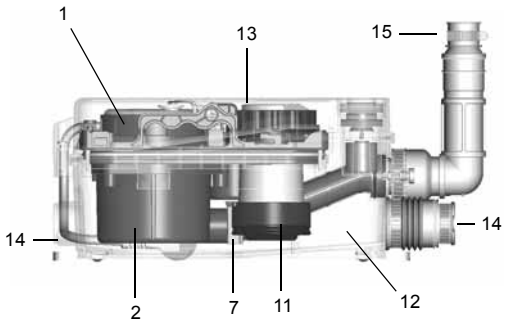
TM05 0527 1211

Fig. 40 Pipe length and height in relation to inner pipe diameter and required discharge capacity

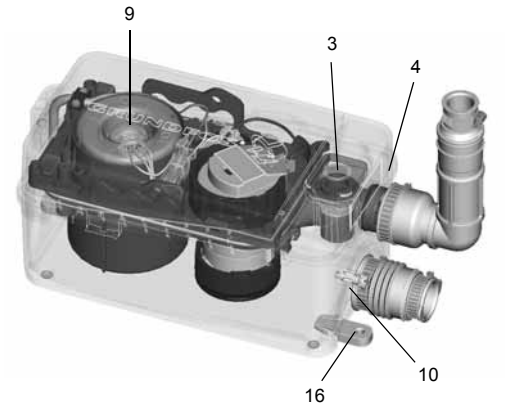
Figure 40 shows the maximum lengths and heights of discharge pipes in metres in relation to inner pipe diameter and discharge capacity of the unit. To ensure optimum operation, the total inflow must not exceed the discharge capacity stated in the table, depending on pipe diameter, height and length. Four bends, a non-return valve and an isolating valve have already been taken into account.

Construction features

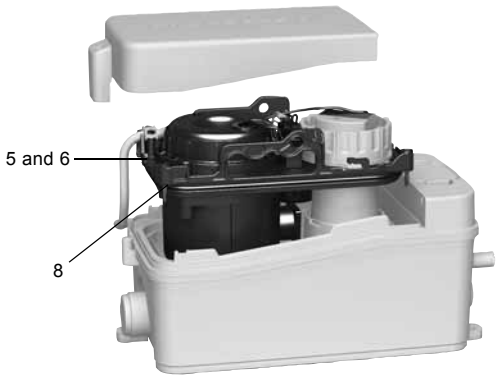
Sololift2 D-2



TM05 0399 1111



TM05 0492 1111



TM05 0493 1111

Description

Pos.	Operational reliability
1	Motor The powerful motor enables pumping of grey wastewater. Motor protection by thermal switch with automatic restart. Three shaft seals ensure long operational life.
2	Free passage Pump with a free passage of 10 mm and internal self-venting valve for stable start.
3	Venting valve Venting valve with carbon filter and overflow protection. Possibility of connecting a vent pipe, for example over roof.
4	Tank Welded tank design which is pressure-tight up to 2.5 m water column.
Pos.	**Easy maintenance and service**
5	Access to components Design with dry motor for easy and clean service.
6	Compact block unit Pump, motor and controller form a compact block unit which is easy to remove for service and replacement. Other components can be replaced as single parts. No need to disconnect the Sololift2 tank and connected pipes when service is required.
7	Auto coupling Self-adjusting auto coupling eases assembly.
8	Screws All important screws are captive screws, which facilitates service work.
9	Anti-blocking Manual anti-blocking function for deblocking of the motor. No dismantling required.
10	Drain connection Separate tank drain function is available by connecting a drain hose.
11	Level switch Level switch with low start level which is suitable for modern flat shower trays. The level switch can be removed without getting into contact with the inside of the tank. All electrical parts are positioned outside the tank.
12	Bottom Bottom design with strong chamfer to prevent sedimentation in corners.
Pos.	**Easy installation and replacement**
13	Slim design Very slim design that fits into the smallest cabinets/cupboards, for example under a washbasin.
14	Connecting pieces Two connecting pieces for side inlets.
15	Discharge Vertical, turnable discharge incorporating a non-return valve.
16	Feet for floor-mounting Feet for floor-mounting are easy to install.

Visit the animation of Sololift2 features on www.grundfos.com or local Grundfos homepages.

Installation requirements

This section shows an installation example and describes the installation requirements. Installation is done quickly and easily by using flexible hose connectors with two adapter options to the pipe diameters.

