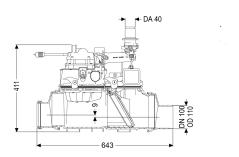


Backwater lifting station Ecolift DN 100, exposed





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 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: exposed drainage pipe

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)

Dimensions

Net weight: 20 kg
Gross weight: 25,5 kg
Groundwater resistant from lower edge of base 2000 mm

section:

Vertical drop between inlet and outlet:

9 mm

Length:
642 mm

Width:
243 mm

Height:
405 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

Pumping device

Pump: SPZ 1000

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

Protection class: I
Insulation class: F
Cos phi - power factor: 0,97

Protection class (pump): IP 68 (3m/48h) Temperature monitoring: integrated Max. temperature (permanent) of conveyed $40 \,^{\circ}\text{C}$

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 mm²

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

optical Type of level measurement: Protection class control unit: IP 54 Mains frequency: 50 Hz 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