

1 DESCRIPTION

SANISAN® 4 is a domestic pump which will evacuate waste from a sink, dishwasher and washing machine. It works automatically.
Do not use with a waste disposal unit.

2 LIST OF ACCESSORIES INCLUDED : see drawings.

3 DIMENSIONS : see drawings.

4 TECHNICAL DATA

Applications	Dishwasher, Washing machine, Washbasin, Shower*, Sink, Tub*
Type	FF02-V30
Maximum Vertical Pumping	5 m
Voltage	220-240 V
Frequency	50 Hz
Maximum Power Rating	350 W
Maximum current consumption	1,7 A
Electric Class	I
Degree of protection	IP44
Net Weight	6,6 KG

* Where a shower is being installed, ensure that the waste grating is at least 18cm above floor level.

WARNING : Only installations conforming to the above specifications are acceptable.

5 PERFORMANCE CURVE : see drawings.

PUMP PERFORMANCE PARAMETERS

1 metre vertical - Equivalent to 10 metres horizontal.
All vertical measurements from ground level.

6 VERTICAL/HORIZONTAL PUMPING : see drawings.

7 CONNECTION INTO THE SANISAN® 4

The unit should be accessible for possible service.
The crusher has fastenings preventing it turning or from moving.

7a

Connect flexible sleeve **A** to the chosen inlet and secure with a «Herbie» clip **B** and **C**. Cap off any unused inlets with **D**. Grease joint and push in cap arrow uppermost. Give cap a clockwise quarter twist to lock.

7b

To connect to a top entry inlet, use a suitable cutter to make the opening. There is a ridge where the hole has been partially pre-cut. Cut the hole with care and deburr it, to avoid leaks when the adapter **E** is fitted. Insert the adapter **E** into the lid.
Slide the washbasin waste pipe into the adapter.

7c

If fitting bath/shower to unit, ensure the plug hole is at least 18cm (7 inch) above the base level of the **SANISAN® 4**.

7d CONNECTION OF THE DISCHARGE PIPEWORK

Insert the long end of elbow **F** into the exit pipe from the unit, and turn it to the direction required. Fit the non-return valve **G** to the other end.

WARNING: The non-return valve **G** should be positioned so that the embossed arrow is on the top, and pointing in the direction of flow.

Connect the discharge pipework directly onto the non-return valve in 32mm or 40mm.
Secure both ends of the non-return valve **G** with jubilee clips **H**.

Discharge pipework

The discharge pipework should be run in 1 1/4 inch (32mm) or in 1 1/2 inch (40mm) copper, or solvent weld plastic (BBA approved or BS kite marked).

All horizontal pipe runs must have a minimum 1% fall (1cm per metre). If a vertical rise is required it must be straight up at the start of the run. From the high point the fall must continue to the soil stack/drain.

7e

We would recommend that a drain-off point is installed to allow the discharge pipework to be drained down before any service work.

7f ELECTRICAL CONNECTION

All wiring must conform to BS7671, 1992 requirements for electrical installations. The **SANISAN® 4** requires a 220/ 240V single phase AC 50 Hz supply (UK specification). Do not connect **SANISAN® 4** to a conventional plug and socket. It must be wired into a fused, unswitched, fixed wiring connector fitted with a 5amp fuse. **SANISAN® 4** has an Earth wire. The wires in the mains lead are coloured in accordance with the following code:

Brown - Live Blue - Neutral Green/Yellow - Earth

Warning: Ensure the electricity is turned OFF at the main switch board before wiring to connector.

All work on cable, pressure chamber and motor should only be carried out by a qualified Sansan servicing agent, as special tools are required.
UK - 230/240V 50Hz.

8 NORM

- **SANISAN® 4** conforms to EN 12050-2.
Lifting plant for faecal-free wastewater.