The start/stop levels are made for the modern flat shower trays.

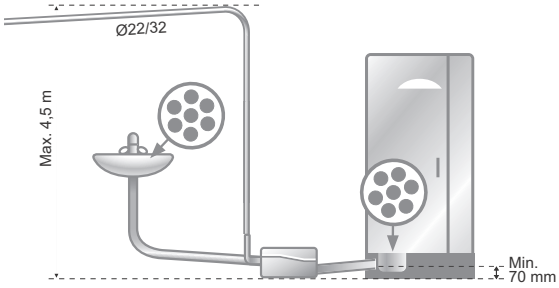


Fig. 41 Example of installation

Note: The first part of the discharge pipe should preferably be vertical. All horizontal pipes must have a fall of minimum 1 % to the main soil pipe.

The measurements in figs 41 and 42 must be observed.

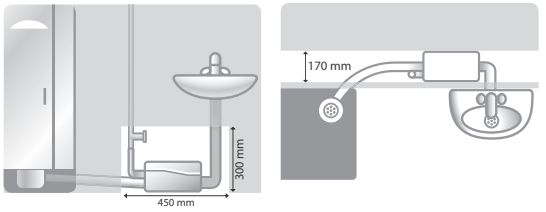


Fig. 42 Measurements to be observed

When the unit is located inside a wall or in a floor unit, observe the minimum measurements to ensure that the unit can be inspected and is accessible for service.

Connections

The turnable discharge adapter incorporates a non-return valve.

The discharge and inlet connections can be adapted to the following pipe diameters:

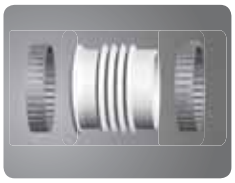
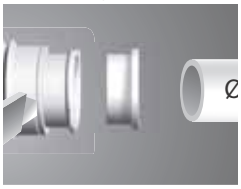
Connection	Outer diameter						
	Ø22	Ø25	Ø28	Ø32	Ø36[1)]	Ø40	Ø50
Discharge	•	-	-	•	-	-	-
Inlet from side	-	-	-	-	(•)	•	-

1) Adapter included for UK version. Also available as an accessory.

Product numbers

Product	Plug	Sales region	Prod. No
Sololift2 D-2	Schuko	Europe	97775318
	Schuko	Russia	97775323
	AUS	Australia	97775328
	No plug	UK	97775333

Accessories

Product	Description	Prod. No
Adapter kit, inlet  TM05 0408 0911	Kit, second inlet ∅40/ 40/32	97775334
Adapter ring, ∅36  TM05 0409 0911	Kit, adapter ∅36 UK Suitable for discharge and inlet connections. **Note:** The adapter is included in the UK version.	97775336

Technical data

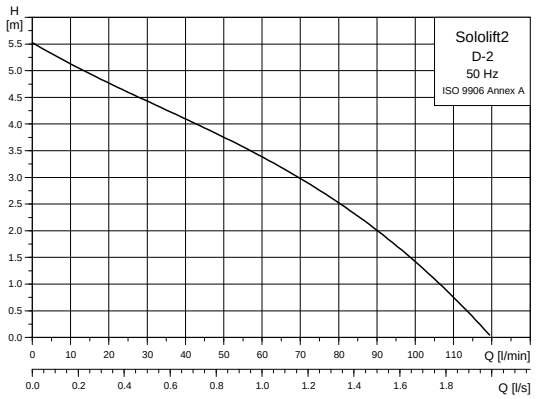
Mechanical data

Net weight	4.3 kg
Tank volume	2.0 litres
Flexible discharge elbow	∅22/32
Dimensions of possible inlet	2 x ∅32/36/40 in the side
Start and stop levels	Start level: 58 mm above floor level Stop level: 35 mm above floor level
pH value of the pumped liquid	4-10
Maximum liquid temperature	50 °C
Ambient temperature	5-35 °C
Noise level	< 70 dB(A) to 12050-2
Duty class	S3-50 % - 1 min. (30 sec. on; 30 sec. off)

Electrical data

Supply voltage	1 x 220-240 V - 10 %/+ 6 %, 50 Hz
Power consumption, P1	Max. 280 W
Rated current	1.3 A
Power factor, cos φ	0.90 / 0.95
Speed	2800 min^{-1}
Enclosure class	IP44
Insulation class	F
Connecting cable	1.2 m, 0.75 mm^2 (H05VV-F-3G)

