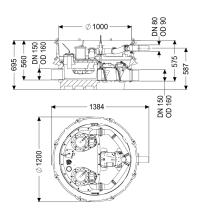


Ecolift XL backwater lifting st. Duo, 2 mech. flaps, SPF 4500-S1







Article information

Item no.: 8741021 GTIN: 4026092068380

Price group: 60

Advantages

- Wastewater drainage without interruption, even if a power failure occurs, as long as there is no backwater
- low pump use
- minimised noise emissions

Description

The backwater lifting station for non-faecal wastewater is equipped with one/two submersible pump/s, two mechanical closure systems and a backflow preventer. The collection tank made of permanently resistant polymer (PE) has an enclosed pump tank. Quick-release closures enable the integrated components to be removed easily. Normally, draining takes place via the natural fall to the sewer. In case of backwater, the closure system is closed by the backflowing water. During the backwater phase, the water drains via a pressure pipe, which carries the wastewater into the sewer. The pressure pipe is a welded PE pipe; with pump SPF 4500, the pressure pipe must also be continued up to a pressure release chamber. 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. The KESSEL modular system provides different upper sections and engineering chamber options as accessories.

Variant

Note on installation depth: Version for deeper installation

Type of system: duo pump

Shut-off valve: Shut-off valve made of polymer

Passage seal for conduit pipe (DN): 100
Passage seal for ventilation pipe (DN): 70

Pump control: Control unit Backflow preventer: integrated



Pressure pipe connection: horizontal

Mechanical backwater flaps: 2

General characteristics

Colour: black

Standard: ÖNORM B 2501
Type of wastewater: without sewage

Delivery state: Pre-mounted for final assembly on site (pumps and

sensor system must be fitted on site and control

unit must be connected)

Backwater protection: Type 2 Approval: Z-53.2-493

Dimensions

Net weight: 153,89 kg
Gross weight: 173,61 kg
Groundwater resistant from lower edge of base 3000 mm

section:

Vertical drop between inlet and outlet:

Length:

1245 mm
Width:

1200 mm
Height:

657 mm
Packaging dimension:

Packaging dimension:

Vidth
Packaging dimension:

Neight

Tank/drain body

Pressure pipe connection (DN): 80
Pressure pipe connection (OD): 90 mm

Channel: continuous channel

Venting connection (DN): 70
Distance pipe bottom outlet to tank bottom: 120 mm
Distance pipe bottom inlet to tank bottom: 135 mm
Number of outlets: 1

Outlet nominal size (DN): 150 mm Inlet nominal size (DN): 150 mm

Number of inlets: 1

Clear width of tank (LW): 1000 mm Pumping volume: 20 l Tank volume: 65 l

Pumping device

Pump: SPF 4500-S1 EcoXL

Number of pumps: 2
Weight, pump: 31 kg

Connection type: Direct connection

Rated current: 7,5 A
Protection class: I
Insulation class: F
Cos phi - power factor: 0,88



Protection class (pump): IP 68 (3m/48h) Temperature monitoring: integrated 40 °C

Max. temperature (permanent) of conveyed

material:

Max. pumping capacity: 45 m³/h 21 m Max. pumping height:

Speed: 2850 U/min Power P1: 4.2 kW Power P2: 3,5 kW Operating mode: S1

Type of fuse required (electrical protection): 3 x C 25 A

Type of pump connection cable: H07RN-F 7G 1.5 mm² Impeller type: Multi-vane impeller

Free passage: 40 mm Length of mains cable for pump: 10 m

Control

Control unit: Comfort Plus

Motor protection switch: ves Standby power: 5 W

Alarm sensor: optical probe Level measurement instrument: Immersion pipe Type of level measurement: pneumatic IP 54 Protection class control unit: Mains frequency: 50 Hz Operating voltage: 400 V

Connection type: Direct connection

Potential-free contact: yes GSM interface: yes USB interface: yes Log book function: yes Multi-line display: yes Battery buffering: yes Self-diagnosis system (SDS): yes

Type of fuse required (electrical protection): 3 x C 25 A