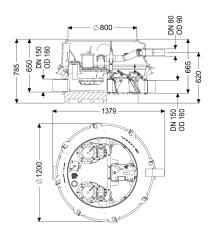


# Ecolift XL backwater lifting st. Duo, 1 motor flap, SPF 1400-S3, Taper





## Article information

Item no.: 8741060 GTIN: 4026092070697 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 with lowest installation height duo pump Shut-off valve made of polymer 100 70 Control unit



| Backflow preventer:<br>Pressure pipe connection:<br>Motor-driven backwater flaps:<br>Mechanical backwater flaps:  | integrated<br>horizontal<br>1<br>1  |
|---|---|
| General characteristics<br>Colour:<br>Standard:<br>Type of wastewater:<br>Installation situation:<br>Delivery state:  | black<br>ÖNORM B 2501<br>for wastewater with and without sewage<br>underground installation<br>Pre-mounted for final assembly on site (pumps and<br>sensor system must be fitted on site and control<br>unit must be connected) |
| Backwater protection:<br>Approval:  | Туре 3<br>Z-53.2-493  |
| Dimensions<br>Net weight:<br>Gross weight:<br>Groundwater resistant from lower edge of base<br>section:<br>Vertical drop between inlet and outlet:<br>Length:<br>Width:<br>Height:<br>Packaging dimension:<br>Packaging dimension:  | 138,36 kg<br>161,76 kg<br>3000 mm<br>15 mm<br>1379 mm<br>1200 mm<br>785 mm<br>length<br>width   |
| Packaging dimension:  | height  |
| Tank/drain body<br>Nominal pressure (PN):<br>Pressure pipe connection (DN):<br>Pressure pipe connection (OD):<br>Channel:<br>Venting connection (DN):<br>Distance pipe bottom outlet to tank bottom:<br>Distance pipe bottom inlet to tank bottom:<br>Distance from inlet pipe invert to top of tank:<br>Number of outlets:<br>Outlet nominal size (DN):<br>Inlet nominal size (DN):<br>Number of inlets:<br>Clear width of tank (LW):<br>Clear width of entry (LW):<br>Pumping volume:<br>Tank volume: | 10<br>80<br>90 mm<br>continuous channel<br>70<br>120 mm<br>135 mm<br>645 mm<br>1<br>150 mm<br>150 mm<br>1<br>1000 mm<br>800 mm<br>20 l  |
| Pumping device<br>Pump:<br>Number of pumps:   | SPF 1400-S3 EcoXL<br>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: Standby power: Alarm sensor: Level measurement instrument: Type of level measurement: Protection class control unit: Operating voltage:

25 kg coded plug 7,3 A L F 0,98 IP 68 (3m/48h) integrated 40 °C 28 m³/h 7.5 m 1370 U/min 1.6 kW 1.1 kW S3 - 50 % C 16 A H07RN-F 7G 1.5 mm<sup>2</sup> Multi-vane impeller 40 mm 10 m **Comfort Plus** 5 W optical probe Immersion pipe pneumatic IP 54 230 V coded plug 1,6 m yes yes yes yes

Connection type:

GSM interface:

**USB** interface:

Log book function:

Multi-line display:

Battery buffering:

Self-diagnosis system (SDS):

Potential-free contact:

Length of mains cable for control unit:

Type of fuse required (electrical protection):

yes

yes

yes

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