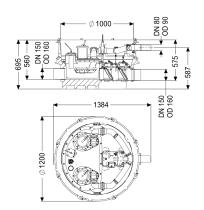


Ecolift XL backwater lifting st. Duo, 2 motor-driven flaps, SPF 4500-S3





Article information

Item no.: 8741033 GTIN: 4026092068502 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, two motor-driven 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. 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 closure systems 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. A redundant control unit also provides additional safety. 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:

Version for deeper installation duo pump Shut-off valve made of polymer



Passage seal for conduit pipe (DN): Passage seal for ventilation pipe (DN): Pump control: Backflow preventer: Pressure pipe connection: Motor-driven backwater flaps:	100 70 Control unit integrated horizontal 2
General characteristics Colour: Standard: Type of wastewater: Installation situation: Delivery state: Backwater protection: Approval:	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 unit must be connected) Type 6 Z-53.2-493
Dimensions Net weight: Gross weight: Groundwater resistant from lower edge of base section: Vertical drop between inlet and outlet: Length: Width: Height: Packaging dimension: Packaging dimension: Packaging dimension:	116 kg 165,07 kg 3000 mm 15 mm 1384 mm 1200 mm 695 mm 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
Pumping device Pump: Number of pumps:	SPF 4500-S3 EcoXL 2



Weight, pump: Connection type: Rated current: Protection class: Insulation class: Cos phi - power factor: Protection class (pump): Temperature monitoring: Max. temperature (permanent) of conveyed material: Max. pumping capacity: Max. pumping height: Speed: Power P1: Power P2: Operating mode: Type of fuse required (electrical protection): Type of pump connection cable: Impeller type: Free passage: Length of mains cable for pump: Control Control unit:

Motor protection switch: Standby power: Alarm sensor: Level measurement instrument: Type of level measurement: Protection class control unit: Operating voltage: Connection type: Potential-free contact: GSM interface: **USB** interface: Log book function: Multi-line display: Battery buffering: Self-diagnosis system (SDS): Type of fuse required (electrical protection):

26 kg Direct connection 7.5 A L F 0,85 IP 68 (3m/48h) integrated 40 °C 45 m³/h 21 m 2850 U/min 4.2 kW 3.5 kW S3 - 50 % 3 x C 25 A H07RN-F 7G 1.5 mm² Multi-vane impeller 40 mm 10 m

Comfort Plus with redundancy ves 5 W optical probe Immersion pipe pneumatic IP 54 400 V **Direct connection** yes yes yes yes yes yes yes 3 x C 25 A