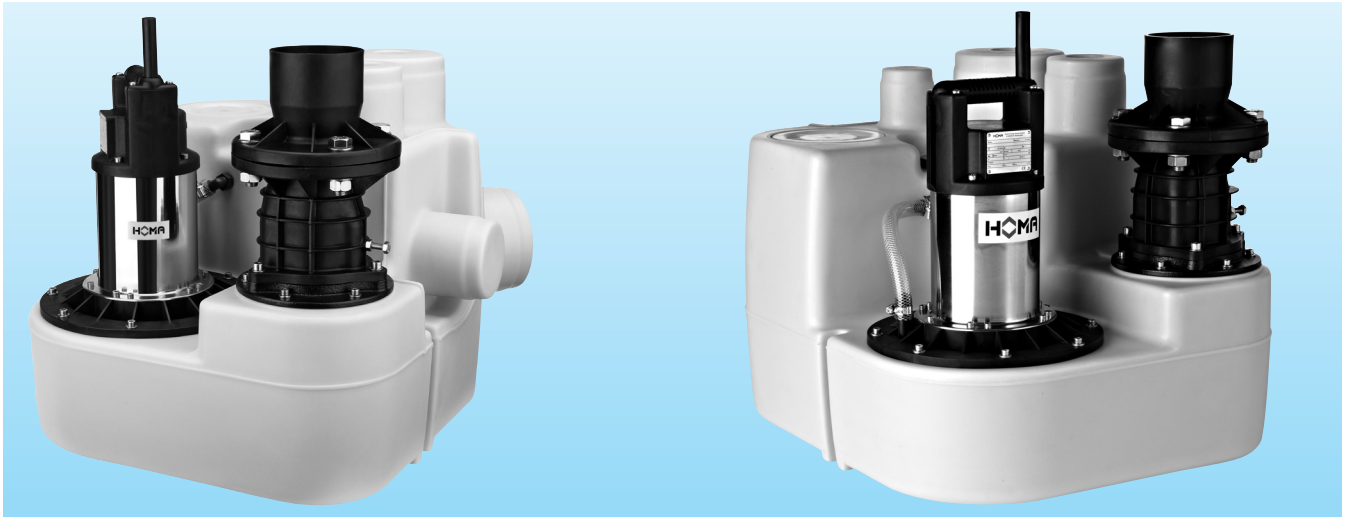


Compact sewage disposal unit with integrated swing check valve

Sanistar C



Application

HOMA Sanistar C are compact sewage disposal units. They are suitable for pumping sewage and waste water from toilets, hand basins, showers and rooms which are below the sewer level according to DIN 1986.

Even if there is a natural fall, if the sewer is flooded, the sewage is unable to drain. In this case, HOMA Sanistar C will prevent a back up and flooding of the room.

HOMA Sanistar C is the ideal solution for new constructions or renovation of old constructions.

They are used for applications in:

- single-family homes
- basement flats
- sanitary facilities in private cellar rooms

DIN EN 12050 - 1: Conformity and design approved and controlled by LGA.

Pumped liquid: Clear water or drainage water, waste water or sewage containing soft solids. Max. liquid temperature: 35°C, short term up to 60°C

Operation: Intermittent.

Design

Flood protected single pump lifting station consisting of:

Collecting tank: Odour and gas tight plastic collecting tank:

- DN 100 horizontal, 180 mm height
- DN 100 horizontal, 250 mm height
- DN 100 vertical
- DN 150 horizontal und vertical
- DN 40 vertical.

Discharge: Flange DN 80.

Flexible union piece DN 80/Ø 89. With integrated soft check valve.

Air vent: DN 70 vertical. Connection for diaphragm pump: BSP 1" F.

Cleaning cover with screw cap.

Pump: Pump chamber integrated in the collecting tank. Non clogging impeller, spherical clearance 40 mm.

Motor: Fully submersible, pressure tight electric motor, 1Ph or 3Ph. Thermal sensors embedded in the winding. Insulation class F. Degree of protection IP 68. Stainless steel rotor shaft, pre-lubricated bearings.

