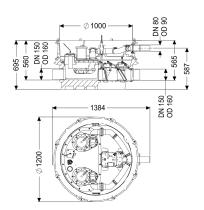


Ecolift XL backwater lifting st. Duo, 1 motor-driven flap, SPF 4500-S1





Article information

Item no.: 8741029 GTIN: 4026092068465 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 faecal and non-faecal wastewater is equipped with two submersible pumps, one motor-driven and one mechanical closure system 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. Backwater is detected by an optical probe, which causes the motor-driven closure system to close automatically and there is no longer free passage to the sewer. 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: Type of system: Shut-off valve: Passage seal for conduit pipe (DN): Passage seal for ventilation pipe (DN): Pump control:

Version for deeper installation duo pump Shut-off valve made of polymer 100 70 Control unit



| Backflow preventer: Pressure pipe connection: Motor-driven backwater flaps: | integrated horizontal 1 |
|--|--|
| Mechanical backwater flaps: | 1 |
| General characteristics Colour: Standard: Type of wastewater: Installation situation: Delivery state: | black ÖNORM B 2501 for wastewater with and without sewage free-standing installation Pre-mounted for final assembly on site (pumps and sensor system must be fitted on site and control |
| Backwater protection: Approval: | unit must be connected) Type 3 Z-53.2-493 |
| Dimensions Net weight: Gross weight: Groundwater resistant from lower edge of base section: | 168 kg 192 kg 3000 mm |
| Vertical drop between inlet and outlet: Length: Width: Height: | 15 mm 1384 mm 1200 mm 695 mm |
| Packaging dimension: Packaging dimension: Packaging dimension: | length width height |
| | |
| Tank/drain body Nominal pressure (PN): Pressure pipe connection (DN): Pressure pipe connection (OD): Channel: Venting connection (DN): Distance pipe bottom outlet to tank bottom: Distance pipe bottom inlet to tank bottom: Number of outlets: Outlet nominal size (DN): Inlet nominal size (DN): Number of inlets: Clear width of tank (LW): Pumping volume: Tank volume: | 10 80 90 mm continuous channel 70 120 mm 135 mm 1 150 mm 150 mm 1 1000 mm 20 l 65 l |
| Pumping device Pump: Number of pumps: Weight, pump: Connection type: | SPF 4500-S1 EcoXL 2 31 kg Direct connection |



Rated current: 7,5 A Protection class: I F Insulation class: Cos phi - power factor: 0.88 Protection class (pump): IP 68 (3m/48h) Temperature monitoring: integrated Max. temperature (permanent) of conveyed 40 °C material: Max. pumping capacity: 45 m³/h Max. pumping height: 21 m 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 5 W Standby power: Alarm sensor: optical probe Level measurement instrument: Immersion pipe Type of level measurement: pneumatic Protection class control unit: IP 54 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:

Self-diagnosis system (SDS):

Type of fuse required (electrical protection):

yes

yes

3 x C 25 A