

Vertical Turbine Pumps

State-of-the-Art Submerged Motor Pumps



VTK-240

Multiple sizes available

Specifications

Flow Range	gpm	1,000 – 2,500
	lpm	3,785 – 9,462
NPSHR	feet	2 – 5 (162 – 2,800 gpm)
	meter	0.6 – 1.5 (613 – 10,598 lpm)
Differential Head	feet	46 – 1,937
	meter	14 – 590
Pump Design Rating	hp	167.5 – 335
	kw	125 – 250
Speed Range	rpm	2,000 – 4,200

Consult Nikkiso ACD engineering to confirm available sizes and ratings.

Features & Benefits

- Highly efficient, over 70% – lower operating costs and heat input into the fluid
- Modular design, 60 PSI/stage
- Active thrust balancing system for extended bearing life
- High efficiency hydraulics with extremely low NPSHR inducer
- Lightweight and compact
- Available in sump and in-tank designs
- Special design VFD drive provides operation point control over the entire pump operating range
- Features a quick electrical disconnect for ease of maintenance
- Permanent magnet motor
- All parts from wrought aluminum are precision machined
- Vacuum jacketed sump
- Heavy duty ceramic bearings

Applications

- Bunkering – barge-to-ship
- Low pressure marine fuel systems
- Send-out pump
- Liquid storage transfer
- Bunkering operations – ship-to-ship
- Pipeline feed
- FSRU loading/off-loading
- Railcar tender car loading and unloading

Liquids Pumped

- Nitrogen
- Argon
- Ethylene
- Ethane
- Methane
- Propane

Complete Pumping System

- High-efficiency submerged pump
- Removable in-tank with foot valve
- Custom made VFD drive – factory string tested
- Dual electrical feed thru hermetically sealed up to 500A

Optional Accessories

- Differential pressure gauge
- Loss of prime detector (cavitation protection)
- Safety relief valve
- Dual conduit box per NFPA standards for LNG services
- Complete removal systems
- Long term storage container