

# WHIRL-PAK®

Nasco SAMPLING  
WATER  
VOLUME 1



NAVIGATING THE WATER INDUSTRY

## SAMPLING + TESTING

Dive inside to find solutions on products  
trusted by water industry experts around the world.

WELCOME TO  
**NASCO SAMPLING  
 WATER SOLUTIONS**  
 COLLECTION & TESTING APPLICATIONS

With Whirl-Pak you can expect simpler and safer solutions for all your water sampling and testing needs. With over 60 years of proven reliability, our high-quality products can help you ensure accurate results, whether collection takes place at a wastewater treatment plant, production facility, or lab.

WHAT'S INSIDE...

**WHAT MAKES US DIFFERENT?**  
 Why Whirl-Pak is more than your ordinary closure bag. **04**

**FEATURED COLLECTIONS**  
 See how Whirl-Pak collections help ensure accurate and effective results. **06**

**SUSTAINABILITY STUDY**  
 Review the cost and time reduction benefits of Whirl-Pak bags when compared to bottles. **08**

**YOUR PATHWAY TO SUCCESS**  
 Need help getting started on your transition to a new collection source? We can help! **10**

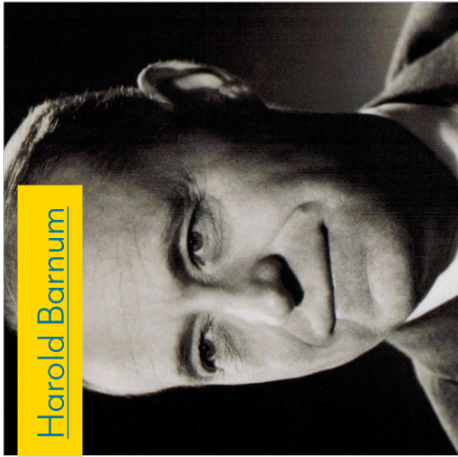
**PRODUCTS FOR YOU**  
 Start with these products in your facility today! **12**





# ABOUT OUR COMPANY

It all began with milk. In the early 1950s, milk was transported in bulk tanks after being collected from dairy farms along a specific route. With each farm's product becoming combined in one blend, farmers soon began to voice concerns over the potential risk for a reduction in overall milk quality. Taking up the issue in 1954, Harold Barnum, a leading authority in the milk sanitation industry, developed a process called the "Universal Sampling Procedure." With this method, a milk truck driver could collect milk samples from each farm and test it prior to transport in order to ensure its quality throughout the process. Because of the effectiveness of this testing, Barnum soon saw a need for mass production of leak-proof closure bags, and Whirl-Pak was officially established in 1959. Because Barnum transformed the dairy industry, he began to explore quality assurance testing and sampling in other industries, such as food, beverage, and water. Today we live in a safer, healthier world thanks to Barnum's vision, and our business continues to thrive because of his tireless work.



Harold Barnum

At Whirl-Pak, we continue to strive for excellence with secure sampling bags that ensure the safety of consumers while improving efficiencies in processing facilities and laboratories. As quality management policies and regulation requirements change, the health and safety of the consumer depends on the accuracy of your test results. Whirl-Pak can help you deliver the best possible outcome — each and every time.

We will always deliver results you can trust.



keeping liquid samples safe  
**SINCE 1959**

# OUR PRODUCT DIFFERENTIATORS

Post-Manufacturing Sterilization and Results You Can Trust

Your time is important, and you should never worry about the validity of your test results due to a faulty sampling container. Whirl-Pak products undergo post-manufacturing sterilization and quality assurance testing at a medical-grade, ISO-certified facility known as +1 Sterilization<sup>®</sup>



Superior Film Strength

Have you dealt with cracks in collection containers, or film bursts in other closure bags? Our exceptionally clear film makes Whirl-Pak closure bags able to withstand vigorous drop, dart and burst testing for increased reliability and durability assurance.



Liquid Locking Closure

Currently using bottles? Not convinced a 'bag' can contain liquid without leaks? Experience the Whirl-Pak difference and reach out to us at [contact@whirl-pak.com](mailto:contact@whirl-pak.com).



Continuous Perimeter Seal

Don't waste time on popped-tops or leaky containers. You need a solution that can withstand impact, pressure, and a broad range of temperatures. Whirl-Pak's welded seams offer guaranteed protection and reliability.



