

INSTALLATION INSTRUCTIONS





The user should retain these instructions for future reference

SANIPACK®	230V-240V~
3 min/10 min	50Hz
K70-IP44	400W
  	

1 DESCRIPTION

SANIPACK® is a compact pump/macerator specially designed to take the waste from a wall hung or back to wall WC pan.
The **SANIPACK®** will pump away the waste from a WC, washbasin and shower.
SANIPACK® is for domestic use. Installed and used correctly, **SANIPACK®** will give consistent and reliable service.

Please note the following warning signs:

-  Possible danger to personnel,
-  Warning of possible electrical hazard.

WARNING: This is a general warning that failure to follow instructions could result in poor functioning of the unit.

2 TECHNICAL DATA

	SANIPACK®
Application	1 WC + Washbasin + Shower
Maximum Vertical Pumping	4 m
maximum Horizontal Pumping	50 m
Normal Power Rating	400 W
Electric Class	I
Type	K70
Noise Level	57dBA
Degree of protection	IP44
Net Weight	4,8 KG

3 LIST OF ACCESSORIES INCLUDED- see drawings.

4 DIMENSIONS- see drawings.

5 PERFORMANCE CURVE- see drawings.


6 VERTICAL/HORIZONTAL PUMPING COMBINATIONS- see drawings.

7 INSTALLATION

 **SANIPACK®** is designed to fit behind panelling, and should be installed by a qualified person.

7a EXAMPLE OF INSTALLATION

See drawings **7a1 7a2 7a3 7a4**.

 **WARNING:** Provide an access panel of the following dimensions to enable the unit to be removed for possible service:

L= 400mm x H = 400mm if the side inlets are not utilised
L= 500mm x H = 500mm if the side inlets are utilised

WARNING: A screwdriver or other tool should be required to remove the access panel.

7b CONNECTION TO A WC

The flexible sleeve is designed to fit onto the 100mm WC pan spigot.

Grease the pan spigot with silicon lubricant or liquid soap.

Align the flexible sleeve with the pan spigot.

Pull the flexible sleeve over the pan spigot using the two ears projecting from the sleeve.

WARNING: If the height of the WC can be adjusted, give a 3% minimum fall to the discharge pipe.

7c CONNECTION TO SIDE-INLETS (SHOWER AND WASHBASIN)

- To make the connection to the side inlets, use connector **A**. Secure it with plastic clips **B** and **C**.
- Cap off unused inlets with plugs **D** (pre-grease the joint before fitting).

WARNING:

When fitting a shower, ensure that the underside of the tray is at least 12cm above floor level.

7d CONNECTION OF A WASHBASIN

The washbasin can be connected in two ways. To one of the side inlets (see **7c**)

To the inlet on the lid (the premarked opening has to be cut out)


- Use a suitable cutter to make the opening in the lid.
- There is a ridge where the hole has been partially pre-cut. Cut the hole with care, and de-burr it, to avoid leaks when adapter **E** is fitted.
- Insert the adapter **E** into the lid.
- Slide the washbasin waste pipe into the adapter (it will accept 32mm or 40mm pipe)

7e CONNECTION OF THE DISCHARGE PIPE

- If required, cut off the end of the elbow **F** in order to accommodate the appropriate discharge pipe.
- Point the non-return flap so that it opens in the direction of flow of the discharge pipe.
- Secure the base of the discharge elbow with clip **G** and the discharge pipe end with clip **H**.
- We would recommend that a drain-off point is installed to allow the discharge pipework to be drained down before any service work.

WARNING: Use smooth pulled bends for discharge pipework, or 2 x 45° bends in series.

7f ELECTRICAL CONNECTION

 The electrical installation should be carried out by a qualified person, and conform to BS7671 1992 requirements for electrical installation.

The **SANIPACK®** requires a 230v/240v single-phase AC50 HZ supply. (UK specification) and should be connected to an unswitched fused wiring connector protected by a 5 amp fuse or circuit breaker (30mA)

The wires in the mains lead of the **SANIPACK®** are coloured as follows:

Brown	=	Live
Blue	=	Neutral
Green/Yellow	=	Earth

8 COMMISSIONING THE UNIT

Once all electrical and plumbing connections have been checked, flush the WC.

