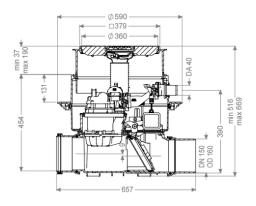


## Backwater lifting station Ecolift DN 150, Floor slab, black





## Article information

Item no.: 21150S

GTIN: 4026092046821

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

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

Motor-driven backwater flaps:

General characteristics

Colour: black
Nominal size (DN): 150
Outer diameter (OD): 160 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)

Inlet max. scoring (DN): Z-53.2-487 Motor type: KSM 140

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

**Dimensions** 

Net weight:28 kgGross weight:33,5 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

Vertical adjustment: vertically adjustable upper section

Length:656 mmWidth:590 mmPackaging dimension:lengthPackaging dimension:widthPackaging dimension:height

Tank/drain body

Nominal pressure (PN): 6
Pressure pipe connection (OD): 40 mm

System: including spigot and socket

Coverage features

Type of cover: Cover plate with slotted cover

Cover material: Polymer
Colour of cover: black
Width of cover: 366 mm
Length of cover: 366 mm
Drainage function: yes

Cover locking: Lock & Lift
Load class: L 15 (EN 1253-1)
Odour trap: Multistop

Pumping device

Pump control: SPZ 1000

Number of pumps:

Weight:
10 kg
Connection type:
coded plug
Rated current:
5,2 A
Length of mains cable for pump:
5 m
Self-diagnosis system (SDS):
Insulation class:
F



Cos phi - power factor: 0,97

Protection class control unit: IP 68 (3m/48h) integrated DSC: 40 °C

Max. temperature (permanent) of conveyed

material:

Max. pumping capacity: 11,5 m<sup>3</sup>/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

Control

Battery buffering:

Control unit: Comfort Standby power: 5 W

Alarm sensor: optical probe Level measurement instrument: optical probe Type of level measurement: optical Protection class probe: 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

Self-diagnosis system (SDS): yes Rated current: 5,2 A

yes