Trusted by Experts for

Over 60 Years

Proprietary design elements of Whirl-Pak bags exceed the commodity and have gained trust of field and lab technicians within the largest multinational brands, will you be next?



# SMARTER SAMPLING SOLUTIONS

Regardless of the task at hand, you need the right equipment to get the job done efficiently and effectively. Nasco Sampling can be a reliable partner for helping you achieve success.

With Smarter Sampling Solutions, we provide the tools and equipment to collect, test and store water samples.

In addition to a portfolio that supports your facility from start to finish, you can rely on consistent quality and customer service.

Our featured collections (at right) support the water industry by understanding the needs of field technicians, operators, treatment technicians, lab technicians, environmental analysts and scientists, quality assurance professionals, research chemists, and more.

Our closure bags support collection, testing and storage applications by offering a one-touch container solution that saves you time while reducing unnecessary costs.

There's never been a better time to try our Smarter Sampling Solutions. We can help you reduce waste and cost while increasing sustainability and providing a pathway to success at your facility.

Take the lead, and make the change today.

# FEATURED COLLECTIONS



## WHIRL-PAK CLOSURE BAGS

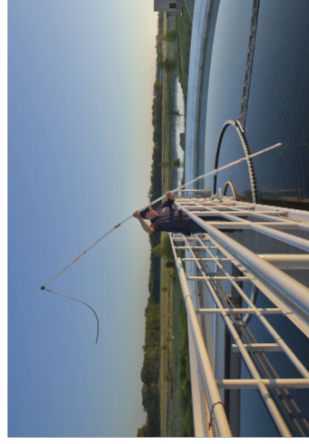
Closure bags are a more sustainable solution for the bottles currently used today.

The Thio-and Stand-Up bags are specifically designed to help increase efficiency while reducing costs in the water industry. In addition, the Standard, Filter, and Sponge bags can also be utilized for quality-assured results.

Application: Collect, Test, Sample, Store

Whirl-Pak Bags - See more at [www.whirl-pak.com](http://www.whirl-pak.com)

THIO-BAG | STAND-UP | STANDARD | FILTER



## COLLECTION TOOLS

Sludge and water collection tools that help maximize efficiency.

Whether you're working with wastewater, drinking water, or production cycles, the customer-favorite Sludge Judge® series, including the Sludge Nabber and Swing Sampler, is a cost-effective solution that offers maximum quality with increased efficiency.

Application: Collect

Sludge Judge Series - See more tools at [www.whirl-pak.com](http://www.whirl-pak.com)

SJUNIT | SJULTRA | SJIUNIT



## STORAGE

Storage racks for ease of mobility between locations or stations within the lab.

Our storage racks are comprised of fused, 12-gauge steel finished with an electrostatic powder coating for a durable, lightweight, and easy-to-clean solution.

Application: Test, Store, Transport

Compartments - Watch for NEW racks on [www.whirl-pak.com](http://www.whirl-pak.com)

