



VACUUM PUMPS, COMPRESSORS & SYSTEMS FOR

Poultry Processing





NASH VACUUM SOLUTIONS Support Growing Applications

Poultry processing is an application where vacuum is applied in the conversion of live poultry into raw poultry fit for human consumption. This is a vacuum application that continues to grow in the food industry. The reason being is poultry maintains a good reputation as there are no religious restrictions, it is low in fat and light weight, which makes it easy for good meat to be extracted.

NASH liquid ring vacuum pumps administer vacuum to remove unwanted portions of poultry. Vacuum is applied to processes such as evisceration, lung guns, final control machines, venter and other equipment necessary to prepare the product for packaging and human consumption.

During the evisceration process, vacuum is applied to remove the poultry carcass' internal organs and feathers. Evisceration through vacuum is effective and hygienically without risk of contamination. By means of vacuum, the lung gun extracts the product's lungs, blood clots, and other evisceration leftover items to continue preparation for human consumption.

NASH® Solutions for Poultry Processing

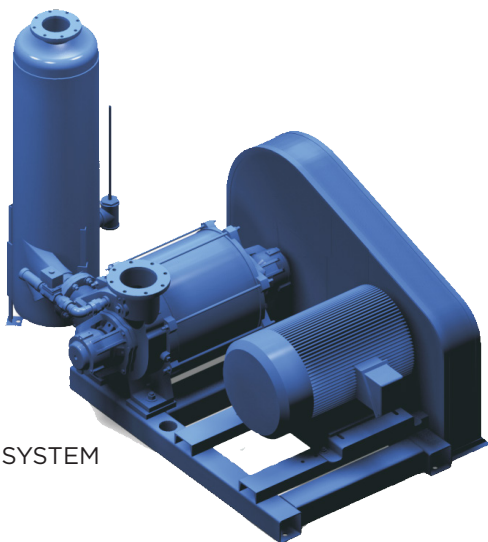
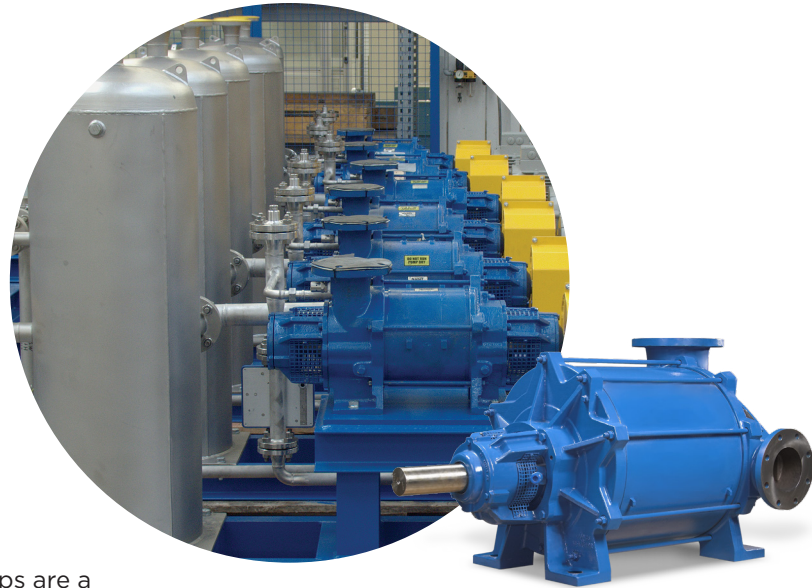
Quality Sustainable Solutions

NASH Vectra XL liquid ring vacuum pumps are designed for rigorous, nonstop demands of harsh industrial environments. These systems are held to the highest standard of reliability and manufactured to achieve optimum performance and unprecedented production efficiencies. Vectra XL liquid ring vacuum pumps are a revolutionary line of economical pumps that are of great value to OEM customers.

