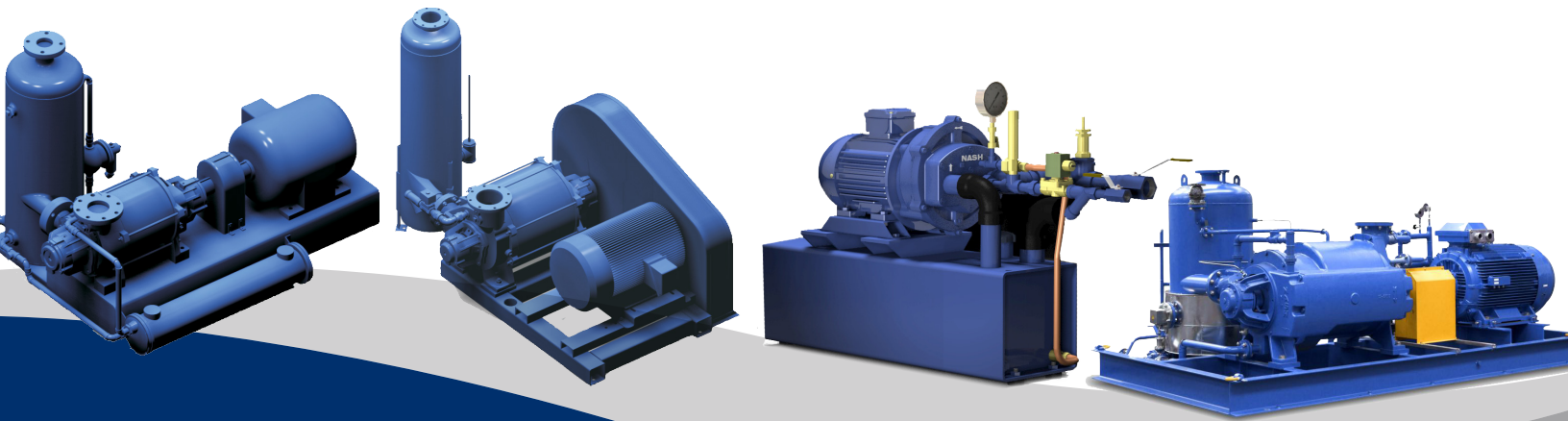




XL, GL, SX & TC LIQUID RING PUMPS & COMPRESSORS

PRE-ENGINEERED SYSTEMS





NASH PRE-ENGINEERED SYSTEMS

XL, GL, SX & TC Liquid Ring Vacuum Pumps & Compressors

NASH liquid ring vacuum pumps are known as tireless workhorses, designed to stand up to the rigorous, nonstop demands of harsh industrial environments. Built better than industry standards, NASH pumps have been known for their reliability for over 110 years.

Our pre-engineered systems deliver packaged vacuum solutions configured to your application-specific requirements. Built from a standard platform, our pre-engineered and packaged systems offer a menu of customizable options and are designed to meet common industry challenges.

Need efficient and reliable vacuum solutions? You need NASH.

NASH LIQUID RING TECHNOLOGY ADVANTAGES

Cool Running

- Safe handling of process gases

One Moving Part

- Long term reliability

Quiet Operation

- Improved work environment

Handles Liquid Carryover

- Minimizes process downtime

NASH CERTIFIED™ 2-Year Performance Guarantee

RELIABLE TECHNOLOGY FOR DEMANDING INDUSTRIAL PROCESSES

Based on over 110 years of engineering expertise, our pre-engineered systems deliver patented features and design elements that only the NASH engineering team can provide. Our package system offers NASH engineered solutions in a pre-configured design for fast turnaround, and delivery in as little as 6 to 8 weeks depending on pump stock availability.

