

VIVACOR

Grinder Pumps



FEATURES

- Semi-open impeller design with a reliable grinding system.
- The large-diameter impeller generates a high pressure and the grinding system grinds solids into small pieces, which can be drained without clogging the pipes.
- The pumps can be connected to pipes directly or to an automatic coupling system.
- IP 68 protection Insulation Class: B
- Maximum immersion depth: 5M
- Minimum immersion depth: 0.5M
- Maximum liquid temperature: 0-40 °C
- Maximum liquid density: $1.2 \times 10^3 \text{ kg/m}^3$
- Liquid kinematic viscosity: $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{ m}^2/\text{s}$
- Double mechanical seal (Upper: CA/CE, Lower: SIC/SIC)
- Equipped with float switch (for 1PH)
- Maximum number of start-ups per-hour: 20 (at regular intervals)
- An over current protector is integrated for 1PH
- A circuit breaker is required for 3PH models.
- DN32 connection with 90° elbow

APPLICATIONS

The WT Vivacor series of submersible swage pump is widely used in industry, agriculture, mining, construction, municipal project etc.

The pump can deliver short fibrous materials, paper, sand and other solid waste, such as domestic waste water, sewage water, manure etc.

The main material of the pump is cast iron, thus the pump is not suitable for pumping medium which is strong corrosive or medium containing abrasive solids, and not suitable for transfer of flammable and explosive liquids. Suitable for the places with long drainage distance and small pipe diameters such as villages, farms villa etc.

Suitable for waste water drainage in residential and entertainment buildings where the sewage contains dirt, cloth, fiber etc.

VIVACOR

Grinder Pumps

Dimensions

Type	P2		1 Ph 230 V	Capacitor		3 Ph 400 V	m ³ /h Q l/min	0	3	4	5	6	6,5	7	8
	kW	HP	A	μF	V	A		0	50	66	83	100	108	116	133
VIVACOR 110 M/T	1,1	1,5	5,43			1,99	H m	20,5	17,5	16	14,2	12	10	-	-
VIVACOR 150 T	1,5	2	-	-	-	2,64		25,5	23,2	22,7	22	20	18,2	16,1	7,5

Model	L1	L2	L3	L4	H	H1	D	D1	D2	M	Weight kg
VIVACOR 110 M/T	231	191	96	140	533	73	32	90	14	16	31,55 / 30,4
VIVACOR 150 T	231	191	96	140	557	73	32	90	14	16	35,65

Part	Material
Handle	ZG304
Upper Cover	GG20
Upper Bearing Seat	GG20
Motor Body	GG20
Oil Chamber	GG20
Pump Cover	GG20
Impeller	AISI 304
Cutting Ring	AISI 304
Radial Cutter	AISI 304
Mechanical Seal	Upper: Ca/Ce
	Lower: SIC/SIC