

## 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 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):	125
Outer diameter (OD):	125
Colour:	black
Approval:	Z-53.2-487

#### Dimensions:

Length:	645 mm
Width:	243 mm
Height:	405 mm

#### Tank:

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

#### Drain body:

Socket version:	including spigot and socket
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#### Coverage features:

Type of cover:	-
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#### Pumping device:

Pump:	SPZ 1000
Number of pumps:	1
Max. pumping capacity:	11.5 m <sup>3</sup> /h
Max. pumping height:	10 m
Operating mode:	S3 - 50 %
Power P1:	1.2 kW
Power P2:	0.69 kW
Speed:	2,800 U/min
Type of fuse required (electrical protection):	C 16 A

Max. temperature (permanent) of conveyed material:	40 °C
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:	I
Type of pump connection cable:	H07RN-F 3G 1.0 mm <sup>2</sup>
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
Standby power:	5 W
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