

# BUILT FOR WORK



**SEWAGE AND WASTEWATER PUMPS**

**CORROSION RESISTANT PUMPS  
VANCs SERIES**

**PU • PN • PSF • TM**

Electric Submersible Pumps • Engine Powered Pumps • Accessories



The **VANCS SERIES** Tsurumi submersible pump is designed for handling raw sewage, wastewater, industrial and commercial sump pump applications. The **VANCS SERIES** has a proven track record for offering long life in both continuous and intermittent sump applications. With the pump made of complete molded resin material and all other parts coming in contact with the pump liquid in either 304 SS or Titanium, the **VANCS SERIES** offers the customer; the markets most corrosion resistant sump pump.

## VANCS Series Features

### AUTO DUPLEXING - MADE SIMPLE

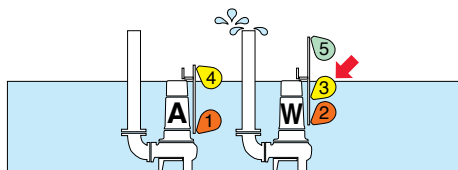
The auto-alternating model is used along with an automatic model. The combined use of these two pumps enables each pump to operate alternately without control panel.

The auto-alternating model has three floats and can be identified by the suffix "W". Refer to standard specifications for availability and model numbers. It is available in the same output range of the automatic pumps.

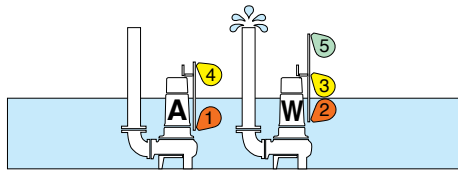
#### How the Auto-Alternating Model Works

Operation is enabled by merely connecting the power supply and adjusting float level.

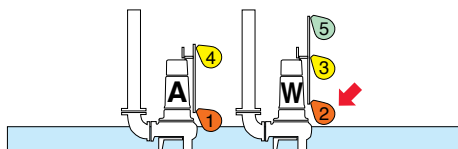
##### Primary Operation



1 Float 3 operates, and pump W starts to discharge water.

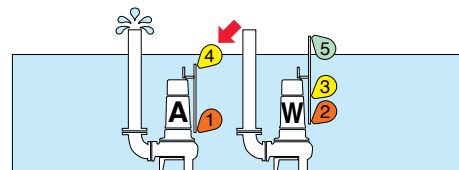


2 Water is discharged (water level falls).

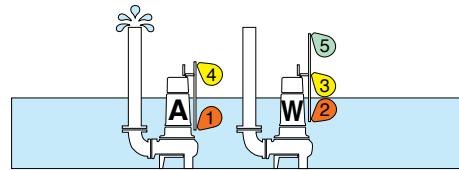


3 Stop float 2 of pump W operates to end water discharge. At this time, alternation start float 3 of pump W rests for one discharge operation.

