

TECHNICAL SPECIFICATIONS

CONNECTIONS



TOILET



BATHTUB



DISHWASHER



SINK



SHOWER



BAR SINK



LAUNDRY SINK



WASHING MACHINE

APPLICATIONS



RESIDENTIAL



COMMERCIAL

Sanicubic® 1VX Vortex



Example of installation. Follow local plumbing codes for actual install.

The **Sanicubic 1 VX** is a **1.5 HP heavy duty simplex vortex system** used to pump away wastewater from several bathrooms and fixtures from an entire building structure. This system is able to discharge the waste up to **36 feet vertical and/or 328 feet horizontal using 2" pipe or up to 20 feet vertical and/or 1640 feet horizontal using a 4" pipe**. This lift station is ideal for uncontrolled environments in both residential and commercial applications (ie. rental unit, offices, warehouses, etc). The Sanicubic 1 VX incorporates a vortex impeller capable of handling up to 2" solids.

- **Discharges the waste through either a 2" or 4" rigid pipe.** A built-in non-return valve is included on the internal discharge pipe.
- Has been designed with a **2-1/2" vent connection** on the top of the enclosure. All plumbing codes require connection to a vent system. Please note that the vent system should be a two-way air vent as air needs to freely flow both ways. Note: The use of mechanical vents, air admittance valves or similar devices is not permitted.
- The Sanicubic 1 VX is IP68 rated for possible submergence which eliminates any potential water damage to internal components. It comes equipped with an external control panel as well as a visual and audible alarm system (15 Ft long wire).
- The pump discharges wastewater from **several toilets, sinks, bath/showers, urinals and even washing machines**. The wastewater from other sanitary fixtures is drained into the Sanicubic 1 VX via three 1-1/2" or 4" inlets on either side of the housing and on top of the enclosure. Note that when draining wastewater into the pump through either of the side inlets, an external check valve (not supplied) has to be installed. Also, note that there should be a minimum 11" height difference between the base of the Sanicubic 1 VX to the bottom of the shower/bathtub drain or to the base of the toilet.