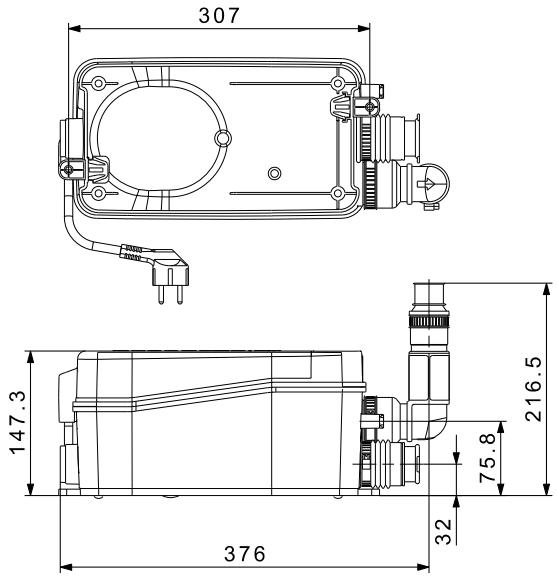
Performance

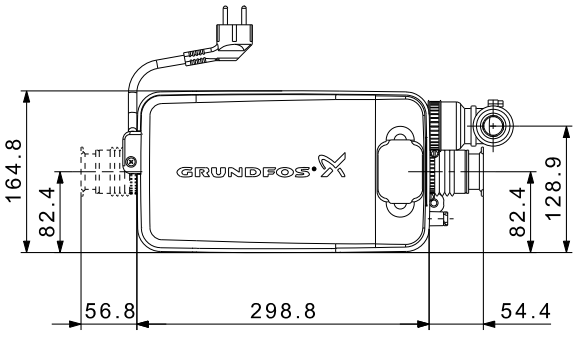


TM04 9881 0211

Fig. 43 Performance curves, Sololift2 D-2

Dimensions





TM04 9917 0311

Fig. 44 Dimensional drawings, Sololift2 D-2

7. Product range, overview

Product numbers

Overview of available products:

Product	Mains supply	Plug	Sales region	Discharge port	Cable length	Weights		Shipping volume	Product number
						Net	Gross		
					[m]	[kg]	[kg]	[m^3]	
Sololift2 WC-1	1 x 220-240 V - 10 %/+ 6 %, 50 Hz	Schuko	Europe	∅22/25/28/32/36/40	1.2	7.3	9.2	0.052	97775314
		Schuko	Russia						97775319
		AUS	Australia						97775324
		No plug	UK						97775329
Sololift2 WC-3		Schuko	Europe	∅22/25/28/32/36/40		7.3	9.3	0.052	97775315
		Schuko	Russia						97775320
		AUS	Australia						97775325
		No plug	UK						97775330
Sololift2 CWC-3		Schuko	Europe	∅22/25/28/32/36/40		7.1	9.0	0.046	97775316
		Schuko	Russia						97775321
		AUS	Australia						97775326
		No plug	UK						97775331
Sololift2 C-3		Schuko	Europe	∅22/25/28/32/36/40		6.5	8.1	0.036	97775317
		Schuko	Russia						97775322
		AUS	Australia						97775327
		No plug	UK						97775332
Sololift2 D-2		Schuko	Europe	∅22/32/36		4.2	4.8	0.022	97775318
		Schuko	Russia						97775323
		AUS	Australia						97775328
		No plug	UK						97775333

