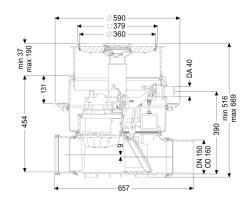


# Backwater lifting station Ecolift DN 150, Floor slab, tileable







### Article information

Item no.: 21150X GTIN: 4026092046869 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 motordriven 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: Installation situation:

#### Version:

Odour trap: Emergency closure: Multistop yes



Pump control: Passage seal for conduit pipe (DN):	Control unit 50 mm
Delivery state:	Pre-mounted for final assembly on site (pumps and sensor system must be fitted on site and control
Number of motor-driven backwater flaps:	unit must be connected) 1
General characteristics:	
Nominal size (DN): Outer diameter (OD): Colour:	150 160 black
Approval:	Z-53.2-487
Discourse	
Dimensions:	
Length:	656 mm
Width:	590 mm 750 mm
Cutout dimension, length: Cutout dimension, width:	750 mm
Tank:	
Pressure pipe connection (OD):	40 mm
Installation depth:	486 - 640 mm
Groundwater resistant from lower edge of base section:	3,000 mm
Nominal pressure (PN):	6
Drain body:	
Socket version:	including spigot and socket
Vertical adjustment:	vertically adjustable upper section
Coverage features:	
Type of cover:	tileable cover plate
Cover material:	Polymer
Drainage function:	yes
Max. flooring height:	16 mm
Load class:	K 3 (EN 1253-1)
Length: Width:	366 mm 366 mm
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# Locking:

Lock & Lift

# Pumping device:

Pump:	SPZ 1000
Number of pumps:	1
Max. pumping capacity:	11.5 m3/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	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:	I
Type of pump connection cable:	H07RN-F 3G 1.0 mm2
Temperature monitoring:	integrated
Cos phi - power factor:	0.97
Insulation class:	F
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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: Operating voltage:	Comfort 230 V
Mains frequency:	50 Hz
Self-diagnosis system (SDS):	Ves
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