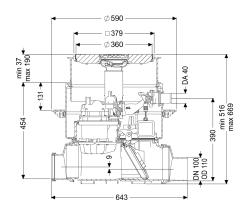


## Backwater lifting station Ecolift DN 100, Floor slab, black





## Article information

Item no.: 21100S

GTIN: 4026092046807

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 loop

## 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 motor-driven 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.

Variant

Emergency closure: yes Passage seal for conduit pipe (DN): 50

Pump control: Control unit Protection class, probe: IP 68 (3m/48h)

Motor-driven backwater flaps: 1

General characteristics

Colour: black
Nominal size (DN): 100
Outer diameter (OD): 110 mm



Type of wastewater: with sewage

Installation situation: floor slab installation

Delivery state: Pre-mounted for final assembly on site (pumps and

sensor system must be fitted on site and control

unit must be connected)

Approval: Z-53.2-487 Motor type: KSM 140

Type de protection moteur: IP 68 (3m/48h)

Odour trap: Multistop

**Dimensions** 

Net weight:28 kgGross weight:32,26 kgGroundwater resistant from lower edge of base3000 mm

section:

Cutout dimension, width: 750 mm
Cutout dimension, length: 750 mm
Vertical drop between inlet and outlet: 9 mm

Installation depth: 516 - 669 mm

Type of height adjustability: vertically adjustable upper section

Length: 642 mm
Width: 590 mm
Packaging dimension: length
Packaging dimension: width
Packaging dimension: height

Tank/drain body

Nominal pressure (PN): 6

Pressure pipe connection (OD): 40 mm

Socket version: including spigot and socket

Coverage features

Type of cover: Cover plate with slotted cover

Cover material:PolymerColour of cover:blackWidth of cover:366 mmLength of cover:366 mmDrainage function:yes

Locking: Lock & Lift
Load class: L 15 (EN 1253-1)

Pumping device

Pump: SPZ 1000

Number of pumps: 1
Weight, pump: 10 kg
Connection type: coded plug

Protection class:

Insulation class:

Cos phi - power factor:

0,97

Protection class (pump): IP 68 (3m/48h)



Temperature monitoring: integrated Max. temperature (permanent) of conveyed 40 °C

material:

Max. pumping capacity: 11,5 m³/h Max. pumping height: 10 m

 Speed:
 2800 U/min

 Power P1:
 1,2 kW

 Power P2:
 0,69 kW

Operating mode: S3 - 50 % Type of fuse required (electrical protection): C 16 A

Type of pump connection cable: H07RN-F 3G 1.5 mm<sup>2</sup>

Impeller type: Macerator

Length of mains cable for pump: 5 m

Control

Rated current:

Control unit: Comfort Standby power: 5 W

Alarm sensor: optical probe
Level measurement instrument: optical probe
Type of level measurement: optical
Protection class control unit: IP 54

Protection class control unit: IP 54
Operating voltage: 230 V
Connection type: coded plug

Length of mains cable for control unit: 1,4 m Potential-free contact: yes GSM interface: no USB interface: no Log book function: yes Multi-line display: yes Battery buffering: yes Self-diagnosis system (SDS): yes Type of fuse required (electrical protection): C 16 A

5,2 A