Cable:

Pump, 4 m: Model W: H07RN-3G1

Model D: H07RN-5G1,5

Control box plug, 0,8 m:

Model W: H05VV-F3G1,0

(plug 230 V) Ausf. D: H07RN-F5G1,5

(CEE-plug 16 A / 400 V)

Seals: Triple lip seal combination in separate oil chamber. Oil inspection from outside.

Materials

Collecting Tank	Polyethylene
Impeller	Cast steel
Pump flange, Motor housing cover	Glass-fibre, reinforced synthetic material (composite)
Pressure cover non-return valve	Cast iron
Non-return valve housing	Composite
Motor housing	Stainless steel
Rotor shaft	Stainless steel
Mechan. connection parts	Stainless steel
Seal kit	Perbonane

Equipment supplied

Tank with 1 pump, discharge with DN 80 soft check valve and flanged elastic union piece DN 80/Ø89 with hose bands, gasket and screws. Elastic union piece for inlet DN 100 and air vent DN 70 with hose bands. Fixing bolts for tank fixing point. Pneumatic level control. Electronic control box with cable.

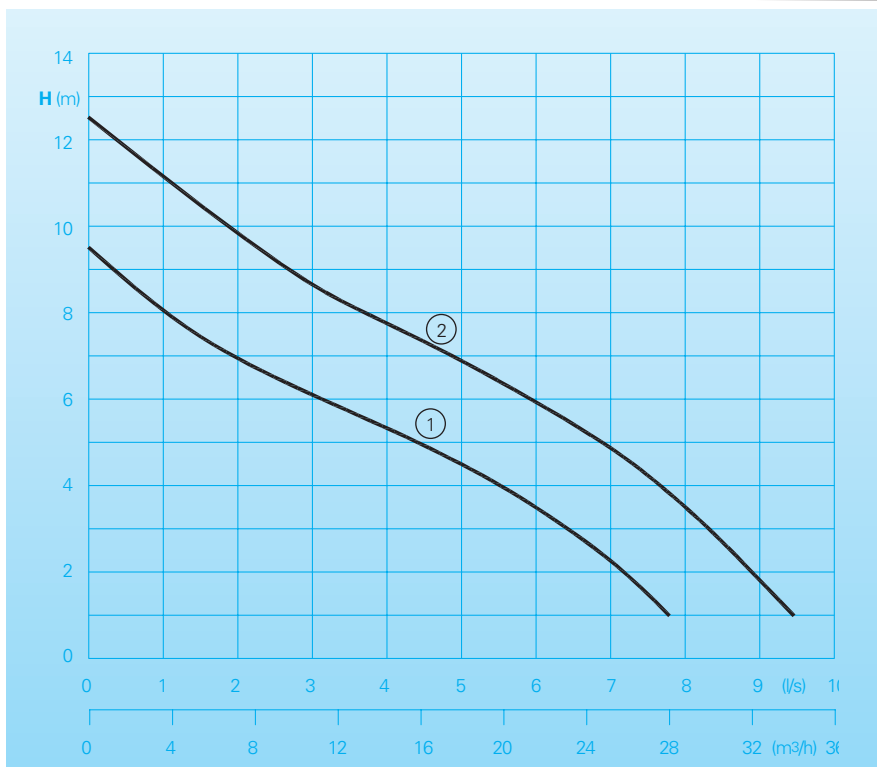
Control box

Pneumatic level control with pressure operation. Motor over run period which prevents sewage build up and blockage. Electronic control box for control and monitoring of all important functions. Motor protection with temperature control of the winding.

Optical failure alarm. Acoustic alarm by buzzer. Potential free malfunction alarms optionally retrofittable, see accessories. Control indication for direction of rotation.



