HIGH VOLUME PUMPS
The Dutch shaftless electric pump solution

Shaftless electric pumps

for high-volume, low pressure water applications



English

About us

Andelst, The Netherlands.

No rights can be derived from the information contained in this document

Version 1.0 | 05 November 2026

History

2016

First introduction to the product and its technology.

2019

Rim Drive Technology was founded.

2021

From propulsion to pumping.

2022

High Volume Pumps was founded.

2024

Continuous product development.

2025

Expanding applications and market presence.

2026

Continuing innovation and growth.



Engineered for a cleaner tomorrow

Low maintenance

With only one rotating part and no seals, our pumps keep running with minimal maintenance.

Quality control

Our production, R&D, and office are based in the Netherlands to ensure product quality.

Sustainable choice

Electric and energy-efficient, our pumps help lower both operating costs and environmental impact.

A revolution in Pumping



Our electric pumps boast **limited dimensions** for efficient and space-saving projects.

The bearing system is water-lubricated and will last for **thousands of hours** under normal use.

With our pumps, it is possible to pump **contaminated water**.

No center shaft **limits** the chance that vegetation, fishing ropes or plastic will get stuck in the propeller.

The pump has been designed to reduce **maintenance** up to 20.000 hours.

Our pumps feature a **self-cleaning** function that reverses the propeller's rotation to help remove debris and prevent blockages.

Our Markets

Our pumps are used across a wide range of applications and industries. With a focus on innovation and durability, we provide customized solutions to meet the specific needs of each market we serve.



Fish Farms

Reliable water circulation for healthy fish and optimal growth conditions.



Water Levelling

Efficient water level control for polders, canals and other water systems.



Firefighting

High-performance pumping solutions for critical situations wehere reliability matters.



Wastewater treatment

Durable and efficient pumps for clean and reliable water processing



Swimming pools

High-performance pumping solutions for critical situations wehere reliability matters.

Pumps & accessories

Optimize your pump for the perfect fit

Pumps



Mixer
133 - 341PRO



Pump
065-341PRO



Submersible pump
065 - 341PRO



PVC pump
065 - 212-PRO

Pump customization

Cables

Custom cable lenghts and connectors

Applications

Adapted to your installation and use case

Voltages

Matched to your power supply, including VAC input

Mounting

Mounting solutions designed to fit you system

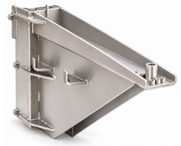
Accesories



DIN flanges
Our DIN flanges provide standardized connections for easy integration into existing piping systems. Custom sizes are available upon request.



Inlet protection basket
Our inlet protection baskets help prevent larger debris from entering the pump, supporting reliable operation and reducing the risk of blockages.



Mounting bracket for water treatment
Our mounting brackets provide stable support for secure and straightforward pump installation. Customized mounting solutions are available upon request.



Mounting foot
Our mounting foot provides a solid and stable base for secure installation on flat surfaces

From engineering to Real-world performance



Engineering

Our products are engineered and developed in-house, allowing us to continuously optimize reliability.



Assembly

Production and assembly take place in-house, ensuring consistent quality throughout the entire process.



Test facility

Our products are intensively tested, both at our test facility and in real-world applications, to validate their performance and reliability.

// MIXERS

Our electric mixers combine high reliability with low energy consumption. Thanks to the shaftless design with only one rotating part, debris rarely blocks the propeller, and a self-cleaning function clears it when it does.

Cast entirely under vacuum, every mixer is fully IP68 waterproof without seals, for minimal maintenance and long-term use under water.