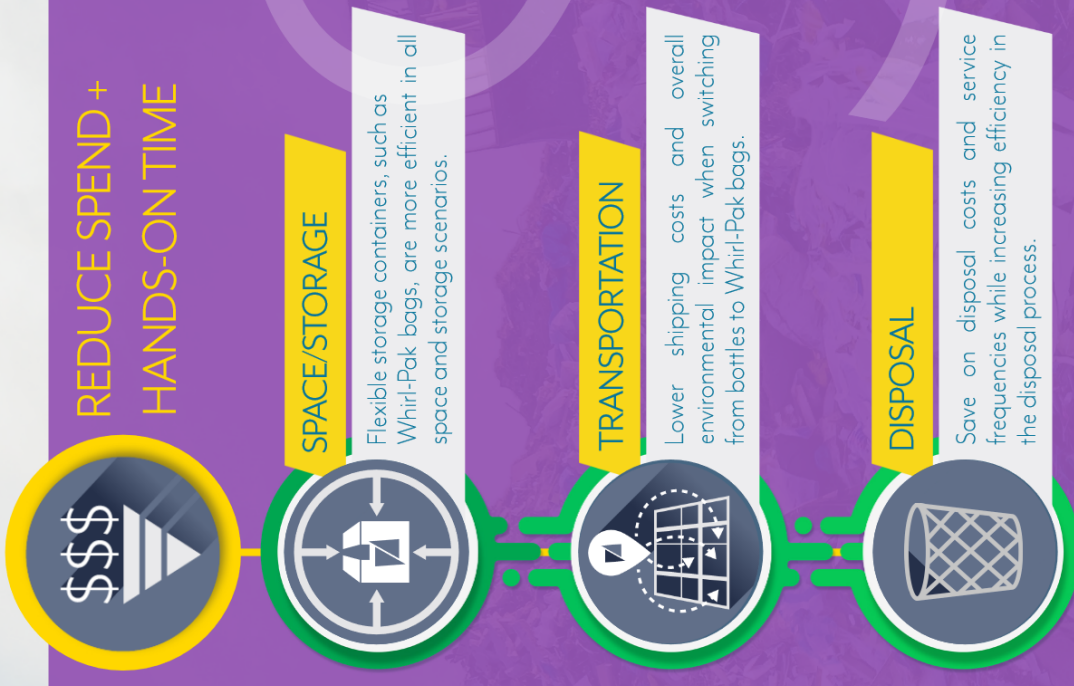
ONE | TWELVE | TWENTY



# SMARTER SUSTAINABILITY

## MEET SUSTAINABILITY TRANSFORMATION GOALS

When compared to rigid plastic containers, studies have shown that Whirl-Pak bags deliver a more cost-effective alternative to non-flexible containers. But that's not all. Because Whirl-Pak bags also require fewer materials and less energy and water to produce, thus leaving a lower overall impact on the environment.



A study was performed to identify the sustainability benefits when comparing one-time-use rigid containers to Whirl-Pak's Thio-Bags. Rigid containers used in this comparison included PP, PET and HDPE Bottles.

# PATHWAY TO SUCCESS

COST EFFECTIVE • IMPROVED USER EXPERIENCE • WASTE REDUCTION • DECREASE RISK

*Make the switch*

Are you ready to make the switch from nonflexible containers to Whirl-Pak closure bags, but you're not quite sure where to start? At Nasco Sampling we can help you understand the important cost-reduction benefits for both your team and your facility in equipment, media, consumables, and more. Plus, we'll help you reduce hands-on time and reduce plastic waste — all while maintaining regulatory requirements.



9

## IMPLEMENTATION PAIN POINTS ADDRESSED

**Q:** Is there a significant learning curve in the field or in the lab?  
**A:** Multinational brands have reported a one-week learning curve.

**Q:** Are Whirl-Pak closure bags available through international distribution channels?  
**A:** Whirl-Pak is available world-wide through best-in-class partners.

**Q:** Will this change require significant investments?  
**A:** Multinational brands that have rolled out the conversion from bottles to bags have only captured savings.

**Q:** Do Whirl-Pak bags meet federal regulations?  
**A:** Whirl-Pak bags are R-Nase, D-Nase, Pyrogen and BPH free and comply with FDA, USDA, HACCP and EPA.



## SUCCESSFUL ROLL-OUT

You recognize the cost, waste, and time-saving opportunities of making the switch from bottles to bags, and you have the data to prove it. But now what?

1

### DEFINE: MAP OUT RAW MATERIAL AND FINISHED PRODUCT TESTING

- Put together a list of bottles or other bag sizes currently used in your process. We'll provide a comparable list of products to streamline skus and suppliers utilized in your facility.
- Where a bottle was once used - is there a stability concern on the scale or in the incubator? We can recommend solutions.

2

### INFORM: NOTIFY PURCHASING AND SERVICES OF CHANGE

- Provide a Whirl-Pak product list to your purchasing agent. Be sure no substitutes are made as the Whirl-Pak brand is necessary for risk aversion.
- Notify disposal services of changes — frequency and volume will be reduced.

3

### IDEATE AND EMPATHIZE: MEET WITH TEAMS TO CAPTURE THEIR CONCERNS

- Meet with those collecting and analyzing samples to address questions or concerns.
  - Potential questions might include: Will this take more time? How does this impact other portions of my job? We've always done it this way, why change now?
- Our team is available to provide resources and training, so your team understands the user-friendly benefits of Whirl-Pak bags, and how this will help make their jobs safer and more efficient.

4

### TEST: SET UP PRODUCT AND TESTING STATIONS

- Make yourself available for one-week to troubleshoot with your team any challenges encountered in the cut-over stage.
- After launch week, users are comfortable with the change and embrace the positive impacts beyond those mapped out for business efficiencies.