The motor of the **SANIPACK®** should operate from 10 to 20 seconds, depending on the height and length of the discharge pipework. If it runs for more than 25 seconds, check that the discharge pipe is not kinked or blocked.

To check that all connections are watertight, run the WC, shower, washbasin, one after the other for a few minutes to represent normal usage. Ensure there are no leaks.

Do not secure the access panel until all the connections have been checked.

WARNING: There should be no dripping of water from the WC cistern or taps. If there is, this will cause the unit to activate repeatedly as it pumps the water away.

9 USAGE
A WC fitted with a **SANIPACK®** does not require any special maintenance. The **SANIPACK®** will operate automatically as soon as the required level of water enters the case.
The **SANIPACK®** will pump away the waste from a domestic WC, washbasin and shower.
It is not suitable for heavy commercial/industrial applications.

WARNING: If the **SANIPACK®** runs with very hot/boiling water for a prolonged time, the thermal cut out device will stop the motor from operating. In this case, it will take approximately one hour for the motor and water to cool down, after which it will automatically re-activate. Do not use **SANIPACK®** with a shower discharging at more than 15 litres per minute.



WARNING: The **SANIPACK®** should only be used for the evacuation of normal human waste, toilet paper and household WC cleansers. Damage may occur to the machine if the following are disposed of in the WC: Cotton wool, tampons, sanitary towels, condoms, wet wipes, kitchen towels as well as other fabric or hard items.
A build-up of hair can cause problems, so a hair trap should be fitted to a shower.
Finally, solvents, acids and other chemicals can also damage the unit, and will invalidate the warranty.

10 CARE OF YOUR SANIPACK
• Normal household bleaches/WV cleansers can be used with a **SANIPACK®**.
• To avoid the build up of limescale in the unit, use the following procedure:
• Disconnect the power supply to the unit.
• Pour 3 to 4 litres of water mixed with a strong solution of descalent/spirit of salts into the WC pan.
• Leave it to stand for 1 or 2 hours, then reconnect the electric supply.
• Flush several times to clear.

The frequency of this operation will depend on the hardness of the water in your locality. We would recommend this be done about twice a year.

11 SERVICE
Disconnect the electric supply before attempting any work on the unit.

The **SANIPACK®** does not require any particular maintenance.
Any service work on the unit should be carried out by a registered Saniflo engineer.
This is particularly important if changing the electrical cable is involved.

12 FAULT-FINDING CHART

For the most part, any inconsistencies in the operation of the unit will be minor and easily rectified. Please refer to the chart below. If the problem cannot easily be remedied in this way, please call our Service Organisation.

SYMPTOM	PROBABLE CAUSES	REMEDIES
• The motor intermittently activates.	• <i>The WC cistern or taps are dripping.</i> • <i>The external non-return valve D is faulty.</i>	• Check the appropriate washers/seals on the cisterns/taps etc. • Clean or replace the non-return valve.
• The water in the WC pan goes down very slowly.	• <i>The inner grille is clogged.</i> • <i>The opening from WC pan to the unit is blocked.</i>	• Call a service engineer to clear the grille. • Unblock the WC to unit connection.
• The motor operates normally, but continues to run for a long time.	• <i>The length or height of the installation is over specification, or there are too many bends/elbows.</i> • <i>The pump itself is blocked.</i>	• Check the installation. • Call a service engineer to unblock the unit.
• The motor does not activate.	• <i>The electrical supply is switched off or faulty.</i> • <i>The motor is defective.</i>	• Restore the electrical supply. • Call a service engineer to inspect the motor.
• The motor emits a rattling or crunching sound.	• <i>A foreign object has entered into the grille via the WC pan.</i>	• Call a service engineer to remove the foreign object from the unit.
• The motor hums, but does not turn.	• <i>The capacitor or motor is defective.</i>	• Call a service engineer to inspect the motor.

