

TSURUMI PRODUCTS



Submersible Drainage Pumps



- Tsurumi typical pumps
- Multi-directional hose coupling (vertical and inclined)
- Automatic model with electrode type relay unit **[LB-A]**
- Available in three-phase motor

Discharge Bore: 50 mm Motor Output: 0.48 - 1.5 kW
Max. Head: 21 m Max. Capacity: 0.42 m³/min

Submersible Dewatering Pumps



- Multi-field use pumps with agitator
- Automatic model with single float switch **[HSZ]**
- Slurry pump with high-chromium cast iron impeller and agitator **[HSD]**

Discharge Bore: 50 · 80 mm Motor Output: 0.4 - 0.75 kW
Max. Head: 19 m Max. Capacity: 0.58 m³/min

Submersible Drainage Pumps



- Larger output motor
- Durability equivalent to three-phase drainage pumps

Discharge Bore: 50 · 80 mm Motor Output: 1.5 · 2.2 kW
Max. Head: 26 m Max. Capacity: 0.8 m³/min

Submersible Drainage Pumps



- Suitable for domestic use
- Automatic model with cylindrical float switch **[FAMILY-A]**
- Drain water to 1 mm in depth by attaching optional residue adapter **[FAMILY]**



Discharge Bore: 15, 25 mm Motor Output: 0.1 kW
Max. Head: 7 m Max. Capacity: 0.08 m³/min

Submersible Residue Drainage Pump



- Suitable for draining shallow standing water
- Drain water to 1 mm in depth
- Multi-directional hose coupling (vertical and inclined)

Discharge Bore: 50 mm Motor Output: 0.4 kW
Max. Head: 12 m Max. Capacity: 0.12 m³/min

Submersible Residue Drainage Pump



- Suitable for draining shallow standing water
- Drain water to 1 mm in depth
- Multi-directional hose coupling (vertical and inclined)
- Swing check valve prevents reverse-flow

Discharge Bore: 25 · 50 mm Motor Output: 0.48 · 0.75 kW Max. Head: 17 m

Residue Drainage Pump with Suction Attachment



- Suitable for draining shallow standing water
- Can drain water at narrow space by free-positioning suction attachment
- Syphon breaker mechanism prevents reverse-flow

Suction x Discharge Bore: 25 x 25 mm Motor Output: 0.48 kW Max. Head: 7.8 m

Submersible Dewatering Pumps / 2-pole



- Lightweight compact pumps made of die-casted aluminium alloy
- Automatic model with electrode type relay unit **[KTVE]**
- Slurry pump with high-chromium cast iron impeller and ductile cast iron agitator **[KTV(Slurry)]**

Discharge Bore: 50 · 80 mm Motor Output: 0.75 - 5.5 kW
Max. Head: 37 m Max. Capacity: 0.98 m³/min

Submersible Dewatering Pumps / 2-pole



- Tsurumi flagship line of heavy-duty cast iron pumps
- Multi-directional hose coupling (vertical and inclined) **[KTZ / KTZE]**
- Automatic model with electrode type relay unit **[KTZE]**
- Slurry pump with high-chromium cast iron impeller and ductile cast iron agitator **[KTD]**

Discharge Bore: 50 - 150 mm Motor Output: 1.5 - 22 kW
Max. Head: 72.5 m Max. Capacity: 4 m³/min

Submersible High Head Drainage Pumps / 2-pole



- Extensive lineup of motor outputs ranging from 3 to 185 kW
- Offering 18 to 230 m max. head
- Available in single impeller **[LH]**, dual impellers **[LH-W]** or double suction impeller **[LH-D]**
- Available in 316 stainless steel version **[LH-14 / LH-W-14]**

Discharge Bore: 80 - 200 mm Motor Output: 3 - 185 kW
Max. Head: 230 m Max. Capacity: 14 m³/min

Submersible Dewatering Pumps / 4-pole



- General-purpose heavy-duty cast iron pumps
- Available in energy-saving type of low output and low head reduces power consumption
- Slurry pump with high-chromium cast iron impeller and agitator **[KRD / KRS(Slurry)]**

Discharge Bore: 80 - 250 mm Motor Output: 2.2 - 22 kW
Max. Head: 34.8 m Max. Capacity: 12 m³/min

Submersible High Volume Dewatering Pumps / 4, 6-pole



- Heavy-duty high volume drainage pumps with internal 4 or 6 pole motor **[GSZ]**
- Slurry pump with high-chromium cast iron impeller and agitator **[GSD]**

Discharge Bore: 150 - 250 mm Motor Output: 22 - 150 kW
Max. Head: 70 m Max. Capacity: 19 m³/min

Submersible Slurry Pumps / 4, 6-pole



- High powered heavy-duty slurry pumps
- Chromium molybdenum steel shaft suitable for strong slurry
- Equipped with high-chromium cast iron impeller, suction plate and agitator

Discharge Bore: 80 - 200 mm Motor Output: 5.5 - 37 kW
Max. Head: 36 m Max. Capacity: 9 m³/min

Submersible Stainless Steel Casting Pumps



- Corrosion-resistant pumps made of 316 stainless steel casting
- Suitable for acidic, chemical fluids of low pH value
- Selectable from strainer stand or pump stand type for 5.5 to 11 kW models
- Available in guide rail fitting system

Discharge Bore: 50 · 80 mm Motor Output: 0.4 - 11 kW
Max. Head: 44 m Max. Capacity: 2.08 m³/min

SEWAGE & WASTEWATER Cast Iron Pumps

Submersible Basic Sewage Pumps / Channel Impeller



B / BZ

- Tsurumi basic sewage pumps, wide range lineup
- Wide solids passage of over 3 inches (76.2 mm) in diameter [BZ]
- Available in guide rail fitting system

