

# Advanced Wastewater Sampling Made Easy

Patent Pending

## Wastewater Vacuum Sampler

## Details & Specifications

The WAVE™ by Emerald Coast Manufacturing is an electronically controlled, heavy duty vacuum wastewater sampler. This refrigerated sampler allows for both composite and sequential sampling options with a high level of accuracy. The WAVE™ features a high impact and weatherable acrylic/ABS body, making this all-season unit perfect for even the harshest of outdoor and indoor environments.

The integrated touchscreen controls give you the ability to specify the volumes of water and program times and/or flow intervals to collect samples. Controls also allow you to digitally control temperature within the sample compartment, both from the unit directly or from an app enabled device.

The WAVE™'s powerful vacuum system generates stronger purges that remove contamination and can draw samples from greater distances. The WAVE™ can pull samples with vertical lifts of nearly 30 feet and provide consistent accurate sampling with no need to worry about replacing costly internal tubes. With that, the WAVE™'s vacuum system exceeds EPA transport velocity.



Made in U.S.A.

### Standard Features:

- High impact, weatherable acrylic/ABS enclosure
- Heavy duty, piston vacuum pump
- 1L, 2.5 gal, 5.5 gal sample container options
- Programmable sample size
- Constant sampling interval (1 – 9999 min.)
- Variable sampling – Time/Flow (1 – 24)
- Constant time / Variable volume
- Delay start (1 – 9999 min.)
- Pre-sample/post-sample purge (0 – 140 sec.)
- Line velocity >3.75 FPS @ 20'
- Inputs – Pulses/4-20mA
- Auto shut-off
- Start/Stop programming
- Pass code protection
- 7" color touchscreen
- Data logging
- Alarm output option
- Auxiliary inputs for float or contact start
- 115/230V operation
- App enabled
- Scheduled programming

# Specifications

Size:	49" H x 25.5" W x 25.5" D
Weight (Dry):	200 lbs. approximate
Refrigeration Body:	2.5" fully insulated cabinet
Intake Tubing:	Diameter: Vinyl 3/8" Length: 3 - 200'
Containers:	1L (24), 2.5 gal (1-2), 5.5 gal (1)
Operational Temperatures:	-20°F to 125°F
Power Required:	115 VAC, 60 Hz / 230 VAC, 50HZ
Maximum Lift:	29'
Sample Transport Velocity:	Greater than 3.75 FPS @ 20' with 3/8" tubing
Repeatability:	+/- 2 mL or 1%
Programmable Functions:	Pre/Post-purge, Sample size, Auto shut-off, Delay start, Flow inputs, Sampling interval, Bottle config., Weekly Programming
Sampling Modes:	Constant/Variable Time/Flow, Constant/Variable, Volume. Time/Flow Based, Incremental Flow per bottle
Controller:	Microprocessor control
Controller Protection:	Nema 4X, IP66
Warranty:	Two years from shipment

\*Specifications subject to change.

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## Our Location

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## Contact Us

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