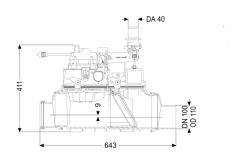


Backwater lifting station Ecolift DN 100, exposed





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 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.

Type of wastewater: wastewater with sewage Installation situation: exposed drainage pipe

Version:

Emergency closure: yes

Pump control: 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: Width: Height:	642 mm 243 mm 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: Number of pumps: Max. pumping capacity: Max. pumping height: Operating mode: Power P1: Power P2:	SPZ 1000 1 11.5 m3/h 10 m S3 - 50 % 1.2 kW 0.69 kW

Speed:

Type of fuse required (electrical protection):

2,800 U/min

C 16 A



Max. temperature (permanent) of conveyed 40 °C

material:

Connection type: coded plug
Weight: 10 kg
Impeller type: Macerator
Length of mains cable for pump: 5 m
Rated current: 5.2 A

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

Protection class:

Type of pump connection cable: H07RN-F 3G 1.0 mm2

Temperature monitoring: integrated Cos phi - power factor: 0.97 Insulation class: F

Vertical drop between inlet and outlet: 9 mm
Motor type: KSM 140

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

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 5 W Standby power: 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