Accessories

Product	Description	Applicable to	Product number
Alarm device	Acoustic alarm in case of malfunction. Printed-circuit board to be pushed into an internal slot.	Sololift2 WC-1 Sololift2 WC-3 Sololift2 CWC-3	97772315
Replacement hose	Flexible PVC hose with two clamps and an adapter for the discharge of Sololift2. • Length: 500 mm. • Inner diameter: ∅32. • Outer diameter: ∅38.	Sololift2 WC-1 Sololift2 WC-3 Sololift2 CWC-3 Sololift2 C-3	97772316
LC A2 alarm device	LC A2 alarm device with socket designed for stopping washing machines or dishwashers to prevent flooding in case Sololift2 is blocked or malfunctions. The socket can be used as power supply for other appliances and for switching on/off appliances in case of fault. The device will give an audible alarm and/or start/stop the appliance connected. $I_{max.}$ = 16 A	Sololift2 C-3	97775338
Level switch	Magnetic float switch Cable length: 10 m.	Sololift2 C-3	97775337
Adapter kit, inlet	Kit, second inlet ∅40/40/32	Sololift2 D-2	97775334
Adapter kit, inlet	Kit, second inlet ∅50/50/40	Sololift2 WC-3 Sololift2 CWC-3 Sololift2 C-3	97775335
Adapter ring	Kit, adapter ∅36 UK	Sololift2 WC-1 Sololift2 WC-3 Sololift2 CWC-3 Sololift2 C-3 Sololift2 D-2	97775336
Drain hose	Flexible PVC hose with two clamps and a plug. Applicable when the Sololift2 tank is to be drained for service. • Length: 500 mm. • Inner diameter: ∅12. • Outer diameter: ∅14.4.	Sololift2 WC-1 Sololift2 WC-3	97789093
Extension pipe	Connecting a Sololift2 WC-1 or WC-3 to some toilet variants, such as Ifö, can be a challenge. These toilets have a ceramic frame around the outlet connection at the back preventing (fast) connection to Sololift2. An extension pipe can help the installer speed up installation in those cases.	Sololift2 WC1 Sololift2 WC-3	98162129 (250 mm) 98162133 (160 mm)

Technical data

Product	Rated current	Power (P1)	Cos φ	Enclosure class	Insulation class	Speed	Motor protection	Cable
	[A]	[W]				[min^{-1}]		
Sololift2 WC-1	3.0	620	0.92	IP44	F	2800	Built-in thermal switch	0.75 mm^2 (H05VV-F-3G)
Sololift2 WC-3	3.0	620	0.92					
Sololift2 CWC-3	3.0	620	0.92					
Sololift2 C-3	3.1	640	0.90					
Sololift2 D-2	1.3	280	0.95					

Scope of delivery

Overview of the included fittings:

Product		Fittings included on delivery
Sololift2 WC-1		TM05 0866 1711 • 1 elbow (∅40 to ∅40-32) • 1 adapter with built-in non-return valve • 1 pipe joint (∅40 to ∅40-32) • 1 cover valve • 1 adapter (∅22/32) • 1 adapter (∅25/32) • 1 adapter (∅28/32) • 1 adapter (∅36/40), only UK • Hose clamps (1 x ∅90, 4 x ∅32-50) • 2 feet for floor-mounting • Screws and wall plugs
Sololift2 WC-3		TM04 9729 5010 • 1 elbow (∅40 to ∅40-32) • 1 adapter with built-in non-return valve • 1 pipe joint (∅40 to ∅40-32) • 1 pipe joint (∅50 to ∅50-40) • 1 cover valve • 1 adapter (∅22/32) • 1 adapter (∅25/32) • 1 adapter (∅28/32) • 2 adapters (∅36/40), only UK • Hose clamps (1 x ∅90, 4 x ∅32-50, 2 x ∅40-60) • 2 feet for floor-mounting • Screws and wall plugs
Sololift2 CWC-3		TM04 9730 5010 • 1 elbow (∅40 to ∅40-32) • 1 pipe joint (∅40 to ∅40-32) • 1 pipe joint (∅50 to ∅50-40) • 1 adapter (∅22/32) • 1 adapter (∅25/32) • 1 adapter (∅28/32) • 2 adapters (∅36/40), only UK • 1 drain hose • 1 plug for drain hose • Hose clamps (1 x ∅90, 4 x ∅32-50, 2 x ∅40-60, 2 x ∅8-16) • 2 feet for floor-mounting • Screws and wall plugs
Sololift2 C-3		TM04 9731 5010 • 1 elbow (∅40 to ∅40-32) • 1 pipe joint (∅40 to ∅40-32) • 1 pipe joint (∅50 to ∅50-40) • 1 non-return valve • 1 cover valve • 1 adapter (∅22/32) • 1 adapter (∅25/32) • 1 adapter (∅28/32) • 2 adapters (∅36/40), only UK • 1 drain hose • 1 plug for drain hose • Hose clamps (4 x ∅32-50, 2 x ∅40-60, 2 x ∅8-16) • 2 feet for floor-mounting • Screws and wall plugs
Sololift2 D-2		TM04 9732 5011 • 1 pipe joint (∅40 to ∅40-32) • 1 outlet fitting (elbow) • 1 adapter (∅25/32) • 1 adapter (∅28/32) • 1 adapter (∅36/40), only UK • 1 drain hose • 1 plug for drain hose • Hose clamps (4 x ∅32-50, 2 x ∅40-60, 2 x ∅8-16) • 2 feet for floor-mounting • Screws and wall plugs

8. Grundfos Product Center

Online search and sizing tool to help you make the right choice.

