



TSURUMI PUMP

PU 1-phase
3-phase
50Hz

Multi-purpose pump with vortex impeller

PU multi-purpose pumps have adopted stainless steel where metal must be used, while other strategic components are molded in or armoured with high tech resins. Durable, stable in operation and compact, PU pumps are ideal for sewage disposal and many other demanding underwater pumping jobs.





Vortex Impeller

This impeller is used mainly to avoid clogging or wear by large or stringy solids in the water. It accelerates part of the water to great speed, and this speed is used to smoothly move all the water from inlet to outlet.

Optional Accessories:



- TOK4-P guide rail fitting for small pumps:
 - Guide support / Guide hook
 - Duck foot bend
 - Lifting chain

Lightweight

The idea that pumps must be made through casting is already a thing of the past. PU pumps are the brain child of Tsurumi's efforts to get rid of full-cast pumps through material innovation. This has reduced the average weight of PU pumps to less than half of that of conventional equivalents. Also, installation and maintenance work for these new pumps have become far easier than ever before.

Solid and durable

Resins used to make or house the major components of PU pumps were put through various harsh tests prior to adoption. Consisting of 20 items in all, such tests included those examining resistivity to solutions, continuous operability in high-temperature liquids, and strength to withstand low or freezing temperatures, weathering, and drop impact. In these tests, the resins have proved as strong as, or even stronger than, cast materials in both strength and abrasion resistance. Moreover, these resins are used in such a manner that each may best fit any particular component.

Rust-free

PU pumps are immune to the insanitary rust. Made overall of stainless steel and high-quality resin, these pumps are completely free from the conventional rust troubles.



Easy disassembly for maintenance convenience

For maintenance services, just remove the bolts between the oil casing and the upper pump casing; the pump section with impeller and the motor section are now separated from each other. The pump section can be disassembled and reassembled easily.

Automatic operations (Automatic type)

Plug the pump in and it is ready for automatic operation. PU pumps use a teardrop float for water level detection. This prevents operation errors caused by waves or muck and eliminates chattering.

Various safeguards

A shaft seal, a limited load mechanism that prevents overloads and ensures stable and safe operation., cable conductors devised to prevent water from leaking in, and many other ideas and devices nurtured for years by Tsurumi's expertise ensure PU pumps the most reliable operations.

Air vent valve

For air lock prevention, the ball valve and the pump casing are molded integrally - another PU innovation.



