# Pump system Aquapump Retrofit Duo, STZ1000-S3, subm. pressure switch

## Article information

Item no.: AQUALI1000F_D
GTIN:
Price group: 60

## Description

The retrofit kit for installation in existing collection tanks for faecal-free wastewater is equipped with two submersible pumps, a backflow preventer and a manual locking device. The polymer profile (PE) is used to mount and fix the pumping station. Quick-release closures enable easy removal of the pumps. The station is controlled either by a float switch or by a user-friendly control unit, which can be optionally integrated in the building control system via a voltage-free contact. Alternatively, alarm and collective fault messages can be output via a GSM interface.

Variant
| | |
|---|---|
| Type of system: | duo pump |
| Rim width: | Control unit |
| Backwater protection: | integrated |
| Pressure pipe connection: | horizontal |

General characteristics
| | |
|---|---|
| Standard: | EN 12050-2 |
| Type of wastewater: | with sewage |
| Installation situation: | installation in on-site collecting tank |
| Delivery state: | Modular set for assembly on site |
| System type: | Duo |

Pumping device
| | |
|---|---|
| Pump control: | STZ 1000 |
| Number of pumps: | 2 |
| Weight: | 10 kg |
| Connection type: | coded plug |
| Rated current: | 5,2 A |
| Length of mains cable for pump: | 10 m |
| Self-diagnosis system (SDS): | I |
| Insulation class: | F |
| Cos phi - power factor: | 0,97 |
| Protection class control unit: | IP 68 (3m) |
| DSC: | integrated |
| Max. temperature (permanent) of conveyed material: | 40 °C |

Max. pumping capacity:                               11,5 m³/h
Max. pumping height:                                 10 m
Speed:                                               2800 U/min
Power P1:                                            1,2 kW
Power P2:                                            0,69 kW
Operating mode:                                      S3 - 50 %
Type of fuse required (electrical protection):       C 16 A
Type of pump connection cable:                       H07RN-F 3G 1.5 mm²
Impeller type:                                       Macerator

Control
Control unit:                                        Comfort
Alarm sensor:                                        optical probe
Level measurement instrument:                        Submersible pressure switch
Type of level measurement:                           pneumatic
Protection class probe:                              IP 54
Mains frequency:                                     50 Hz
Operating voltage:                                   230 V
Connection type:                                     coded plug
Length of mains cable for control unit:              1,4 m
Potential-free contact:                              optional
GSM interface:                                       yes
USB interface:                                       yes
Log book function:                                   yes
Multi-line display:                                  yes
Battery buffering:                                   yes
Self-diagnosis system (SDS):                         yes
Rated current:                                       5,2 A