Discharge Bore: 50 - 350 mm Motor Output: 0.4 - 75 kW
Max. Head: 70 m Max. Capacity: 18 m³/min

Submersible Cutter Pumps / Cutter Impeller



C

- Incorporated cutting mechanism
- Impeller & suction cover of the "CR" type made of high-chromium cast iron
- Available in guide rail fitting system

Discharge Bore: 50 - 200 mm Motor Output: 0.75 - 37 kW
Max. Head: 70 m Max. Capacity: 7.1 m³/min

Submersible Smashing Cutter Pumps / Heart Shaped Suction



CZ

- Smashing cutter pumps incorporated crushing and shredding mechanism
- Prevents clogging of the pump by crushing and shredding solids more finely
- Innovative scissor-like mechanism combining original heart-shaped suction cover and unique impeller
- Extended rotating guide equipped on impeller provides a smooth pumping operation
- Available in guide rail fitting system

Discharge Bore: 100 mm Motor Output: 2.2 - 15 kW
Max. Head: 33 m Max. Capacity: 4 m³/min

Submersible Sewage Pumps / Vortex Impeller



UT



U

- 35 mm or more large solids passage by semi-vortex design
- Compact and economical type [UT]
- Available in automatic model and guide rail fitting system

Discharge Bore: 40 - 80 mm Motor Output: 0.25 - 3.7 kW
Max. Head: 25 m Max. Capacity: 1.03 m³/min

Resin Made Pumps

Submersible Lightweight Wastewater Pumps



PU / PN / PSF
TM / OM



PLS

- "VANCS"; corrosion-resistant pumps made of special resin
- Fish friendly lubricating oil suitable for water feature, fish farm
- Wide variation; large solids type, high head type, horizontal type
- Available in seawater pumps made of titanium & special resin [TM]
- Available in automatic model and guide rail fitting system

VANCS

Discharge Bore: 32 - 80 mm Motor Output: 0.15 - 3.7 kW
Max. Head: 34 m Max. Capacity: 0.95 m³/min

Stainless Steel Pumps

Submersible Compact Stainless Steel Pumps



SQ2

- Corrosion-resistant pumps made of 304/316 stainless
- Food grade lubricating oil suitable for food-processing factory
- Available in automatic model

Discharge Bore: 40 - 50 mm Motor Output: 0.25 - 0.75 kW
Max. Head: 15.5 m Max. Capacity: 0.3 m³/min

WASTEWATER TREATMENT EQUIPMENT

Submersible Aerators



TRN



BER

- Self-aspirating aerators designed for aeration and mixing of wastewater
- High efficiency dissolution of oxygen by special impeller design, and multi directionally eject mixture of air and water from outlets [TRN]
- Eject mixture of air and water through the diffuser [BER]

Air-inlet Bore: 25 - 150 mm
Motor Output: 0.75 - 40 kW Air Flow Rate: 7 - 528 m³/h

Rotary Air Blowers



TSR

- Precisely machined, well-balanced 3-lobe rotor reduces the pulsating noise and vibration.
- Double-sided oil chamber design effectively maintains lower temperatures during high-pressure and high-speed operations in comparison to traditional models.

Discharge Bore: 50 - 300 mm Air Volume: 0.90 - 120.66 m³/min

Submersible Mixers



MR



MRL

- Generate powerful jet of water using a propeller
- Low water level type designed to operate in water as shallow as 500 mm [MRL]
- Available in wide variations, including cast iron or stainless steel casting construction

Motor Output: 0.25 - 7.5 kW Flow Rate: 1.32 - 42 m³/min

Multi-disc Dehydrators



MDQ / MDC



JD

- Wide product lineup; treating capacity in a range of 3 to 216 kgDS/h
- Utilize both gravity filtration and screw displacement compression systems [MDQ / MDC]
- Utilize both gravity filtration and compression dehydration systems [JD]
- Major parts made of stainless steel

Treating Capacity: 3 - 216 kgDS/h Total Motor Output: 0.6 - 3.15 kW

Floating Scum Skimmers



FSP

- Collection of floating scum in the wastewater treatment
- Water, air and scum are drawn simultaneously by jet-injector mechanism
- Keep suction mouth relative position with the water surface

Discharge Bore: 50 mm Motor Output: 0.4 - 0.75 kW

Floating Decanters



FHP

- Discharge supernatant liquid in SBR
- Consists of submersible pump, sludge sensor, and float
- Sludge sensor prevents inflow of sludge or sediment and helps discharge supernatant liquid

Discharge Bore: 40 - 80 mm Motor Output: 0.25 - 1.5 kW

Bar Screens



KE / KS / KM / KW

- Screening wastewater
- Available in front screen type or rear screen type
- Major parts made of stainless steel

Bar Spacing: 1 - 50 mm Motor Output: 0.09 - 0.1 kW Max. Capacity: 223 m³/h

Tsurumi Manufacturing Co., Ltd.

Tsurumi Manufacturing Company, Limited was founded in Osaka in 1924. Since the foundation, Tsurumi has consistently devoted its efforts to the creation and development of advanced water utilization technologies. Tsurumi has also innovated the pump manufacturing technologies in a constant pursuit of new opportunities and new fields that contribute to the advancement of our society and environment. This effort epitomizes its management policy "Dedicated to pursuing close communication between people and water through innovative creation and respect for harmony with nature."

Global Network



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We reserve the right to change the specifications and designs without prior notice. The OO series and model OO are indicated with our series/model codes in this catalog.

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