Data sheet

Backwater lift. station Ecolift M Underfloor, DN 150, tileable

Article information
article number: 21150X
EAN code: 4026092046869
Price group: 20

Product 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.

General features

Colour	black
Nominal size (DN)	150
Outer diameter (OD)	160 mm
Type of wastewater	with sewage
Installation situation	floor slab installation
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)

Version

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

Dimensions

Net weight	28 kg
Gross weight	33.5 kg
Groundwater resistant from lower edge of base section	3000 mm
Cutout dimension, width	750 mm
Cutout dimension, length	750 mm
Vertical drop between inlet and outlet	9 mm
Installation depth	516|669 mm
Type of height adjustability	vertically adjustable upper section
Length	656 mm
Width	590 mm
Packaging dimension: length	785 mm
Packaging dimension: width	615 mm
Packaging dimension: height	550 mm

Tank/drain body

Nominal pressure (PN)	6
Pressure pipe connection (OD)	40 mm
Socket version	including spigot and socket

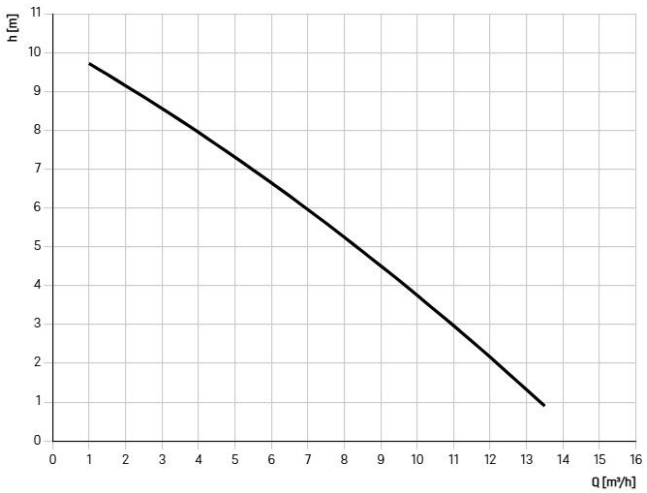
Coverage features

Type of cover	tileable cover plate
Cover material	Polymer
Width of cover	366 mm
Length of cover	366 mm
Drainage function	yes
Locking	Lock & Lift
Load class	K 3 (EN 1253-1)
Max. flooring height	16 mm
geruchsverschluss_hebeanlagen	Multistop

Pumping device

Pump	SPZ 1000
Number of pumps	1
Weight, pump	10 kg
Connection type	coded plug
Operating voltage	230 V
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 material	40 °C
Max. pumping capacity	11.5 m^3/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 pump connection cable	H07RN-F 3G 1.5 mm^2
Impeller type	Macerator
Length of mains cable for pump	5 m

Pumping capacity



Control

Control unit	Comfort
Standby power	5 W
Alarm sensor	optical probe
Level measurement instrument	optical probe
Type of level measurement	optical
Protection class control unit	IP 54
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 (control unit)	C 16 A
Rated current	5,2|5,2 A