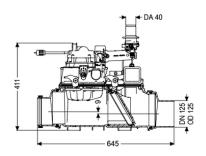


## Backwater lifting station Ecolift DN 125, exposed





## **Article information**

Item no.: 21125

GTIN: 4026092046777

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): 125
Outer diameter (OD): 125 mm



Type of wastewater: with sewage

Installation situation: exposed drainage pipe

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

sensor system must be fitted on site and control

unit must be connected)

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

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

**Dimensions** 

Net weight: 20 kg Gross weight:  $25,5 \, \text{kg}$ 2000 mm Groundwater resistant from lower edge of base

Vertical drop between inlet and outlet: 9 mm 645 mm Length: Width: 243 mm 405 mm Height: Packaging dimension: length Packaging dimension: width Packaging dimension: height

Tank/drain body

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

System: including spigot and socket

Pumping device

Pump control: SPZ 1000

Number of pumps: 1 Weight: 10 kg Connection type: coded plug Rated current: 5,2 A Length of mains cable for pump: 5 m Self-diagnosis system (SDS): I F Insulation class: Cos phi - power factor: 0,97

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

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: ves

Length of mains cable for control unit: 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 Rated current: 5,2 A