

# Model TC-34

## Submerged Motor Pumps



1 x 2 x 6 - 2S/4S and 1.5 x 2.5 x 6 - 2S  
Not suitable for Oxygen service

### Specifications

<b>Pump Size</b>	units	1 x 2 x 6 - 2S
<b>Flow Range</b>	gpm	2 – 120
	lpm	8 – 450
<b>NPSHR</b>	feet	1.5 – 12
	meter	0.5 – 4
<b>Differential Head</b>	feet	50 – 1,200
	meter	15 – 365
<b>Pump Design Rating</b>	hp	10 up to 44
	kw	7.5 up to 33
<b>Speed Range</b>	rpm	1,500 – 7,200

Consult Nikkiso ACD engineering to confirm available sizes and ratings.

### Features & Benefits

- Gastight design
- Pump and motor are fully submerged in liquid minimizing loss and guaranteeing quick response pumping
- Vacuum jacketed sump provides extremely low heat leak — ideal pumping conditions (optional)
- Sealless and submerged design minimizes maintenance requirements
- Vertical pump design provides greater stability and longer life
- Special design VFD motor provides broad range of operation

### Applications

- Use where product loss is not acceptable
- Liquid storage transfer
- Mobile delivery transfer – LAR, LN<sub>2</sub>
- Vehicle fueling stations – LNG

### Liquids Pumped

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

### Optional Accessories

- Vacuum jacketed sump
- Variable frequency drive
- Differential pressure gauge
- Loss of prime detector (cavitation protection)
- Safety relief valve
- Dual conduit box per NFPA standards for LNG service