Performances

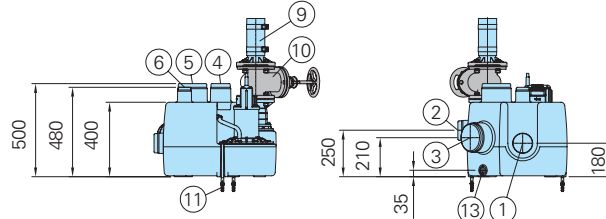
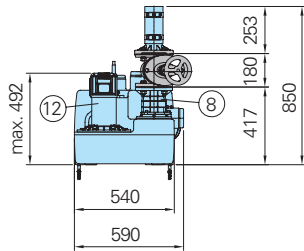


Technical Data

Curve No.	Typ	Motor input		Nominal current (A)	Collection tank total volume	Collection tank operating volume	Weight (kg)
		P ₁ (kW)	P ₂ (kW)				
①	Sanistar C102 W	1,2	0,9	5,3	70 l	30 l	32,0
①	Sanistar C102 D	1,2	0,9	2,2	70 l	30 l	32,0
②	Sanistar C106 W	1,6	1,2	7,0	70 l	30 l	33,0
②	Sanistar C106 D	1,5	1,2	2,5	70 l	30 l	33,0

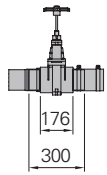
Speed: 2900 rpm | Model W: 230V/1Ph 50Hz | Model. D: 400V/3Ph 50Hz

Dimensions and main components (all dimensions in mm)



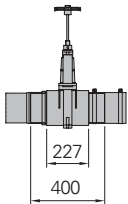
- ① Horizontal inlet DN100
- ② Horizontal inlet DN100
- ③ Horizontal inlet DN150
- ④ Vertical inlet DN100/40
- ⑤ Vertical inlet DN150/40
- ⑥ Air vent DN70
- ⑦ Cleaning cover
- ⑧ Soft ball check valve DN80
- ⑨ Elastic union piece (Connection for discharge)
- ⑩ Flanged spigot DN80
- ⑪ Tank fixing point
- ⑫ Pump C102 W/D or C106 W/D
- ⑬ Connection for diaphragm pump BSP1"
- ⑭ Connection for pneumatic control box

