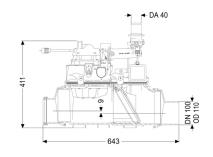


# Backwater lifting station Ecolift DN 100, exposed





## Article information

Item no.: 21100 GTIN: 4026092046760 Price group: 20

## **Advantages**

- Hybrid function: uses the natural fall to the sewer pump is only used in case of backwater
- Quiet and energy-saving
- Double safety due to backwater flap and pressure pipe

# Description

The backwater lifting station for faecal and non-faecal wastewater is equipped with one pump and one motor-driven closure system.

The pipe cross-section is normally open and the water drains to the sewer via natural fall. Backwater is detected by an optical probe, which causes the motordriven closure system to close automatically. During the backwater phase, the water drains via a pressure pipe, which carries the wastewater above the backwater level and into the sewer.

Connection hole in the drain body for installation in the ground, incl. seal for pressure pipe and cable conduit.

The station is controlled by a user-friendly control unit, which is optionally integrated in the building management system via a potential-free contact, or alarm and collective fault messages can be output via a GSM interface. Type of wastewater: Installation situation: wastewater with sewage exposed drainage pipe

### Version:

Emergency closure: Pump control: yes Control unit



Passage seal for conduit pipe (DN):	50 mm
Delivery state:	Pre-mounted for final assembly on site (pumps and sensor system must be fitted on site and control unit must be connected)
Number of motor-driven backwater flaps:	1
General characteristics:	
Nominal size (DN): Outer diameter (OD): Colour:	100 110 black
Approval:	Z-53.2-487
Dimensions:	
Length:	642 mm
Width:	243 mm
Height:	405 mm
Tank:	
Pressure pipe connection (OD):	40 mm
Drain body:	
Socket version:	including spigot and socket
Coverage features:	
-	
Type of cover:	-
Pumping device:	
Pump:	SPZ 1000
Number of pumps:	1
Max. pumping capacity:	11.5 m3/h
Max. pumping height:	10 m
Operating mode:	S3 - 50 %
Power P1:	1.2 kW
Power P2:	0.69 kW
Speed: Type of fuse required (electrical protection):	2,800 U/min C 16 A



Max. temperature (permanent) of conveyed material: Connection type: Weight: Impeller type: Length of mains cable for pump: Rated current: Protection class (pump): Protection class: Type of pump connection cable: Temperature monitoring: Cos phi - power factor: Insulation class: Vertical drop between inlet and outlet:

40 °C

10 kg Macerator

5 m

L

5.2 A

0.97 F

9 mm KSM 140

coded plug

IP 68 (3m/48h)

IP 68 (3m/48h) IP 68 (3m/48h)

integrated

H07RN-F 3G 1.0 mm2

Vertical drop between inlet and outlet: Motor type: Protection class motor: Protection class probe:

### Control:

Control unit:	Comfort
Operating voltage:	230 V
Mains frequency:	50 Hz
Self-diagnosis system (SDS):	yes
Battery buffering:	yes
Multi-line display:	yes
Log book function:	yes
USB interface:	no
GSM interface:	no
Potential-free contact:	yes
Standby power:	5 W
Protection class control unit:	IP 54
Length of mains cable for control unit:	1.4 m
Type of level measurement:	optical
Level measurement instrument:	optical probe
Alarm sensor:	optical probe