## From Ideation to Implementation

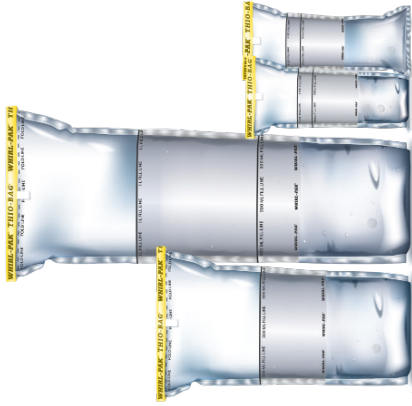
We'll guide you in the following areas while offering continued implementation support and product expertise.

- Streamline raw material and finished product testing
- Product documentation and certifications
- Sustainability benefits - reduction of waste
- Reducing costs (equipment, media, consumables, hands-on time)
- Disposal time and cost savings
- Maintaining regulatory requirements
- Q&A product application session
- User training and solutions
- Liquid-locking closure training
- Our team is available to provide further insights on value-added product application opportunities for seamless implementation of Whirl-Pak products throughout your collection and analysis process.

A WELL-KNOWN BRAND RECENTLY SWITCHED TO WHIRL-PAK IN THE LAB AND SAVED **1 METRIC TON** OF WASTE IN ONLY ONE YEAR!

10





### THIO-BAGS®

EPA approved for more efficient microbiological water sampling and analysis.

Thio-Bags are specifically designed with a thiosulfate tablet already in the bag for sampling chlorinated water from municipalities, swimming pools, waste water, and other areas to test for fecal coliforms or other bacteria. Available in both a flat and stand-up bag.

#### STYLE/SIZE

STAND-UP	118 mL	296 mL	503 mL	1,006 mL
FLAT	118 mL	296 mL		

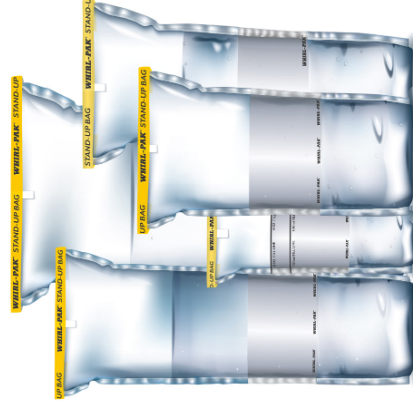
### STAND-UP BAGS

Self-standing bag works like a bottle without the cost and storage constraints.

The Stand-Up bags have a gusseted bottom that unfolds when a sample is placed inside, allowing the bag to stand upright. By replacing bottles with Whirl-Pak Stand-Up bags you will save on product and disposal costs, have a guaranteed sterilized container, ensure for a safe and clean lab with shorterproof material, and use only a fraction of the storage and disposal space.

#### SIZES

118 mL	532 mL	710 mL
1,065 mL	1,242 mL	2,041 mL
		4,081 mL



### STORAGE RACKS

Easy transportation of samples from collection site to the lab and incubation.

Made of 10-and 12-gauge steel fused together for strong joints and straight lines. Racks are finished with an electro-statically applied powder coating for a durable and easy-to-clean finish which will stand up to many laboratory materials.

#### COMPARTMENTS

ONE	TWELVE	TWENTY
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### SLUDGE JUDGE® SERIES

Take accurate readings of settleable solids of 5% or less in a variety of liquids.

Find the right fit for your needs in our Sludge Judge series. Whether you need the complete unit or a replacement part, we have the size you need for a cost-and time-efficient solution.

The Sludge Judge and Sludge Judge II differ in diameter. SJ II offers an additional 1/4" and while the Sludge Judge Ultra is comparable in size to the Sludge Judge, it is differentiated by the polycarbonate treatment. Sludge Judge Ultra is treated with an ultraviolet stabilizer to help reduce deterioration from the sun's harmful rays.

For individual components visit [www.whirl-pak.com](http://www.whirl-pak.com)

SJUNIT

SJULTRA

SJIIUNIT

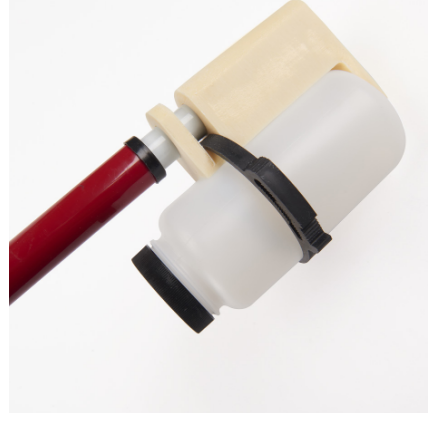
### SWING SAMPLER

Intentionally designed for those collecting samples from a horizontal flowing stream.

