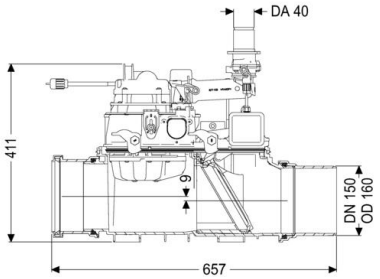
Data sheet

Backwater lift. station Ecolift M DN 150



Article information

article number: 21150
EAN code: 4026092046784
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 waste-water above the backwater level and into the sewer.
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	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)

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	20 kg
Gross weight	25.5 kg
Groundwater resistant from lower edge of base section	2000 mm
Vertical drop between inlet and outlet	9 mm
Length	656 mm
Width	243 mm
Height	405 mm
Packaging dimension: length	785 mm
Packaging dimension: width	385 mm
Packaging dimension: height	465 mm

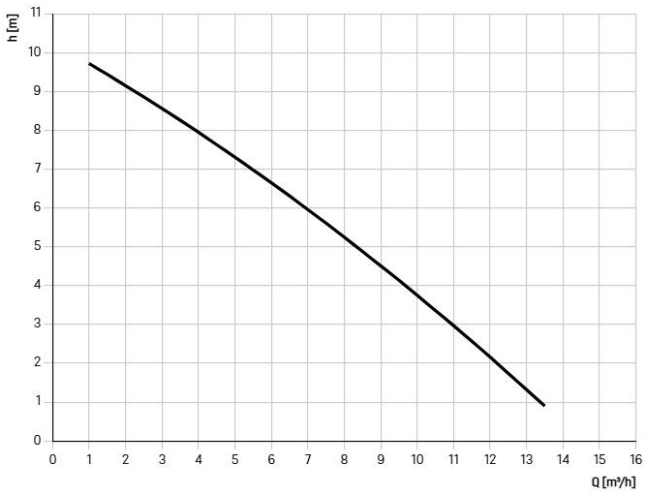
Tank/drain body

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
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 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 pump connection cable	H07RN-F 3G 1.5 mm²
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