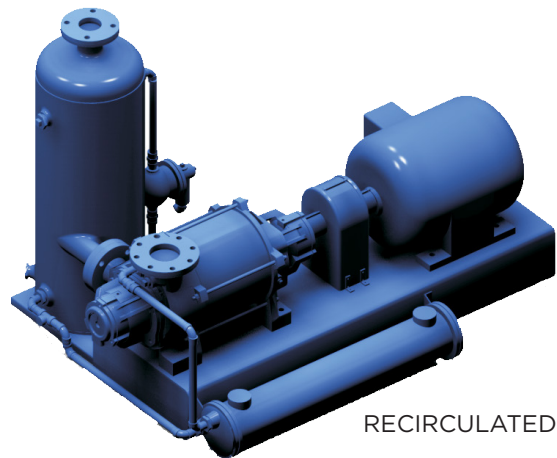
NASH Vectra XL liquid ring vacuum pumps excel in applications, such as poultry processing, that require discharging against positive back pressure. Vectra XL vacuum pumps meet high combustible range standards and are ATEX certified. Since NASH Vectra XL vacuum pumps are designed for harsh environments, they are available in ductile iron and stainless steel to accommodate a variety of mechanical seals. Fundamental elements of the Vectra XL vacuum pump design includes improved cone angles, which decreases the size of the pump and NASH patented Gas Scavenging Technology, which improves pump performance at high vacuum levels.

Furthermore, NASH VectraPaks are standard and configured-to-order (CTO) pre-engineered vacuum systems. These systems are designed to enhance overall process performance for common industry challenges. VectraPaks contain necessary components that are assembled and piped and can be shipped in 6 weeks as long as the pump is in stock.

Nash offers two VectraPak vacuum solutions, the once-thru and fully recirculated systems. These vacuum systems are available in various sizes, and in iron or all stainless steel construction with vacuum levels to 29in. HgV (to 33 mbar abs).



ONCE-THRU SYSTEM



RECIRCULATED SYSTEM

ENGINEERED FOR DEMANDING ENVIRONMENTS

Versatile Product Technology Expertly Applied

Gardner Denver Nash knows the technology behind liquid ring vacuum pumps because it invented the liquid ring principle of operation. Nash is a leading global provider of engineered vacuum solutions and has supported the growing poultry processing industry for several decades. The NASH Vectra XL and VectraPak are rugged in construction with lower water consumption and associated utility costs. The Vectra XL and VectraPak are the ideal solution and supports OEM specific demands.

Nash is the poultry processing industries preferred manufacturer for innovative application and solutions focused on OEM specific requirements and disciplined performance.

FEATURES	BENEFITS
Assembled and Shipped Quickly	From Assembly to Your Customer in 6 Weeks*
Pre-Packaged Solutions	Quick Installation, Support Industry Growth
Direct Drive Speeds for 60 & 50 Hz Motors	Global Product Design for Worldwide Use
Extended Pressure Ratings	Ability to Handle Tough Applications Where Backpressure is Required
NASH Patented Gas Scavenging	Increased High Vacuum Performance
Optimum Design Using Finite Element Analysis	Improved Efficiency, Performance, and Value
100% Performance Tested	Trouble-Free Start-Up & Operation
Backed by a 2-Year Warranty and Over 100 Years of Experience	Peace of Mind

