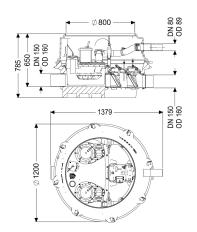


## Ecolift XL backwater lifting st. Duo, 2 motor flaps, SPF 4500-S3, Taper





## Article information

Item no.: 8741071 GTIN: 4026092070802 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 with lowest installation height 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:	black ÖNORM B 2501 for wastewater with and without sewage underground installation Pre-mounted for final assembly on site (pumps and sensor system must be fitted on site and control unit must be connected)
Backwater protection: Approval:	Туре 6 Z-53.2-493
Dimensions	
Net weight:	145,43 kg
Gross weight:	164,13 kg
Groundwater resistant from lower edge of base	3000 mm
section: Vertical drap between inlat and outlet:	15 mm
Vertical drop between inlet and outlet: Length:	1379 mm
Width:	1200 mm
Height:	785 mm
Packaging dimension:	length
Packaging dimension:	width
Packaging dimension:	height
Tank/drain body	
Nominal pressure (PN):	10
Pressure pipe connection (DN):	80 90 mm
Pressure pipe connection (OD): 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
Distance from inlet pipe invert to top of tank:	645 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
Clear width of entry (LW):	800 mm
Pumping volume:	20 l
Tank volume:	65 l

Pumping device



Pump: Number of pumps: 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): SPF 4500-S3 EcoXL 2 26 kg Direct connection 7,5 A L F 0.85 IP 68 (3m/48h) integrated 40 °C 45 m<sup>3</sup>/h 21 m 2850 U/min 4,2 kW 3,5 kW S3 - 50 % 3 x C 25 A H07RN-F 7G 1.5 mm<sup>2</sup> Multi-vane impeller 40 mm 10 m Comfort Plus with redundancy yes 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