

Submersible Sewage & Waste Water Pumps with unique **“Shredder / Grinder Mechanism.”**

1Ph pumps: “W-750 SK” & “W-1500 SK”

3Ph pump: “WT-1500SK”

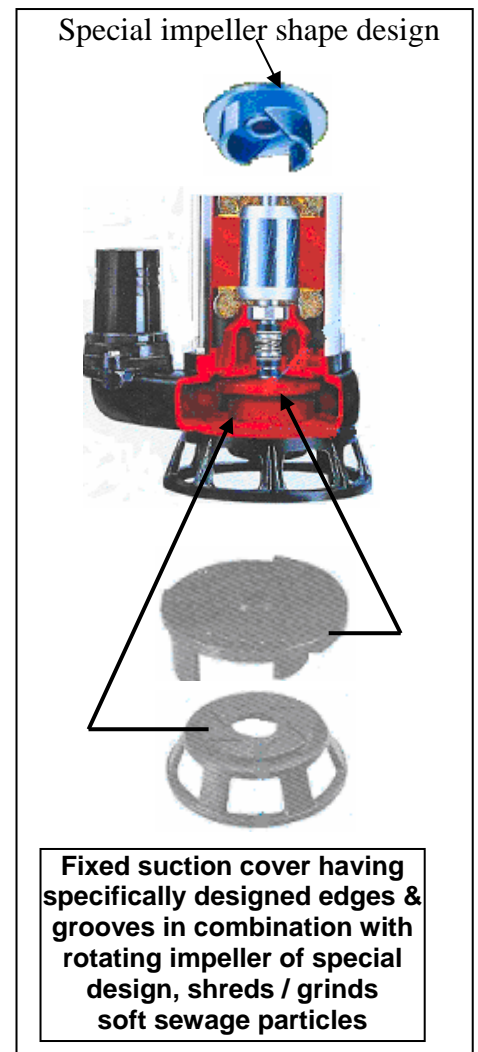
Applications:

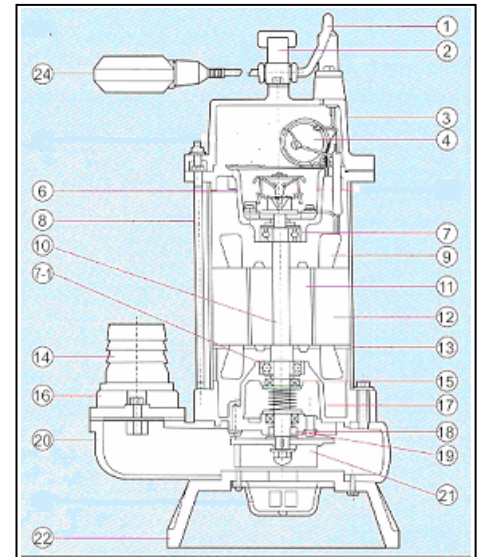
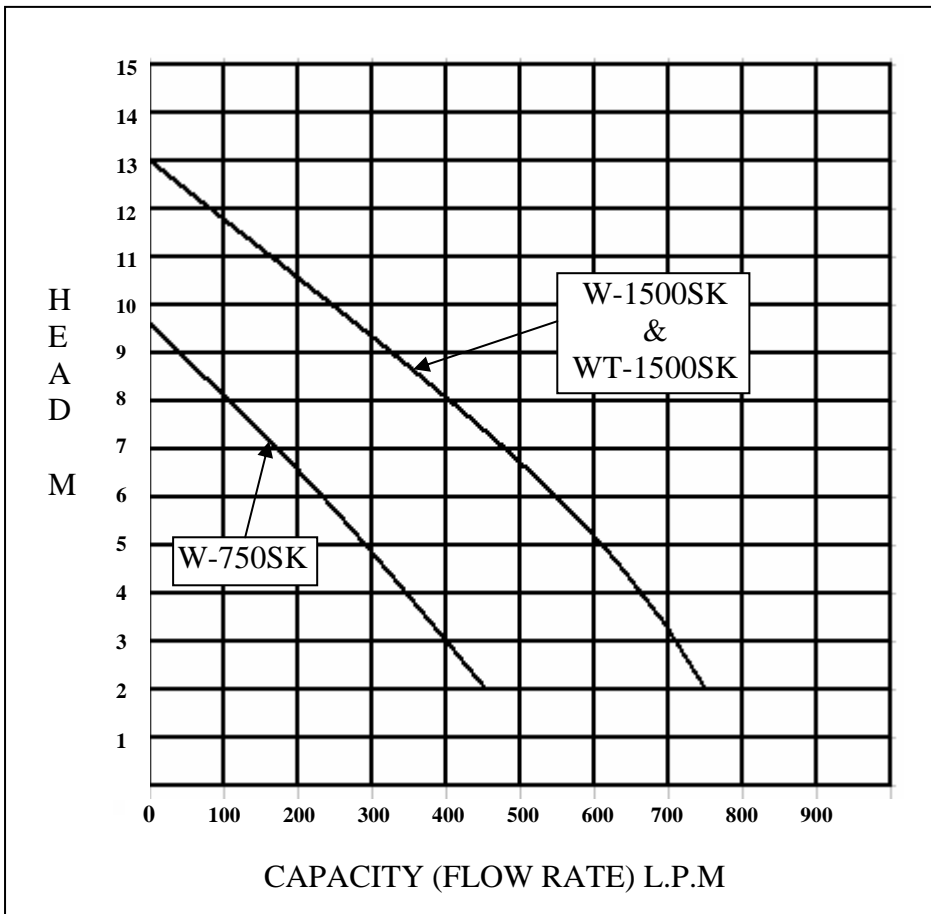
Suitable for pumping Domestic Sewage and Waste water containing human waste only.