**Depending on Pump Stock & Availability.*

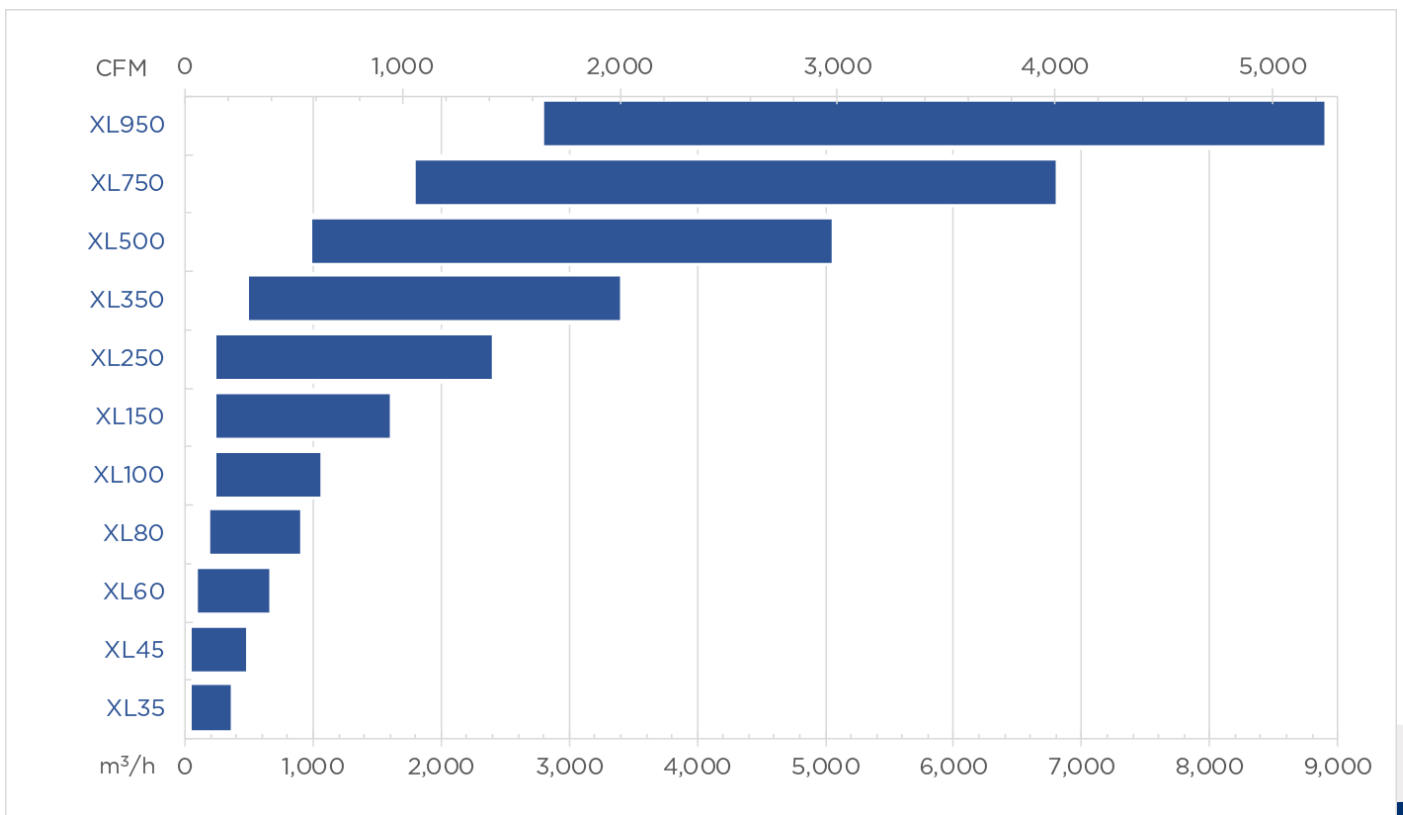


RELIABLE & EFFICIENT WITH PROVEN PERFORMANCE

Vectra XL and VectraPak liquid ring vacuum pumps & systems deliver advanced optimum performance with unprecedented production efficiencies. These economical solutions proudly service poultry processing applications.

NASH liquid ring vacuum pumps are tested prior to installation. Thus, ensuring top quality and avoiding operational downtime due to unforeseen issues. Nash is the leading global manufacturer of highly-engineered vacuum products.

Backed by over 110 years' experience, NASH CERTIFIED™ experts provide aftermarket support with maintenance, service, parts, and repair. Service centers are globally located to protect your vacuum system investment and provide quality, reliable and efficient solutions.



Areas of Excellence

Nash offers unparalleled expertise in the design and manufacture of systems to meet your specific process needs. NASH engineered systems are ready for operation, easy to integrate into process automation, help minimize installation and operating costs, and meet the rigors of the most demanding applications.

Our team is experienced in the coordination of large industrial projects and through our regional packaging facilities we deliver quality, engineered solutions while reducing cost and accelerating delivery.



MANUFACTURING

We use only the highest quality materials for our packaged systems. All sourced materials and components must pass our quality inspection and adhere to globally accepted methods for measuring quality.

And all of our plants ship across the world, meaning that everything we make in our state-of-the-art facilities is ready to be deployed anywhere – by anyone. We stand by our products knowing they are produced to meet or exceed global quality standards.



QUALITY

We hold every Gardner Denver Nash facility to the same high quality standards. No matter your location, your packaged systems will be delivered with the quality and reliability that you've come to expect. We have internal and independent systems for auditing our facilities across the globe, holding each plant to the same standards and quality metrics.