Product	Power range (kW)	Voltage (V)	Thrust range (N)	Maximum capacity m3/h	Total weight (kg)	Propeller diameter (mm)	Outside diameter (mm)	Standard cable length (m)
Mixer 133	0.5 - 5.0	400V or on request	118-608	412	50	133	191	2.5
Mixer 168	0.5 - 8.0	400V or on request	78-1196	750	55	168	239	2.5
Mixer 212	0.5 - 11.0	400V or on request	181-1578	1062	63	212	290	2.5
Mixer 212-PRO	0.5 - 15.0	400V or on request	186-1912	1179	70	212	290	2.5
Mixer 290	0.5 - 22.0	400V or on request	127-2844	1939	115	290	378	2.5
Mixer 341-3	0.5 - 30.0	400V or on request	147-4265	2677	141	341	470	2.5
Mixer 341-5	0.5 - 50.0	400V or on request	147-6374	3602	144	341	470	2.5
Mixer 341-PRO	0.5 - 75.0	400V or on request	118-8090	4128	171	341	470	2.5

// PVC PUMPS

The High Volume Pumps PVC Pump range provides efficient water circulation solutions for swimming pool applications. Available in eight models, with power ratings from 0.5 kW to 15 kW and flow capacities ranging from 66m³/h to 1179m³/h.

The pumps are available in 24V and 48V configurations, with different propeller diameters to meet various circulation requirements.

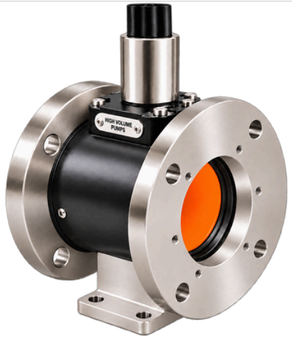


Product	Input power (kW)	Voltage (V)	Maximum capacity m3/h	Weight (kg)	Propeller diameter (mm)	Outside diameter (mm)	Standard cable length (m)
PVC Pump 065	0.5	48V	66	3	65	108	2.5
PVC Pump 086-24V	2.5	24V	173	4	86	141	2.5
PVC Pump 086	3.0	48V	193	4	86	141	2.5
PVC Pump 133-24V	4.2	24V	357	5	133	191	2.5
PVC Pump 133	5.0	48V	412	5	133	191	2.5
PVC Pump 168	8.0	48V	750	10	168	240	2.5
PVC Pump 212	11.0	48V	1062	14	212	290	2.5
PVC Pump 212-PRO	15.0	48V	1179	23	212	290	2.5

// PUMPS

The High Volume Pumps range provides reliable water circulation solutions for fish farming and aquaculture applications.

With nine models available, the range offers flexibility for different installation sizes and operational requirements. Power ratings range from 0.5 kW to 75 kW, with flow capacities of up to 4,127.65 m³/h.



Product	Power range (kW)	Voltage (V)	Maximum capacity m3/h	Weight (kg)	Propeller diameter (mm)	Outside diameter (mm)	Standard cable length (m)
Pump 086	0.5 - 3.0	400V or on request	193	3,5	86	141	2.5
Pump 133	0.5 - 5.0	400V or on request	412	5	133	191	2.5
Pump 168	0.5 - 8.0	400V or on request	750	10	168	239	2.5
Pump 212	0.5 - 11.0	400V or on request	1062	14	212	290	2.5
Pump 212-PRO	0.5 - 15.0	400V or on request	1179	22	212	290	2.5
Pump 290	0.5 - 22.0	400V or on request	1939	50	290	378	2.5
Pump 341-3	0.5 - 30.0	400V or on request	2677	70	341	470	2.5
Pump 341-5	0.5 - 50.0	400V or on request	3601	73	341	470	2.5
Pump 341-PRO	0.5 - 75.0	400V or on request	4128	100	341	470	2.5

// SUBMERSIBLE PUMPS

The High Volume Pumps Submersible Pump range provides reliable solutions for water transfer and dewatering, including firefighting and emergency response applications.

Available in ten models, the range offers flexibility for various operational requirements, with power ratings from 0.1 kW to 75 kW and flow capacities of up to 4128m³/h.