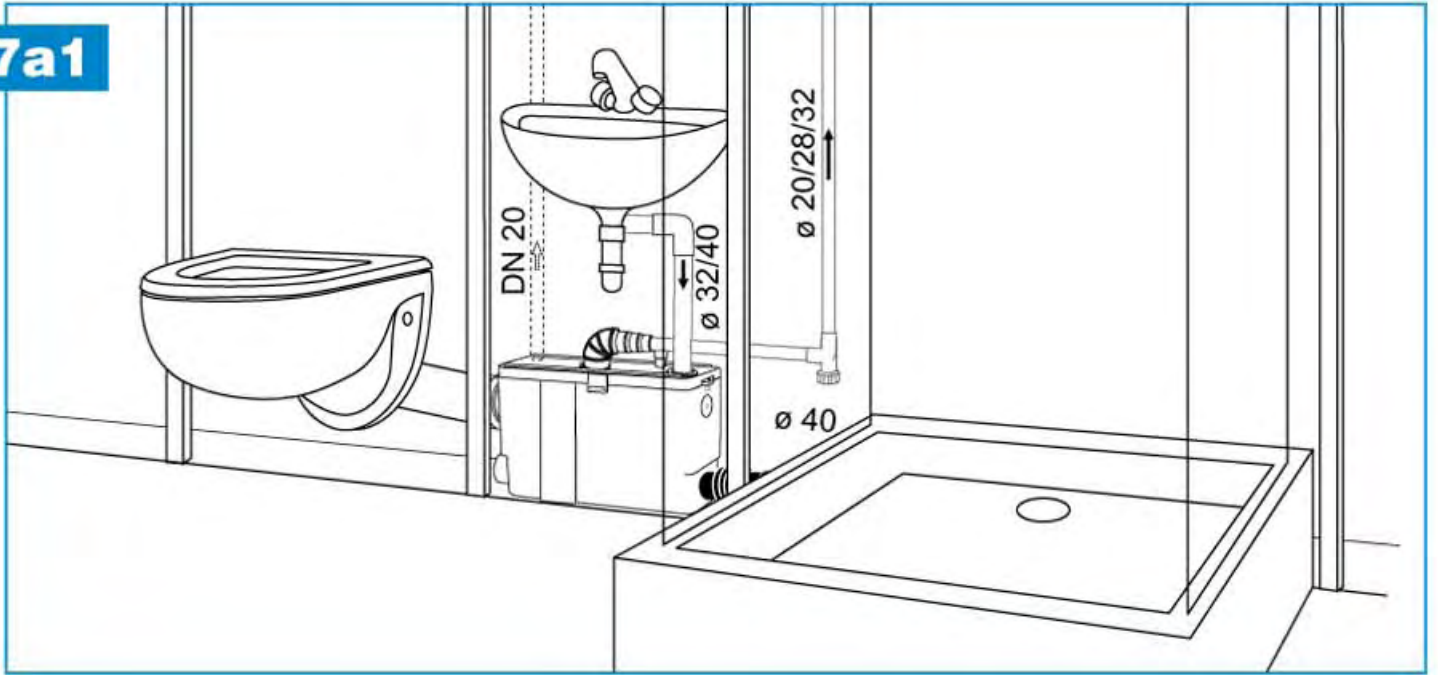
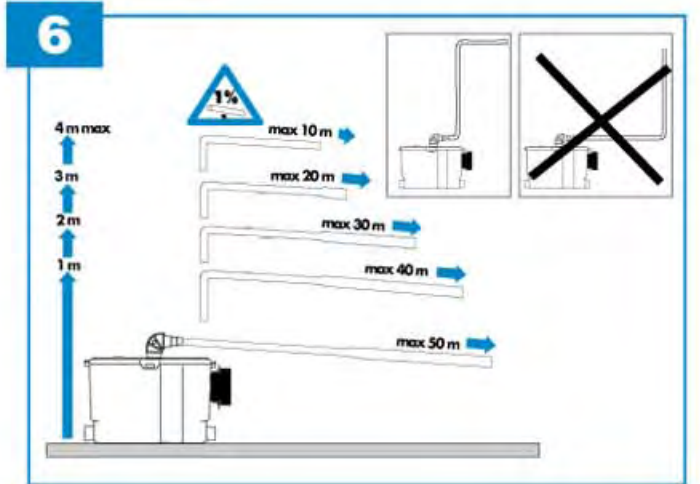
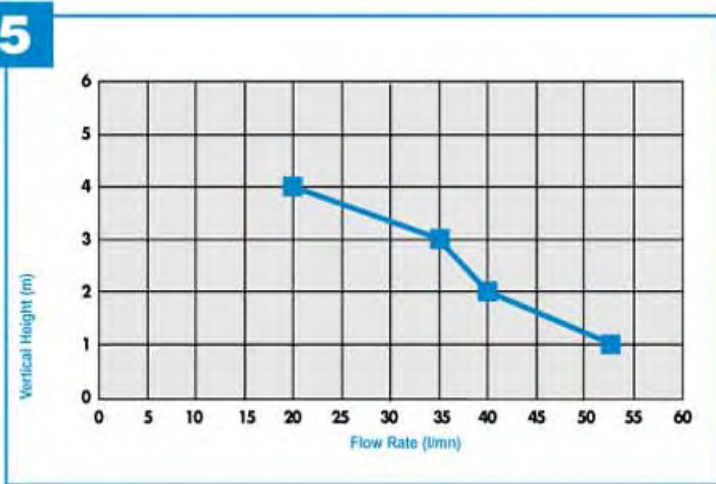
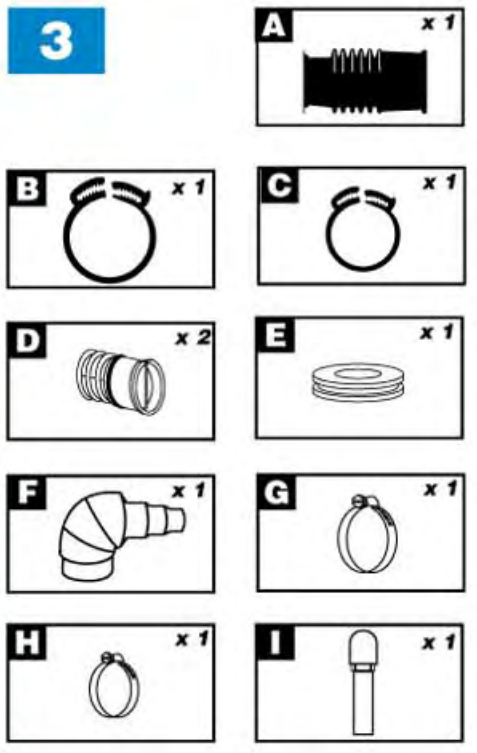
