



Centerage pump station



Design

Ready-to-connect package single or dual pumping station with PE-LLD (polyethylene) collecting tank for underground installation. Equipped with one or two Centerage submersible waste water pumps without explosion protection. Collecting tank design to DIN 1986-100 and EN 752 / EN 476. Automated with switchgears and LevelControl.

Applications

Renovation of premises, sewage disposal in various sectors, joint sewage disposal for several residential units, pumped drainage.

Description of the Collecting Tank

General description

The Centerage pumping station is designed for the disposal of domestic sewage and waste water. It can be installed in the soil without any concreting work. Application as ready to-use pumping station in conjunction with gravity discharge lines or in conjunction with pumped drainage systems.

Systems with Sewage submersible motor pumps are suitable for transporting waste water and sewage containing faeces.

Design details

Ready-to-connect package single or duplex pump station with polyethylene collecting tank for underground installation.

With one (two for duplex-pump stations) powerful submersible waste water pump(s) with cutter.

Tank design to DIN 1986-100 and EN 752/EN 476/EN 1671.

Complete discharge line, automatic above-water coupling system, integrated angle globe valve with connection for flushing option and socket ball valve.

Coupling unit, piping and valves made of stainless steel.

Design and function



Function

The Centerage pumping station collects waste water in a plastic tank. From a set water level the system discharges the waste water into the sewer system.

Collecting tank and tank cover

Collecting tank

Collecting tank made from polyethylene, with lift protection, groundwater-safe, designed to prevent deposits and equipped with pre-fabricated external transport lugs. The collecting tank meets the requirements of load class B when the respective tank cover is used.

Tank diameter	800 mm
Tank depth	1820 mm, with tank extension up to 2700 mm
Inlet	3 DN 150 inlet nozzles, 1 DN 200 inlet nozzle, at different levels and covered
Discharge outlet	DN 32 single-pump station DN 40 duplex-pump station
Venting and cable entry	2 DN 100 nozzles, covered (opposite to each other)
Emergency drainage	Emergency drainage

Overview of technical data

Type of bearing	Ball bearings
Drive frequency	50 Hz
Type of drive	Electric motor
Drive voltage	Low voltage, high voltage
Explosion protection	OHNE
Type of coupling	None
Type of lubrication	Grease lubrication
Pump set location	Wet well
Casing material (EN standard)	GRAUGUSS
Free passage	60 mm
Maximum head	21, 00 m
Installation position	Vertical
Main applications	Waste water / sewage; Building services
Maximum drive rating	1, 50 kW
Type of installation	Under ground
Maximum flow rate	40 m ³ /h
Maximum speed of rotation	2900 rpm