PUMPING DISTANCE

2" Pipe

36 Ft



4" Pipe

20 Ft

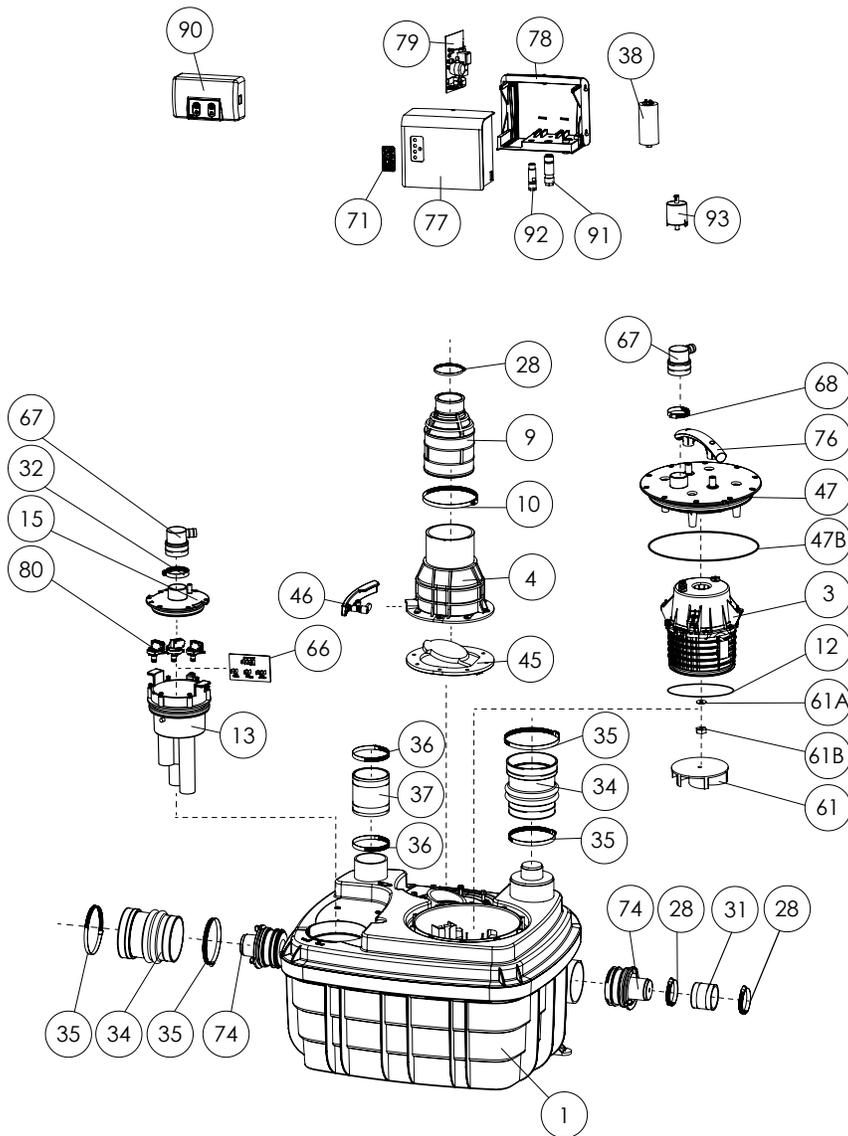


PRE-ASSEMBLED VORTEX SYSTEM CAPABLE OF DISCHARGING WASTEWATER FROM MULTIPLE FIXTURES

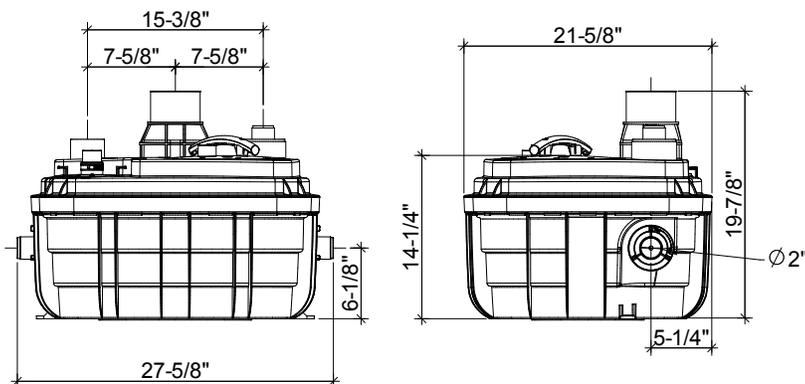
System can be installed **above the floor or inside a pit**. Powerful 1.5 HP motor for absolute reliability and efficiency that can handle up to **137 gallons per minute from several fixtures**. System is capable of handling **multiple fixtures simultaneously**.

TECHNICAL SPECIFICATIONS

PLEASE CALL US TOLL-FREE AT
800-571-8191 (US) / 800-363-5874 (CDN)
 TO PURCHASE PARTS REFERENCED BELOW



DIMENSIONAL DRAWINGS



Make the impossible possible with Saniflo!

TECHNICAL SPECIFICATIONS

Pump type:

Vortex

Electrical:

220-240 V (208V min) - 60 Hz / 12 Amps (Max)

Motor:

1.5 HP oil-filled thermally protected motor

Capacitor rating:

30 microfarad

Operating Temperature:

158°F

Power cord length:

98 inches

Noise level:

≤ 70 dBA (Lp) (measured at 3 ft.)

Discharge pipe diameter:

2" or 4"

Discharge rate at 36 ft (2"):

26 GPM

Discharge rate at 3 ft (2"):

125 GPM

Discharge rate at 20 ft (4"):

90 GPM

Discharge rate at 3 ft (4"):

137 GPM

Shut-off head:

43 ft.

Normal running time:

Depends on number of fixtures

Capacity:

15.9 gallons / 60.2 liters

Inlets:

1-1/2" or 4" (side), 1-1/2" or 4" (top)

Method of activation:

Pressure switch, Circuit board

Shower/bathtub base height:

11" min

Weight:

68 lbs / 30.8 kg

Certifying agencies:

CSA (IPC, NSPC), IAPMO (UPC)

Recommended accessories:

Descaler

Connections:

Toilet, sink, shower/bathtub, washing machines (direct connection), etc.