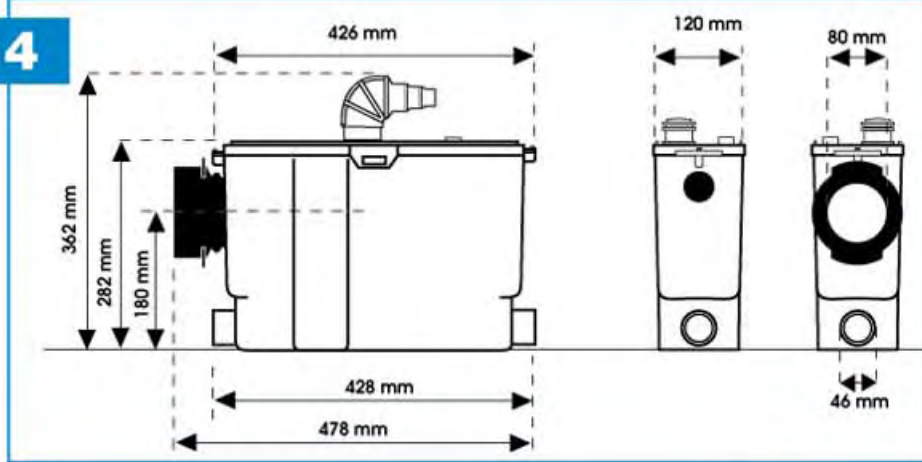
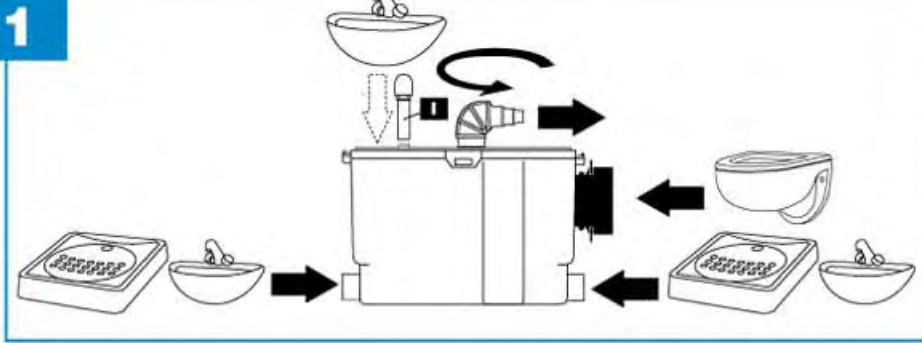
13 REMOVING THE SANIPACK® FROM THE WC SUITE