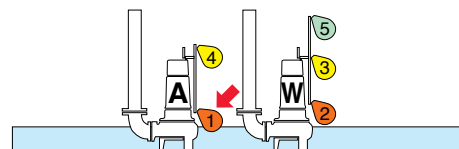
##### Secondary Operation



1 Start float 4 of pump A operates to start water discharge.



2 Water is discharged (water level falls).

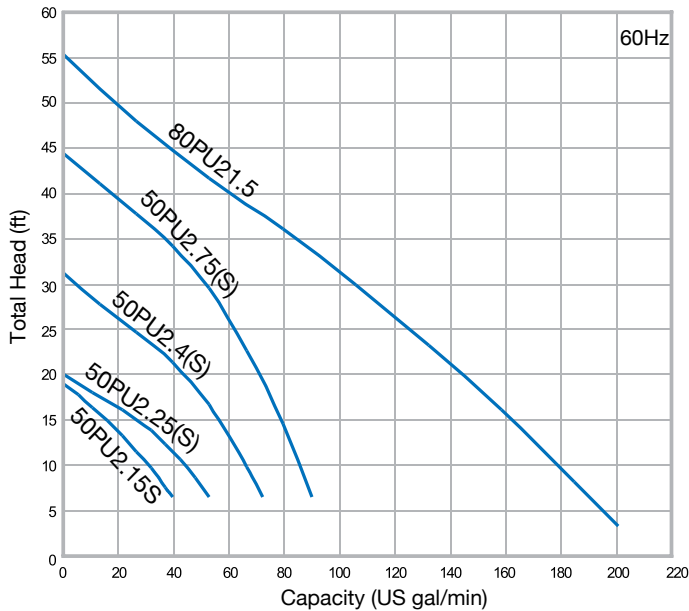


3 Stop float 1 of pump A operates to end water discharge. At the same time, start float 3 of pump W becomes ready for operation.



## PU Series

### Performance Curves



### Feature

- 304 Stainless Steel
- FRP Resin Molded Parts
- Semi-Vortex Impeller Design



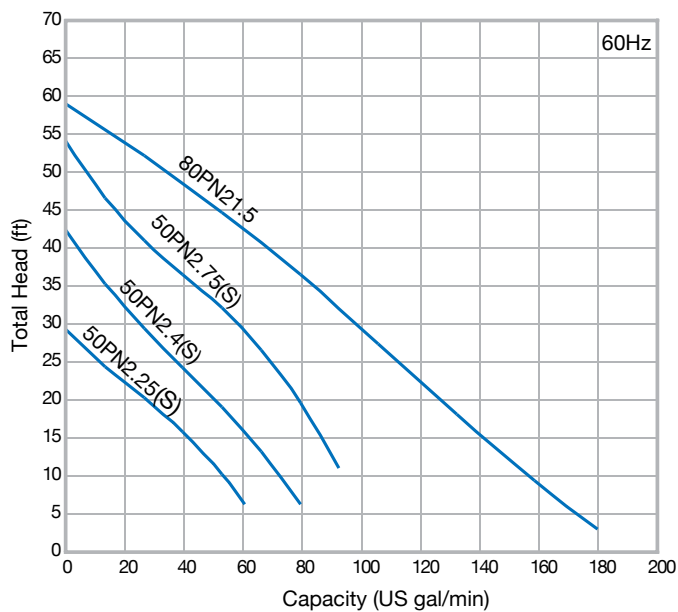
### Applications

- Residential, commercial, industrial sewage, effluent, wastewater and site drainage.
- Chemical spill containment
- Decorative waterfalls, fountains and fish ponds.
- Raw water supply from rivers or lakes.
- Anywhere your sump pump is subject to rust or corrosion, VANCS is the answer.



## PN Series

### Performance Curves



### Feature

- 304 Stainless Steel
- FRP Resin Molded Parts
- Semi-Open impeller Design

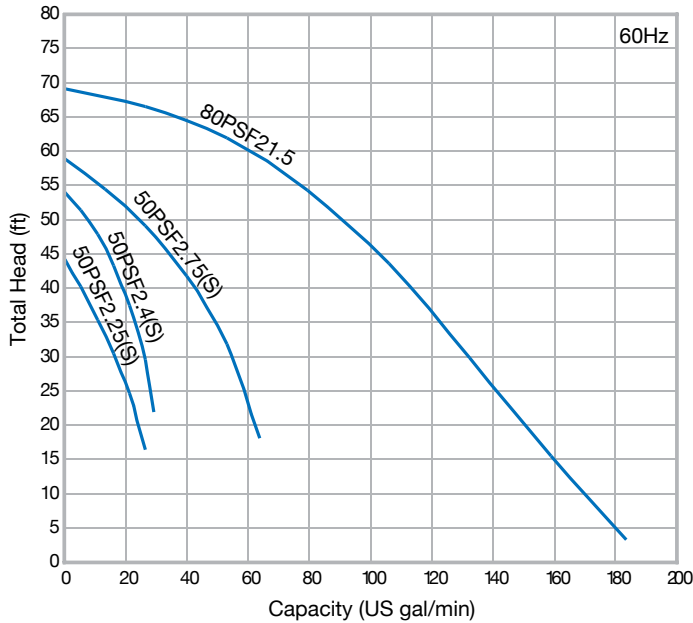
### Applications

- Residential, commercial, industrial, effluent, wastewater and site drainage.
- Chemical spill containment
- Raw water supply from rivers or lakes.
- Anywhere your sump pump is subject to rust or corrosion, VANCS is the answer.



