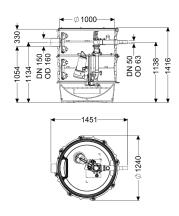


Pumping station Aquapump XL Tronic, STZ 3700-S1





Article information

Item no.: 8743016 GTIN: 4026092075708

Price group: 60

Advantages

- Maximum safety
- Flexible installation
- Suitable for potentially explosive atmospheres

Description

The pumping station for wastewater with and without sewage is equipped with one or two submersible pumps, a backflow preventer and a shut-off valve for the pressure pipe. The collection tank made of permanently resistant polymer (PE) has an open pump tank (wet installation) with universal connection options. The station is controlled by a user-friendly control unit, which is optionally integrated in the building management system via a potential-free contact. Alternatively, alarm and collective fault messages can be output via a GSM interface. The KESSEL modular system provides different engineering chamber options as accessories for the further layout. Stainless steel pump removal chain available as accessory. Art. no. 680 528 = length 2 m 680 529 = length 3 m 680 530 = length 4 m 680 531 = length 5 m

Variant

Note on installation depth: in combination with a chamber module

Type of system: Single unit

Shut-off valve: Shut-off valve made of polymer

Passage seal for conduit pipe (DN): 100
Access steps: yes
Passage seal for ventilation pipe (DN): 100

Installation:

Pump control:

Backflow preventer:

Pressure pipe connection:

Wet installation
Control unit
integrated
horizontal

General characteristics



Colour: black
Standard: EN 12050-1
Type of wastewater: with sewage

Installation situation: underground installation

Delivery state: Pre-mounted for final assembly on site (pumps and

sensor system must be fitted on site and control

unit must be connected)

System type: Tronic

Dimensions

Net weight: 168 kg
Gross weight: 191 kg
Groundwater resistant from lower edge of base 3000 mm

section:

Length:1240 mmWidth:1240 mmHeight:1416 mmPackaging dimension:lengthPackaging dimension:widthPackaging dimension:height

Tank/drain body

Pressure pipe connection (DN): 50
Pressure pipe connection (OD): 63 mm
Distance from centre of outlet pipe to tank 1134 mm

bottom:

Distance pipe bottom inlet to tank bottom: 1054 mm Distance from centre of inlet pipe to tank 1134 mm

bottom:

Distance from inlet pipe invert to top of tank:

330 mm
Inlet max. scoring (DN):

150 mm
Inlet nominal size (DD):

160 mm
Inlet nominal size (DN):

150 mm

Number of inlets: 1

Clear width of tank (LW): 1000 mm Pumping volume: 310 l

Pumping device

Pump: STZ 3700

Number of pumps: 1
Weight, pump: 44 kg

Connection type: Direct connection

Operating voltage: 400 V
Protection class: I
Insulation class: H
Cos phi - power factor: 0,82

Protection class (pump): IP 68 (20m) Temperature monitoring: integrated Max. temperature (permanent) of conveyed $40 \,^{\circ}\text{C}$

material:



Max. pumping capacity: 28 m³/h Max. pumping height: 35 m

Speed: 2900 U/min

Power P1: 3,7 kW
Power P2: 3,1 kW
Operating mode: S1

Type of pump connection cable: H07RN8-F 6G 1.5 mm²

Impeller type: Macerator
Length of mains cable for pump: 10 m
Rated current: 6,4 A

Control

Control unit: Comfort Motor protection switch: yes

Alarm sensor:
Level measurement instrument:
Level sensor
Type of level measurement:
hydrostatic

Protection class control unit: IP 54
Mains frequency: 50 Hz
Operating voltage: 400 V

Connection type: Direct connection

Potential-free contact: yes
GSM interface: yes
Log book function: yes
Multi-line display: yes
Battery buffering: yes
Self-diagnosis system (SDS): yes