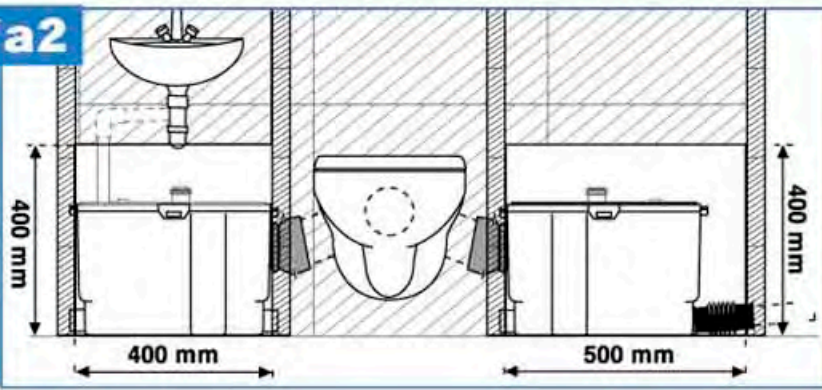
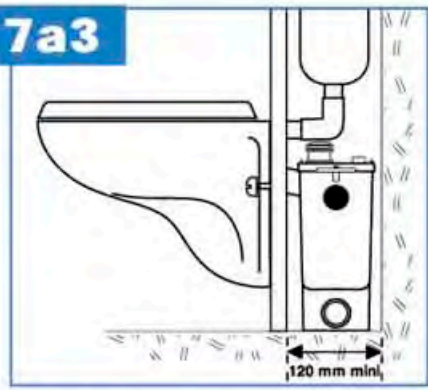
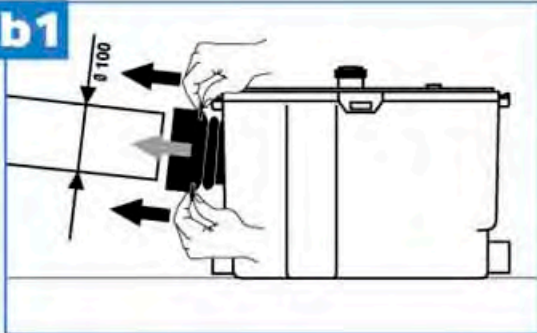
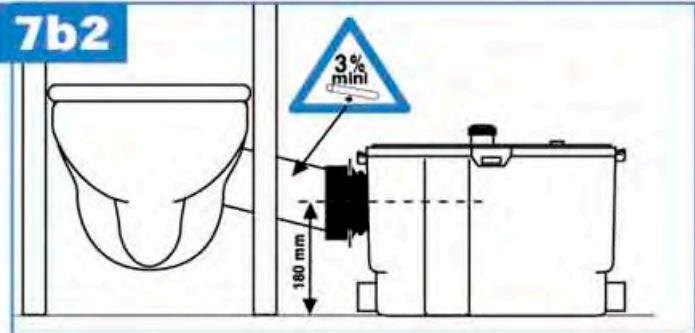
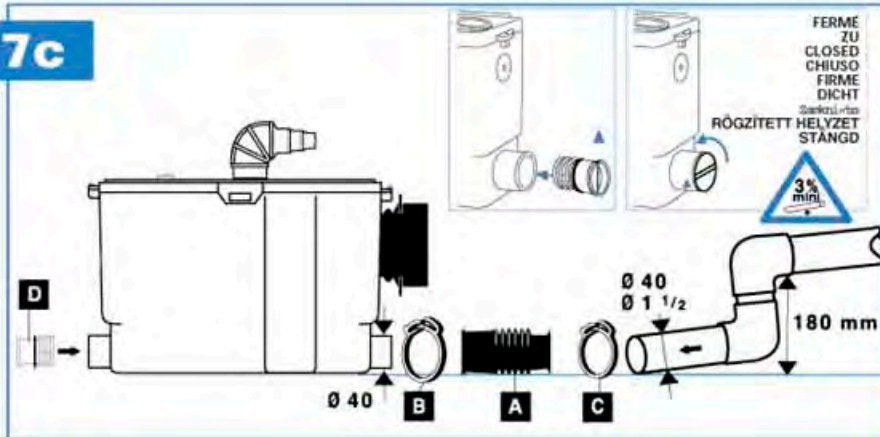
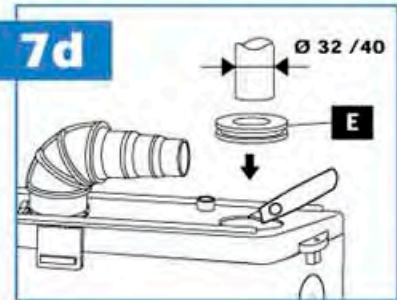
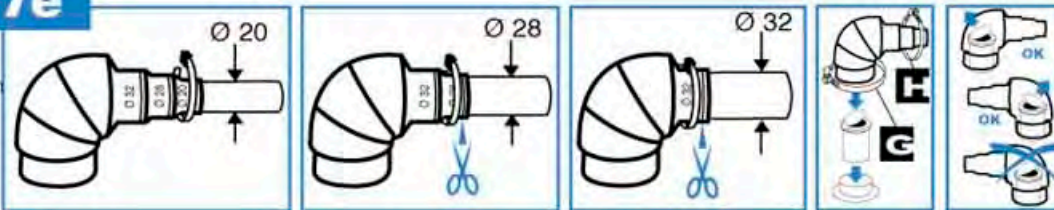
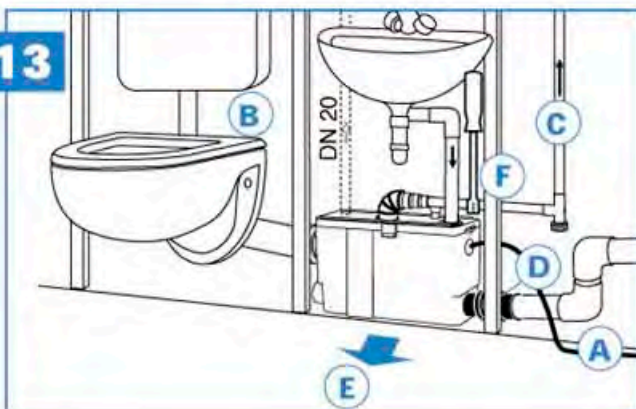
- (A) **Disconnect the electrical power supply.**
- (B) Turn off the water feed to the WC cistern. Bail out as much water as possible from the cistern.
- (C) Disconnect the discharge pipe.
- (D) Disconnect the inlet connections.
- (E) Ease the flexible connector off the WC pan spigot and slide the Sanipack out from behind the panel.

Note: To ease replacement of the lid onto the Sanipack case, lubricate the rubber seal with liquid soap before replacing.

Do not reconnect the electrical supply until the re-installation of the unit is complete.

14 GUARANTEE
SANIPACK® carries a 2-year guarantee subject to the unit being installed and used in accordance with these instructions.



7a2**7a3****7b1****7b2****7c****7d****7e****13**

SANIPACK®

