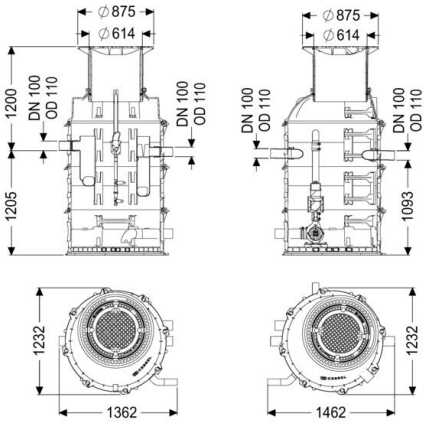
Data sheet

Grease separator EasyClean ground NS 1, Auto Mix & Pump, 1260-1700 mm, A/B



Article information

article number: 93001/170B-PVS-TS
EAN code
Price group: 60

Product advantages

- Fully automated disposal and rinsing device
- Customisation possible through control unit
- Clean and odour-free disposal and cleaning

Description

The separator for greasy wastewater for underground installation consists of a grease separator and an engineering chamber. The two-piece system made of permanently resistant polymer (PE) is equipped with an integrated sludge trap and an integrated sampling device. Access for cleaning and maintenance work is provided by inspection openings, with polymer upper sections for continuously adjustable height and level compensation. The innovative Shredder-Mix-System with integrated macerating system is responsible for homogenising and circulating the tank contents. Cleaning and odour-neutral disposal takes place via an exterior submersible pump which is installed in a separate engineering chamber and can be disconnected from the tank by a shut-off valve. The fully automatic program run is controlled by a user-friendly control unit with multi-line display that can be integrated into the building management system through a potential-free contact. The control unit with 10 m long cable is installed in the engineering chamber in the factory. Cleaning and disposal can be started remotely using the remote control. Thanks to the customisable cleaning program with fast-selection function, cleaning can be adapted to the local circumstances as required. Observance of the Drinking Water Hygiene Directive can be guaranteed through the fully automatic rinsing of the drinking water pipes. The refill inlet and solenoid valves must be installed in a dry room on site. The connections between the grease separator and the engineering chamber as well as the reserve conduits and the connections must be made on site. (see connection set 917421). A load distribution slab must be installed on site for load class D. The reinforcement drawings are available from KESSEL. 20 year polyethylene warranty.

General features

Standard	EN 1825: 2004
Installation situation	underground installation
Tightness	odour-tight and surface water resistant

Version

Note on installation depth	Ground installation frost-free depth 1700 mm
Shut-off valve	yes
Disposal variant	Auto Mix & Pump
Shredder-Mix-System	yes
Inspection window	no
Nominal size (NS)	1
SonicControl	no
Disposal system	Disposal pump
Refill inlet in accordance with DIN 1988	yes
Type of disposal	automatic disposal and cleaning system
Water supply	2 solenoid valves 1"
Sampling device	Type NBG
Load-bearing capacity (DIN 19901)	E2

Dimensions

Net weight	490 kg
Gross weight	510 kg
Groundwater resistant from lower edge of base section	3000 mm
Diameter	648 mm
Max. length	2790 mm
Installation depth	1260|1700 mm
Required access area, length	1425 mm
Required access area, width	1235 mm
Packaging dimension: length	3812 mm
Packaging dimension: width	1287 mm
Packaging dimension: height	2418 mm

Tank/drain body

Distance pipe bottom outlet to tank bottom	595 mm
Distance pipe bottom inlet to tank bottom	705 mm
Outlet nominal size (OD)	110 mm
Outlet nominal size (DN)	100
Inlet nominal size (OD)	110 mm
Inlet nominal size (DN)	100
Connection inlet/outlet sockets	PE-HD pipes in accordance with DIN 19537, PVC-KG pipes in accordance with DIN 19534, PP or AS
Clear width of tank (LW)	1000 mm
Clear width of entry (LW)	600 mm

Coverage features

Type of cover	Cover plate
Cover material	Grey iron
Colour of cover	black
Locking	unlocked
Load class	B 125 (EN 124)
Tightness	odour-tight and surface water resistant

Pumping device

Pump	SPF 300 IP68
Number of pumps	1
Weight, pump	44 kg
Connection type	Direct connection
Protection class	I
Insulation class	F
Protection class (pump)	IP 68
Temperature monitoring	integrated
Max. temperature (permanent) of conveyed material	40 °C
Max. pumping capacity	60 m³/h
Max. pumping height	17 m
Speed	2850 U/min
Power P1	3.6 kW
Power P2	3 kW
Operating mode	S2 - 30 min.
Type of pump connection cable	H07RN-F 7G 1.5 mm²
Impeller type	Radial impeller with macerating system
Length of mains cable for pump	5 m
Rated current	6,2| A

Control

Control unit	yes
Motor protection switch	yes
Type of fuse required (RCD)	30 mA
Protection class control unit	IP 54
Mains frequency	50 Hz
Operating voltage	400 V
Connection type	Direct connection
Potential-free contact	yes
GSM interface	no
USB interface	yes
Log book function	yes
Multi-line display	yes
Battery buffering	no
Self-diagnosis system (SDS)	yes
Type of fuse required (control unit)	Fuse protection through control unit 400 V
Rated current	|

Separator contents	230 l
Total volume	370 l
Contents of sludge trap	140 l
Storage quantity of grease	70 l