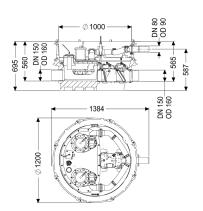


# Ecolift XL backwater lifting st. Duo, 1 motor-driven flap, SPF 1500-S1





### Article information

Item no.: 8741027 GTIN: 4026092068441 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: Mechanical backwater flaps:	integrated horizontal 1 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 unit must be connected)
Backwater protection: Approval:	Туре 3 Z-53.2-493
Dimensions Net weight: Gross weight: Groundwater resistant from lower edge of base section:	160 kg 184 kg 3000 mm
Vertical drop between inlet and outlet: Length:	15 mm 1384 mm
Width:	1200 mm
Height:	695 mm
Packaging dimension: Packaging dimension:	length width
Packaging dimension:	height
Tank/drain body	
Nominal pressure (PN):	10
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: Distance pipe bottom inlet to tank bottom:	120 mm 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: Tank volume:	20 l 65 l
Pumping device	
Pump:	SPF 1500-S1
Number of pumps:	2
Weight, pump:	27 kg
Connection type:	Direct connection



Rated current: 2,7 A Protection class: L F Insulation class: Cos phi - power factor: 0.77 Protection class (pump): Temperature monitoring: 40 °C Max. temperature (permanent) of conveyed material: Max. pumping capacity: Max. pumping height: 7,5 m Speed: Power P1: 1.4 kW Power P2: 1,1 kW Operating mode: S1 Type of fuse required (electrical protection): Type of pump connection cable: Impeller type: Free passage: Length of mains cable for pump: 10 m Control Control unit: Motor protection switch: ves 5 W Standby power: Alarm sensor: Level measurement instrument: Type of level measurement: Protection class control unit: IP 54 Operating voltage: Connection type: Potential-free contact: yes GSM interface: yes **USB** interface: yes Log book function: yes

Multi-line display: Battery buffering: Self-diagnosis system (SDS): Type of fuse required (electrical protection): IP 68 (3m/48h) integrated 40 °C 28 m<sup>3</sup>/h 7,5 m 1415 U/min 1,4 kW 1,1 kW S1 3 x C 16 A H07RN-F 7G 1.5 mm<sup>2</sup> Multi-vane impeller 40 mm 10 m