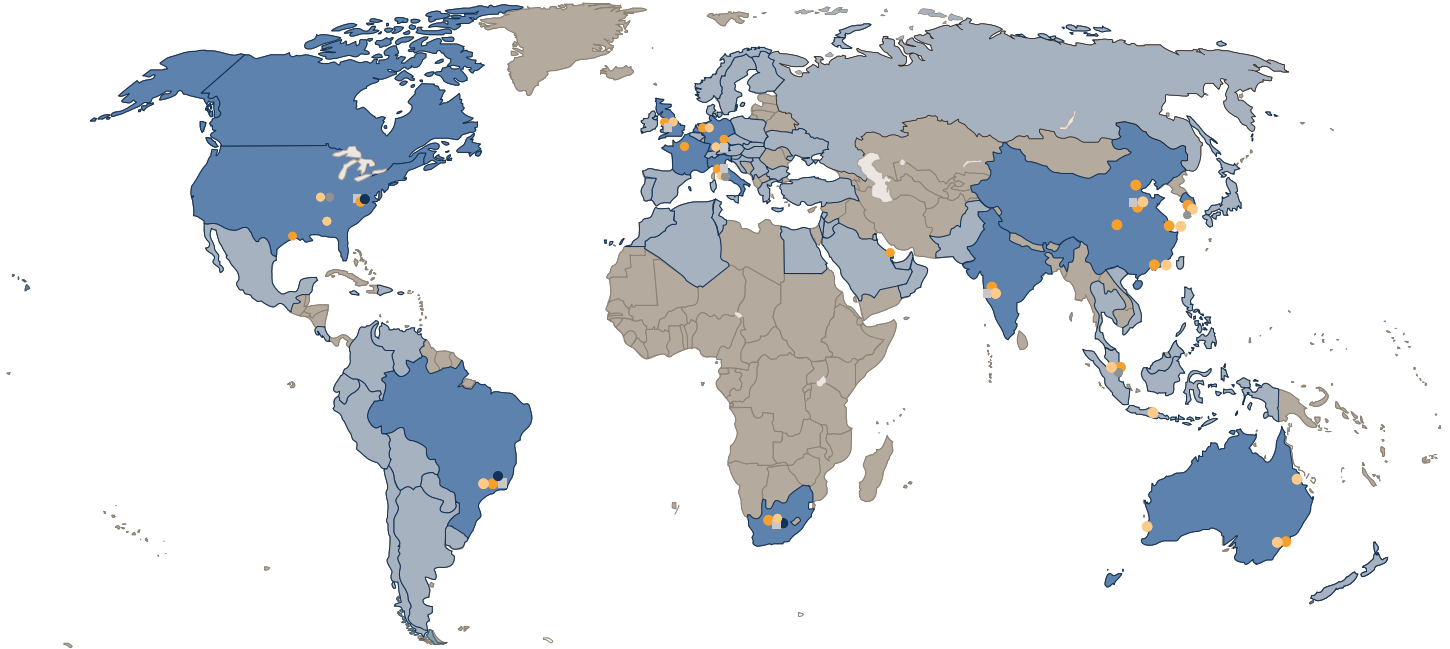
ENGINEERING

Our experienced engineering team works across geographic borders to develop and execute projects, delivering systems designed to your local specifications and standards, sourcing quality materials and providing documentation in multiple languages. And our practices and standards are consistent throughout our footprint.



Global Footprint

We're located where you do business. With 7 primary manufacturing plants, 16 sales offices, 15 service centers, 2 distribution centers and a licensee, we are truly a global manufacturer and service provider and will provide consistent, world-class service and support wherever you are located.



- Sales Center
- Service Center
- Manufacturing Facility
- System Packaging
- Distribution Center

Gardner Denver Nash Products & Systems



NASH® Liquid Ring Vacuum Pumps & Systems

The reliable and durable solution for demanding process applications. Through ongoing commitment to innovation, Nash continues to introduce liquid ring vacuum pumps that meet the rigors of the most demanding applications while improving efficiency and lowering total cost of ownership.



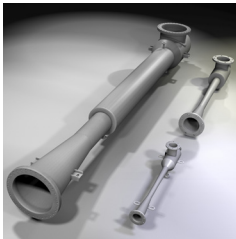
NASH and GARO® Liquid Ring Compressors & Systems

The rugged, reliable solution for demanding process applications. Designed to handle toxic, explosive and corrosive gases, and backed by a reliable history of performance under the most demanding conditions.



DRY-PRO® Dry Vacuum Pumps & Systems

Designed to meet your specific process needs, NASH engineered systems are ready for operation, easy to integrate into process automation, help minimize installation & operating costs, and meet the rigors of the most demanding applications.



ENER-JET™ Ejectors & Systems

Whether on their own, or as part of a NASH ENER-JET Hybrid Vacuum System, NASH steam jet ejectors are engineered for optimum efficiency, reducing steam consumption, while maintaining their ability to handle large volumes at very high vacuum levels.