## PSF Series

### Performance Curves



### Feature

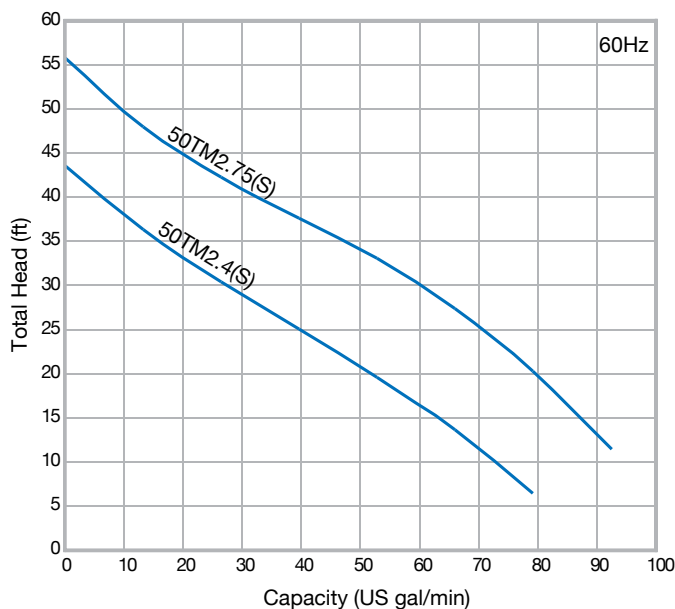
- 304 Stainless Steel
- FRP Resin Molded Parts
- Enclosed Impeller Design

### Applications

- Residential, commercial, industrial sewage, effluent, wastewater and site drainage.
- Chemical spill containment
- Decorative waterfalls, fountains and fish ponds.
- Raw water supply from rivers or lakes.
- Anywhere your sump pump is subject to rust or corrosion, VANCS is the answer.

## TM Series

### Performance Curves



### Feature

- Titanium
- FRP Resin Molded Parts
- Semi-Vortex Impeller Design

### Applications

- Salt wastewater and site drainage.
- Chemical spill containment.
- Decorative waterfalls, salt water, fountains and fish ponds.
- Bilge pumps.
- Salt water aquaculture.
- Anywhere your sump pump is subject to rust or corrosion, VANCS is the answer.