Are you in need of an easy-to-use, time saving sample collection tool for horizontal flowing streams such as a sewer? Then the Swing Sampler is specially designed for you! The end of the sampler swings, allowing collection from different angles, including 90°. Available in two sizes, the swing sampler extends to meet your needs.

#### SIZES

6-12 ft.	8-24 ft.
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### SLUDGE NABBER

Make sample collection of liquids fast and easy.

The Sludge Nabber is an adjustable aluminum pole that extends from 122 to 199 m (4-6 1/2' ft.). Collection containers range from 250 -1,000 mL and can be placed in the base and held in place with an adjustable locking ring.

# COMING SOON

When our users talk, we listen!

For a more efficient, user-friendly design, we've added fill and closure lines to our full Thio-Bag line-up. You can expect the same gold-standard quality as our current Thio-Bags, with the added small, but impactful time-saving changes.

## SIZES

118 mL 296 mL 503 mL 1,006 mL



### LIQUID LOCKING CLOSURE LINE

You and your team will never second-guess how many times the closure should be rolled or whirled down for a secure, leak-proof closure! Your indicator is now on the bag!



### FILL LINE

Collecting a sample right from the source? Separating raw samples in the lab? The new fill lines on ALL THIO-BAGS provide fill accuracy of ±5, saving you hands-on time and supplies.

## WHIRL-PAK THIO-BAG WHIRL-PAK THIO-BAG

### LIQUID LOCK CLOSURE LINE

NE PRIOR TO CLOSURE      FILL LINE PRIOR TO CLOSURE      FILL LINE PRIOR TO

100 mL FILL LINE      100 mL FILL LINE      100 mL FILL LI

We are holding ourselves to a higher standard, by shipping our product in the most sustainable, eco-friendly way possible without sacrificing our quality standards.

## PRODUCT IMPROVEMENTS FOR IMPROVED USER EXPERIENCE



### LIQUID LOCKING CLOSURE LINE

Users will now have direction for a secure, leak-proof closure



### FILL LINE

Fill lines have an accuracy of ±5 prior to closure



### YELLOW TAPE

Trademark Whirl-Pak color for quality assurance

## CUSTOMER FAVORITE FEATURES HERE TO STAY

### A PUNCTURE-PROOF CLOSURE TABS

Wire tab closure holds bag open for easy access to fill sampling contents

### B POST-MANUFACTURING STERILIZATION

Our +1 Sterilization<sup>®</sup> process improves sample integrity

### C THIOSULFATE TABLET

No need for sample transfer or additional media, the tablet is in the bag

### D GUSSETED BOTTOM

Self-standing gusseted bags, a comparable conversion from bottles

## WE'RE MAKING NOTICEABLE CHANGES TO DO OUR PART

Environmental sustainability is a must in today's business environment, and Nasco Sampling takes this initiative very seriously. We strive to provide economic and environmentally sustainable product solutions for our customers, while looking to improve opportunities throughout our supply chain, manufacturing, and logistics operations to remain a gold-standard supplier.

One major change coming your way is the conversion from white to kraft inner cartons. This green(er) packaging is comprised of 78.7% recycled material and is 29% more recyclable than the well-known, previously used Whirl-Pak white box.

In addition to providing a more eco-friendly carton, this change enhances your Whirl-Pak experience with a more durable material for shipping and storage. The new kraft-pak inner cartons do not endure the same extensive bleaching process as the white box, a process that decreases the paper's strength. With the added durability of the new kraft material, the cartons can be reused within your facility, if necessary for an additional sustainability benefit to your organization.

With this fundamental change, you can expect your product to arrive as pristine as the day it left our manufacturing line, delivering our best-in-class guarantee for quality you can trust.

“Change one small thing today, and bigger changes will follow”

- Diana Cooper

- Nasco Sampling





*Nasco* SAMPLING

4916 E. Broadway  
Madison, WI. 53716

JOIN US



SCAN ME

Sign-up to join our virtual focus group! Where innovation comes to life.

NAVIGATE SMARTER SAMPLING

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To learn more, or to view our entire product portfolio visit [www.WHIRL-PAK.COM](http://www.WHIRL-PAK.COM)