Not suitable when liquid contains hard solids like sand, stones, gravel, wood and / or stringy material like clothes, plastic bags, sanitary items, nappies etc.

Features:

- Advanced shredding / grinding mechanism.
- Fixed suction cover under impeller having specifically designed edges & grooves in combination with rotating impeller of special design shreds / grinds soft sewage particles for easy pumping without any blockage.
- Surface hardening heat treatment is done on specific areas of impeller vanes & cutting edges of fixed suction cover to increase shredding / grinding efficiency & reliability of performance.
- The triplex sealing arrangement – Double Mechanical seal in oil bath plus an oil seal protects the motor from any in-grace of sewage or waste water in motor.
- Unique Epoxy Cable Sealing Base protects from water entering the motor & subsequent damage to motor.
- Heavy duty upper & lower Ball Bearings arrangement ensures smooth operation and fully supports the axial load / thrust.
- “W-750SK” Pump comes with built in float switch for automatic operation based on liquid level.
- “W-1500SK” & “WT-1500SK” pumps are supplied with separate float & control panel having built-in motor protection & high level alarm facility.
- All pumps come with standard base mounting. Auto-coupling option available for “W-750SK”.



PERFORMANCE CHART**PARTS LIST**

| Pos No | Description | Material |
|--------|--------------------------------------|-----------------|
| 1 | Cable | V C T |
| 2 | Handle | S S |
| 3 | Motor Head Cover | C I |
| 4 | Capacitor | - |
| 6 | Upper Bracket | C I |
| 7 | Upper Ball Bearing | - |
| 7-1 | Lower Ball Bearing | - |
| 8 | Bolt | S S |
| 9 | Coil | - |
| 10 | Shaft | S S |
| 11 | Rotor | Steel |
| 12 | Stator | Steel |
| 13 | Motor Casing | S S |
| 14 | Hose Tail | Plastic |
| 15 | Double Mech Seal in oil bath | Carbon /Ceramic |
| 16 | Outlet Cover | C I |
| 17 | Motor Lower Cover | C I |
| 18 | Mech Seal Cover | C I |
| 19 | Oil Seal | Synthetic |
| 20 | Pump Casing | C I |
| 21 | Impeller | C I |
| 22 | Suction Cover | C I |
| 24 | Built In Float for W-750SK pump only | PP |

TECHNICAL DATA:

| MODEL | MOTOR kW / HP | VOLTAGE / PHASE | DISCHARGE SIZE (mm) | FULL LOAD CURRENT (A) |
|-----------|---------------|-----------------|---------------------|-----------------------|
| W-750SK | 0.75 / 1.0 | 230 V / 1 ph | 50 | 7.0 |
| W-1500SK | 1.5 / 2.0 | 230 V / 1 ph | 80 | 14.0 |
| WT-1500SK | 1.5 / 2.0 | 400 V / 3 ph | 80 | 3.2 |

DIMENSIONS:

| MODEL | HEIGHT (mm) | MAX WIDTH (mm) | BODY DIA. (mm) | WEIGHT (kg) |
|-----------|-------------|----------------|----------------|-------------|
| W-750SK | 495 | 290 | 225 | 22 |
| W-1500SK | 550 | 355 | 265 | 36 |
| WT-1500SK | 445 | 355 | 265 | 30 |

MINIMUM SUMP DIMENSIONS:

To avoid cycling and float interference minimum sump dimensions must be as below.

For W-750SK – 700X700X700 mm or bigger. For W & WT-1500SK – 1000X1000X1000 mm or bigger.

Important notes on installation & operation of pump:

1) Provide suitable lifting chain or rope to lower or lift the pump from sump. 2) Never lift or lower the pump with the power cable. 3) Suitable motor overload and under load protection must be provided to protect the pump motor. Ask Wallace for suitable control panel with protections. 4) Suitable Non Return Valve for handling sewage & waste water must be used in the delivery line to avoid sewage & waste water coming back in the sump when pump stops. Ask Wallace Pumps for suitable NRV. 5) It is highly recommended to use a High Level Alarm system to get warning before sewage & waste water overflows from the sump. Ask Wallace Pumps for suitable High Level Alarm system.