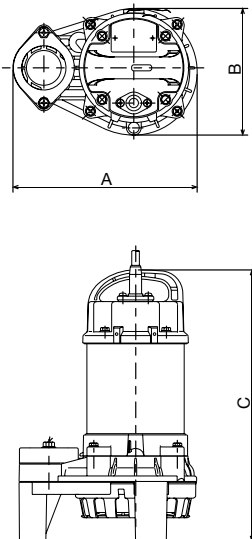


# VANCS Series Specification

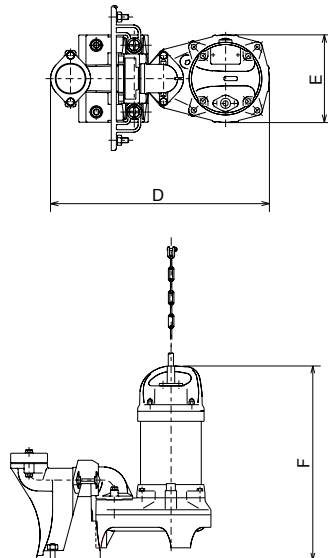
Model	Discharge Size (inch)	Phase	Voltages	Motor Output (HP)	Dimensions (inch)						Cable length (ft)	Free Standing Weight (lbs.)	*Guide Rail Fitting (lbs.)	
					Free Standing Models			TOK Guide Rail Models						
					A	B	C	D	E	F				
PU	50PU2.15S	2	1Ø	115/230	1/5	8 7/8	6 1/16	14 13/16	16	6 1/16	16 1/8	20	13	15
	50PU2.25S	2	1Ø	115/230	1/3	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16	32	16	17
	50PU2.25	2	3Ø	230/460	1/3	9 5/16	6 3/8	13 3/4	16 3/4	6 11/16	16	32	13	16
	50PU2.4S	2	1Ø	115/230	1/2	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	16	19
	50PU2.4	2	3Ø	230/460	1/2	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	15	17
	50PU2.75S	2	1Ø	115/230	1	9 5/16	6 3/8	14 15/16	16 3/4	6 11/16	16 8/9	32	20	24
	50PU2.75	2	3Ø	230/460	1	9 5/16	6 3/8	14 3/4	16 3/4	6 11/16	16 7/8	32	18	21
	80PU21.5	3	3Ø	230/460	2	11 5/8	7 11/16	18 11/16	20 7/16	7 11/16	19 1/4	32	35	35
PN	50PN2.25S	2	1Ø	115/230	1/3	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16	32	16	17
	50PN2.25	2	3Ø	230/460	1/3	9 5/16	6 3/8	13 3/4	16 3/4	6 11/16	16	32	13	16
	50PN2.4S	2	1Ø	115/230	1/2	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	16	19
	50PN2.4	2	3Ø	230/460	1/2	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	15	18
	50PN2.75S	2	1Ø	115/230	1	9 5/16	6 3/8	14 15/16	16 3/4	6 11/16	16 7/8	32	20	24
	50PN2.75	2	3Ø	230/460	1	9 5/16	6 3/8	14 3/4	16 3/4	6 11/16	16 7/8	32	18	21
	80PN21.5	3	3Ø	230/460	2	11 5/8	7 11/16	17 1/8	20 7/16	7 11/16	19 1/4	32	35	35
PSF	50PSF2.25S	2	1Ø	115/230	1/3	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16	32	16	17
	50PSF2.25	2	3Ø	230/460	1/3	9 5/16	6 3/8	13 3/4	16 3/4	6 11/16	16	32	14	16
	50PSF2.4S	2	1Ø	115/230	1/2	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 5/16	32	16	19
	50PSF2.4	2	3Ø	230/460	1/2	9 5/16	6 3/8	14 3/16	16 3/4	6 11/16	16 15/16	32	16	18
	50PSF2.75S	2	1Ø	115/230	1	9 5/16	6 3/8	14 15/16	16 3/4	6 11/16	16 7/8	32	20	24
	50PSF2.75	2	3Ø	230/460	1	9 5/16	6 3/8	14 3/4	16 3/4	6 11/16	16 7/8	32	19	21
	80PSF21.5	3	3Ø	230/460	2	11 5/8	7 11/16	17 1/8	20 7/16	7 11/16	19 1/4	32	35	35
TM	50TM2.4S	2	1Ø	115/230	1/2	9 5/16	6 3/8	14 3/16	N/A	N/A	N/A	32	15	N/A
	50TM2.4	2	3Ø	230/460	1/2	9 5/16	6 3/8	14 3/16	N/A	N/A	N/A	32	15	N/A
	50TM2.75S	2	1Ø	115/230	1	9 5/16	6 3/8	14 3/4	N/A	N/A	N/A	32	17	N/A
	50TM2.75	2	3Ø	230/460	1	9 5/16	6 3/8	14 3/4	N/A	N/A	N/A	32	17	N/A

※ Pump weight only

Dimension: Free Standing



Dimension: Guide Rail Fitting (TOK)



# The Pump Technology That The World Trusts.



**Tsurumi** introduced its international strategy in the 1960s. Our technical capabilities gained recognition first in Asia in the 1970s and then in the United States and Europe in the 1980s.

Following the initial steps, our international division successfully penetrated many worldwide markets including: construction, civil engineering, mining, industrial, wastewater, sewage treatment, and flood control.

Today Tsurumi has expanded its base of operations and is active in 45 countries and regions. In addition to supporting a variety of work sites, our high-performance pump products are widely used in large-scale national projects where they surpass expectations. Reliable performance is our first priority.



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