Product	Power range (kW)	Voltage (V)	Thrust range (N)	Maximum capacity m3/h	Weight (kg)	propeller diamater (mm)	Outside diameter (mm)	Standard cable lenght (m)
Pump 065	0.1 - 0.5	400V or on request	4-83	66	4	65	108	2.5
Pump 086	0.5 - 3.0	400V or on request	64-304	193	6	86	141	2.5
Pump 133	0.5 - 5.0	400V or on request	118-608	412	10	133	191	2.5
Pump 168	0.5 - 8.0	400V or on request	79-1196	750	16	168	239	2.5
Pump 212	0.5 - 11.0	400V or on request	181-1578	1062	22	212	290	2.5
Pump 212-PRO	0.5 - 15.0	400V or on request	186-1912	1179	30	212	290	2.5
Pump 290	0.5 - 22.0	400V or on request	127-2843	1939	66	290	378	2.5
Pump 341-3	0.5 - 30.0	400V or on request	147-4266	2677	101	341	470	2.5
Pump 341-5	0.5 - 50.0	400V or on request	147-6374	3602	104	341	470	2.5
pump 341-PRO	0.5 - 75.0	400V or on request	118-8090	4128	131	341	470	2.5

Project cases

Discover how High Volume Pumps delivers efficient and reliable solutions across different applications.



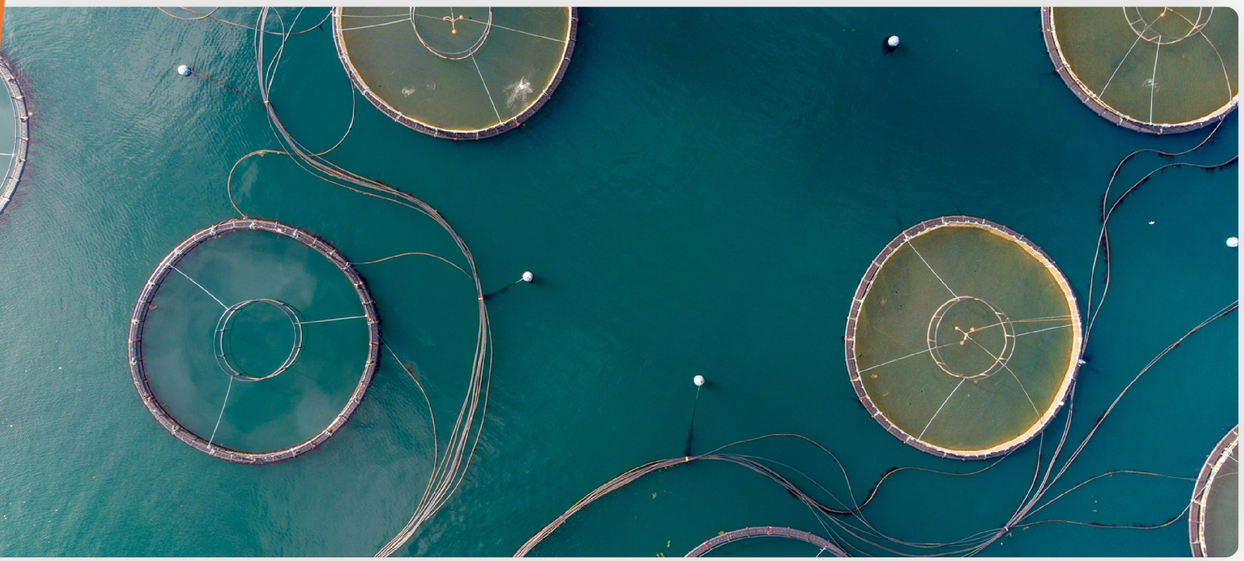


Wastewater treatment

- High Volume mixer installed for water treatment
- Different configurations tested for optimal performance
- Reliable and effective water circulation

Water level management

- Solar-powered pumping for effective water level management
- 10 kWh battery for reliable operation
- Remote monitoring and smart control



Fishfarms

- Efficient water circulation for healthy fish environments
- Reliable flow for aeration and water quality control
- Suitable for continuous operation in aquaculture



Firefighting

- High-volume water transfer for emergency response
- Reliable operation with long hose configurations
- Compact, efficient solution for rapid deployment

HIGH VOLUME PUMPS

The Dutch shaftless electric pump solution

High Volume Pumps

www.highvolumepumps.com

+31 (0) 85 482 48 50

sales@hvpumps.nl

Wanraaij 4, Andelst.
The Netherlands