9 CARE AND USE OF YOUR SANISAN® 4 UNIT

Your **SANISAN® 4** is designed to handle the waste evacuation from a domestic kitchen sink, dishwasher and washing machine - all working at the same time if required. Its powerful pump will deal with every day normal usage.

Warning: Do not dispose of solvents, paints (do not wash paint brushes in sink), caustic, acid or other chemicals into the **SANISAN® 4**.

Depending on usage, it is possible the **SANISAN® 4** may need to be cleaned from time to time. Heavy usage can result in a build up of fat and grease.

The **SANISAN® 4** unit will pump away water as hot as 60°C for a short period (i.e. to clear the hottest waste water from a washing machine). However, do not pour boiling water directly into the **SANISAN® 4** unit.

When the **SANISAN® 4** is pumping very hot water for a prolonged period of time, it will automatically cut out to protect the motor (thermal cut-out). When this happens the **SANISAN® 4** will shut down long enough to cool down (approx. 1 hour) and automatically resume normal operation when ready.

The **SANISAN® 4** is backed by a nationwide network of service engineers who will promptly respond in the unlikely event of any problems arising.

Service numbers can be found overleaf.

(For Canada - contact a local service centre who will deal with any problems with your **SANISAN® 4**).

10 WARRANTY

SANISAN® 4 is guaranteed for 2 years, on condition the unit is correctly installed and used.

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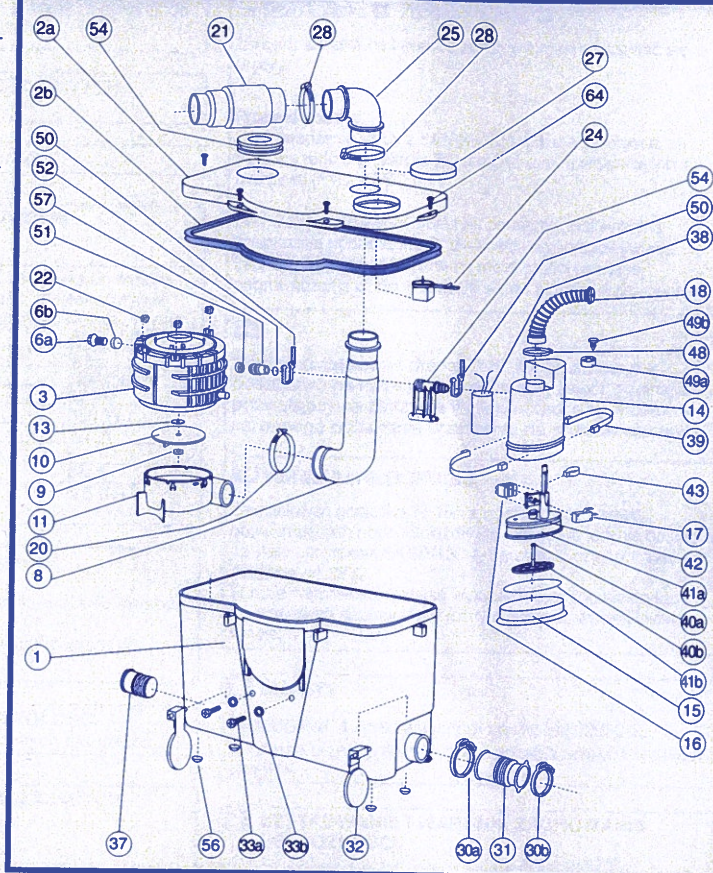
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SANISAN - D 2000 Design Plus - 100% Made in Italy - Printed in Italy - YOUR SERVICE HELPLINE IS AVAILABLE IN ALL COUNTRIES. IF YOU HAVE ANY PROBLEMS WITH YOUR SANISAN TOILET, PLEASE CONTACT YOUR LOCAL SERVICE HELPLINE. IF YOU ARE NOT SURE, PLEASE CONTACT OUR HEADQUARTERS IN ITALY. WE WILL BE GLAD TO ASSIST YOU.