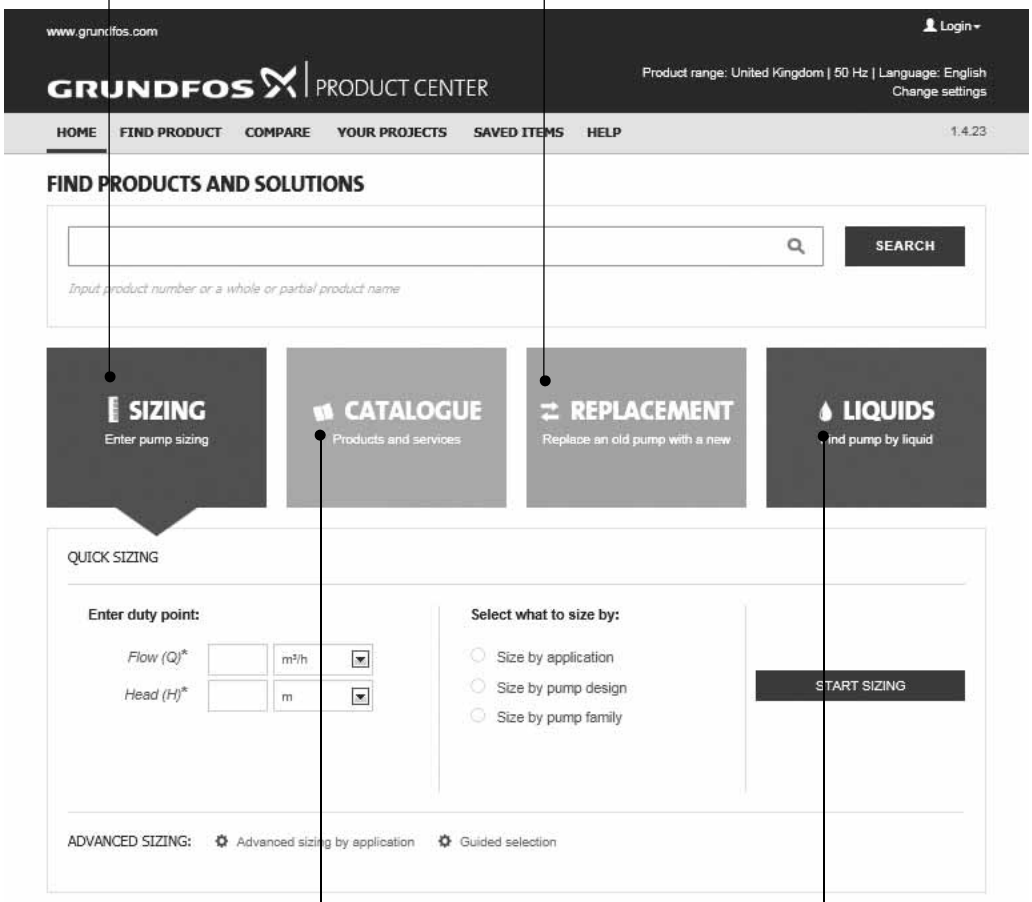
http://product-selection.grundfos.com



"SIZING" enables you to size a pump based on entered data and selection choices.

"REPLACEMENT" enables you to find a replacement product. Search results will include information on the following:

- the lowest purchase price
- the lowest energy consumption
- the lowest total life cycle cost.



"CATALOGUE" gives you access to the Grundfos product catalogue.

"LIQUIDS" enables you to find pumps designed for aggressive, flammable or other special liquids.

All the information you need in one place

Performance curves, technical specifications, pictures, dimensional drawings, motor curves, wiring diagrams, spare parts, service kits, 3D drawings, documents, system parts. The Product Center displays any recent and saved items - including complete projects - right on the main page.

Downloads

On the product pages, you can download installation and operating instructions, data booklets, service instructions, etc. in PDF format.

Subject to alterations.

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ECM: 1173653

GRUNDFOS A/S
DK-8850 Bjerringbro . Denmark
Telephone: +45 87 50 14 00
www.grundfos.com

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