PVC-inlet valve
DN 100

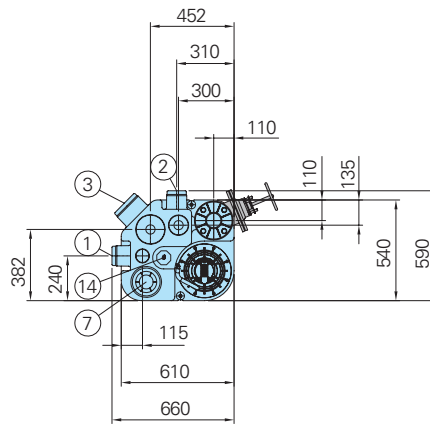


Connection for tank

PVC-inlet valve
DN 150

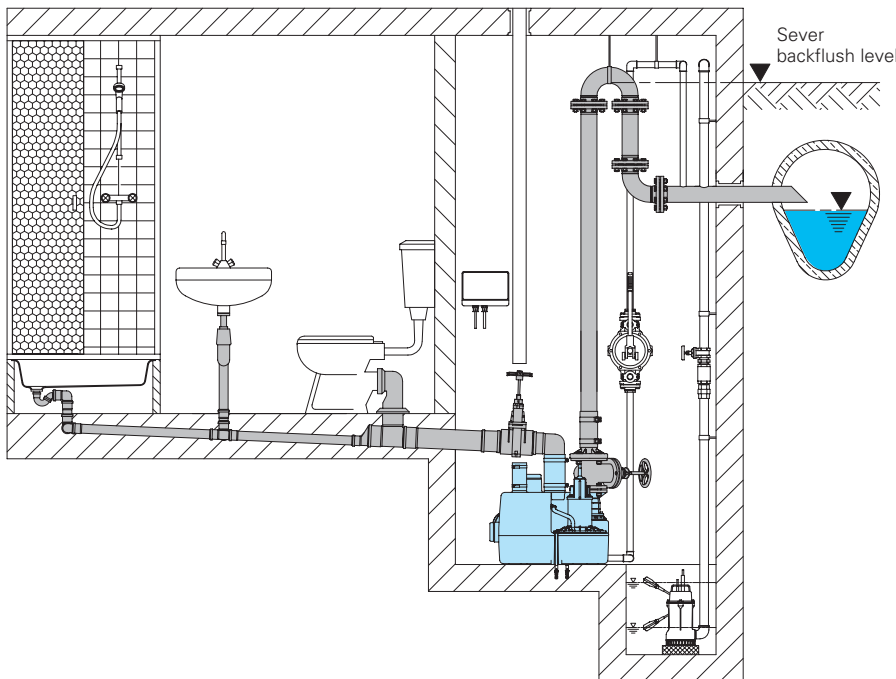


Connection for tank

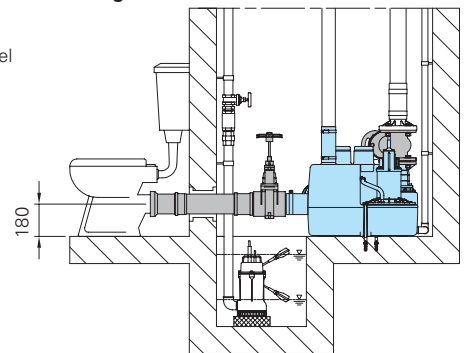


Installations

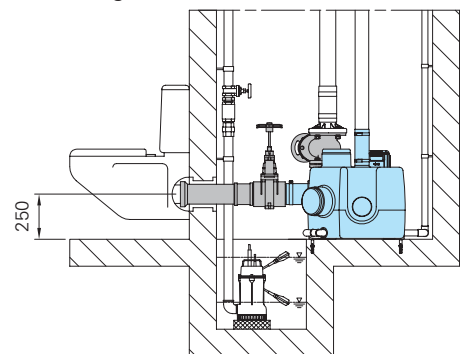
Main inlet vertical



Direct connection Euro WC (Inlet height 180 mm)



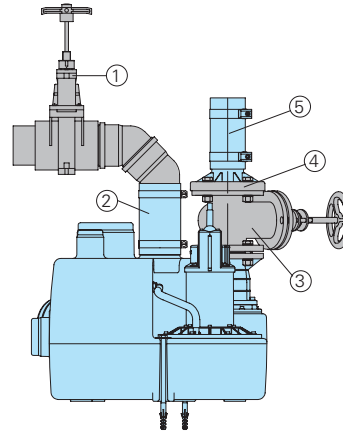
Direct connection Free standing WC (Inlet height 250 mm)



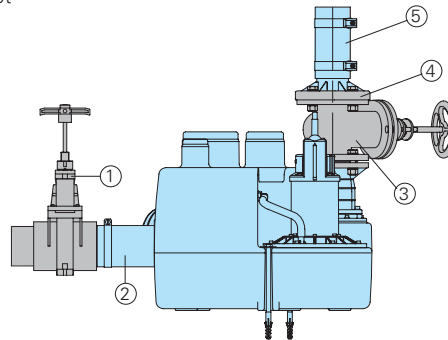
Accessories

Bezeichnung	Dimension	Part.-No.
① PVC-inlet valve	DN 100 DN 150	2214110 2214160
② Elastic union piece with hose bands	DN 100 DN 150	equipment supplied 21595420
○ Hose band	GBS 117/25 GBS 168/30	2311520 2317520
③ Flanged gate valve	DN 80	2216080
④ Set of bolts with rubber seal		2214081
⑤ Connection kit discharge	DN 80 DN100	equipment supplied 8609004
○ Diaphragm pump	BSP 1" F	8502445
○ Potential free malfunction alarms Collective alarm-Kit PCS1-SA-KIT		1964159
○ Accessories-Kit for retrofitting an mains-independent operation alarm signal Consisting of: PCS1-SA-KIT Alarm system AL3 Battery 9V		1964160

Vertical inlet



Horizontal inlet



HOMA
P U M P T E C H N O L O G Y

HOMA Pumpenfabrik GmbH
P.O. Box 22 63, D-53814 Neunk.-Seelscheid
Tel. +49 (0) 22 47 / 702-0, Fax +49 (0) 22 47 / 702-44
e-mail: info@homa-pumpen.de
www.homapumps.com