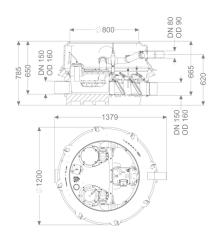


Backwater lifting station Ecolift XL Mono, 2 motor-driven flaps, SPF 4500-S3, Taper





Article information

Item no.: 8741051 GTIN: 4026092070604 Price group: 60

Advantages

- Wastewater drainage without interruption, even if a power failure occurs
- Low pump use
- minimised noise emissions
- ensures low power consumption
- Reduced maintenance costs due to longer maintenance intervals in commercial/industrial use

Description

The backwater lifting station for faecal and non-faecal wastewater is equipped with one submersible pump, 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.Type of wastewater:wastewater with and without sewage
underground installation, floor slab installation

Version:

Type of system: Shut-off valve: Pump control: Backflow preventer: Note on installation depth: Passage seal for ventilation pipe (DN): Passage seal for conduit pipe (DN):	Single station Shut-off valve made of polymer Control unit integrated Version with lowest installation height 70 mm 100 mm
Delivery state: Backwater protection: Number of motor-driven backwater flaps:	Pre-mounted for final assembly on site (pumps and sensor system must be fitted on site and control unit must be connected) Type 6 2
General characteristics:	
Colour:	black
Approval:	Z-53.2-493
Dimensions:	
Length: Width: Height:	1,245 mm 1,200 mm 780 mm
Tank:	
Number of inlets: Inlet nominal size (DN): Number of outlets: Outlet nominal size (DN): Distance pipe bottom inlet to tank bottom: Distance pipe bottom outlet to tank bottom: Tank volume: Pumping volume: Pressure pipe connection: Pressure pipe connection (DN): Pressure pipe connection (OD):	1 ST 150 1 ST 150 135 mm 120 mm 65 l 20 l horizontal 80 mm 90 mm



Venting connection (DN): Channel: Groundwater resistant from lower edge of base section: Clear width of tank (LW): Clear width of entry (LW): Nominal pressure (PN):

continuous channel 3,000 mm 1,000 mm 800 mm 10

70 mm

40 mm

Free passage:

Pumping device:

Pump:	SPF 4500
Number of pumps:	1
Max. pumping capacity:	45 m3/h
Max. pumping height:	21 m
Operating mode:	S3 - 50 %
Power P1:	4.2 kW
Power P2:	3.5 kW
Speed:	2,850 U/min
Type of fuse required (electrical protection):	3 x C 16 A
Max. temperature (permanent) of conveyed	40 °C
material:	
Connection type:	Direct connection
Weight:	26 kg
Impeller type:	Multi-vane impeller
Length of mains cable for pump:	10 m
Rated current:	7.5 A
Protection class (pump):	IP 68 (3m/48h)
Protection class:	I
Type of pump connection cable:	H07RN-F 7G 1.5 mm2
Temperature monitoring:	integrated
Cos phi - power factor:	0.85
Insulation class:	F

Vertical drop between inlet and outlet:

Control:

Control unit:	Comfort Plus with redundancy
Operating voltage:	400 V
Mains frequency:	50 Hz
Self-diagnosis system (SDS):	yes
Battery buffering:	yes
Multi-line display:	yes
Log book function:	yes
USB interface:	yes
GSM interface:	yes
Potential-free contact:	yes

15 mm



Motor protection switch: Standby power: Protection class control unit: Length of mains cable for control unit: Type of level measurement: Level measurement instrument: Alarm sensor: yes 5 W IP 54 0 m pneumatic Immersion pipe optical probe