Tsurumi's agitator pumps are ideal for quarry and gravel pit drainage. Abrasive resistant three-phase and single-phase pumps are available with either cast iron or synthetic rubber casings, and come complete with high chrome agitators, impellers, and suction covers.

FEATURED Agitator Pump

**GSD**

High-powered heavy-duty slurry pump that delivers strong agitation, high head and high volume discharge

The GSD Series pump is a heavy-duty slurry pump that delivers high head and high volume discharge. It is designed and built for continuous operation under the rough conditions often found at mega-construction sites and mines.

The GSD Series is a submersible three-phase high power, high head and high volume heavy-duty slurry pump driven by a 4-pole motor. It is equipped with a high-chromium cast iron agitator that assists smooth suction of the settled matters. The pump parts such as the impeller and the suction cover are made of wear-resistant materials. The side discharge, spiral design allows smoother passage of the sucked solid matters. The motor is cooled by a water jacket that assures efficient motor cooling even when it operates with its motor exposed to air. The pump incorporates seal pressure relief ports that prevent the pumping pressure from applying to the shaft seal.

**Agitator**
The agitator mounted on the motor shaft-end facilitates efficient suction of the settled slurry, sand, or mud.

**Suction Plate**
Field adjustable components on the GPN622 and GSD series allow for quick and easy adjustment of impeller to suction plate/ring so that dropped performance can be restored.
**AGITATOR PUMPS**

**HS2, HS3, HSD, NK, KTV and KTD Series**

- **Motor Output (HP):**
  - HS2.4S: 1/2 Single
  - HS3.75S: 1 Single
  - HS2.55S: 3/4 Single
  - NK2-15S: 23 Single
  - NK3-22S: 3 Single
  - KTV2-50: 2.7 Three
  - KTV2-80: 4 Three
  - KTV2-80: 4 Three
  - KTD2.0: 7 Three
  - KTD3.0: 4 Three
  - KRS2-80: 5.4 Three
  - KRS2-100: 8 Three
  - KRS2-150: 12 Three
  - KRS-200: 24 Three
  - GPN35.5: 3 Single
  - GPN411: 15 Three
  - GPN422: 30 Three
  - GPN837: 50 Three
  - GSD-37-4: 50 Three
  - GSD-55-4: 75 Three
  - GSD-75-4: 100 Three

- **Voltage Options:**
  - 115V, 230V, 208V, 460V, 575V

- **Motor Specifications:**
  - **Rated Current (A):**
    - Single phase: 5.2, 9.7, 23.0, 6.4, 8.7, 15.4, 18.6, 25.5, 36.5
    - Three phase: 2.7, 4.9, 11.5, 4.2, 4.1, 5.9, 8.5, 11.5, 16.5
  - **RPM:**
    - 3320, 3390, 3410, 3440, 3465, 3440, 3450, 3410, 3470
  - **Discharge Size:**
    - 2 to 10, 2 to 10, 2 to 10, 2 to 10, 2 to 10, 2 to 10, 2 to 10, 2 to 10, 2 to 10
  - **Diameter (in.):**
    - 10, 15, 20, 10, 15, 20, 10, 15, 20
  - **Height (in.):**
    - 16, 16, 16, 16, 16, 16, 16, 16, 16
  - **Max. Solids Dia. (inch):**
  - **Continuous Running Water Level (in.):**
    - 1.18, 1.18, 1.18, 1.18, 1.18, 1.18, 1.18, 1.18, 1.18

- **KRS and GPN Series:**
  - **Motor Output (HP):**
    - NK2-15SK: 2HP (1.5kW)
    - NK3-22SK: 3HP (2.2kW)
    - KTV2-50: 2.7HP (2.0kW)
    - KVD-250: 2.0HP (1.5kW)
  - **Voltage Options:**
    - 208 & 230V (same motor 208 & 220V)

- **Performance Curves:**
  - **HS, HSD, NK, KTV and KTD Series**
  - **KRS and GPN Series**
  - **GSD Series**

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**KTV2-50**

**NK2-15SK / NK3-22SK**

**KRS2-150**

**GPN837**

**GSD-75-4**

**GSD-55-4**

**GSD-37-4**

**GPN35.5**

**KTS-200**

**KTD2**

**HS3.75S**

**HS2.4S**

**HS2.55S**

**NK2-15SK**

**KTV2-80**

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*1 Dual Voltage  *2 220V  *3 208 & 230V same motor  *4 220V (same motor 208 & 220V)