- Pre-engineered Solutions
- Quick Delivery
- Configured to Meet the Demands of a Wide Range of Industrial Applications
- Plug & Play Installation

DEPENDABLE & EFFICIENT PERFORMANCE FOR A WIDE RANGE OF INDUSTRIAL APPLICATIONS

HIGH VACUUM

- Bottling
- Central Vacuum Systems
- Chucking
- Condenser Exhauster
- Deaeration/Degassification
- Deodorizing
- Distillation
- Ethanol Evaporation
- Evisceration
- Fiber Molding
- Hogging
- House Vacuum
- Packaging
- Paper Converting
- Poultry Processing
- Sterilization
- Wood Treatment

COMPRESSOR

- Wastewater Treatment
- Digester Gas
- Aeration
- Gas Boosting





NASH VECTRA XL VECTRAPAK STANDARD & CONFIGURED-TO-ORDER PACKAGES

- **Quick Delivery** - delivery in 6 weeks to 8 weeks depending on pump stock availability
- **Plug & Play** - quick installation
- **System Options** - once-thru, fully recirculated
- **Materials of Construction** - iron, stainless steel
- **Vacuum Levels** - to 29in. Hg (to 33 mbar abs.)

SYSTEM OPTIONS	ONCE-THRU	FULLY RECIRCULATED
High Vacuum Flow Controls	X	X
Inlet Check Valve	X	X
Inlet Isolation Valve	X	X
Mechanical Seals (Standard for Stainless Steel up to XL 150)	X	X
Relief Valve	X	X
Vacuum Gauge	X	X
Flow Switch	X	
Partial Recirculated Seal	X	
Seal Line Isolation Valve	X	
Spray Nozzle	X	
Variable Speed Drive	X	X
Motor Enclosures: <ul style="list-style-type: none"> • TEFC (Standard) • TEFC-SD • Explosion Proof 	X	X

FEATURES	BENEFITS
External Mechanical Seals (Optional on Iron, Standard on Stainless Steel up to XL 150)	Flexibility and Ease of Maintenance
Universal Stuffing Box	Accepts Variety of Mechanical Seals
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
Conical Design	Better Ability to Handle Water/Particulate Slugs
One Moving Part	Long-term Reliability
Variable Port Design	High Efficiency
Lobe Purges	Reduce Erosion Wear
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

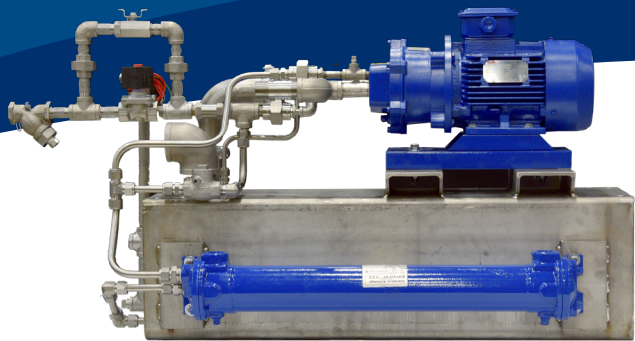


SYSTEM OPTIONS	ONCE-THRU	FULLY RECIRCULATED
Inlet Check Valve	X	X
Inlet Isolation Valve	X	X
Mechanical Seals	X	X
Relief Valve	X	X
Vacuum Gauge	X	X
Flow Switch	X	
Partial Recirculation Seal Flow	X	
Seal Line Isolation Valve	X	
Spray Nozzle	X	
Seal Line Solenoid Valve	X	X
Motor Options:		
• TEFC (Standard)		
• TEFC-SD	X	X
• Explosion Proof		
• Inverter Duty		

NASH VECTRA GL VECTRAPAK STANDARD & CONFIGURED-TO-ORDER PACKAGES

- **Quick Delivery** - delivery in 6 weeks to 8 weeks depending on pump stock availability
- **Plug & Play** - quick installation
- **System Options** - once-thru, fully recirculated
- **Materials of Construction** - iron, stainless steel
- **Vacuum Levels** - to 29in. Hg (to 33 mbar abs.)
- **Additional Option** - Oil Sealed Packages

FEATURES	BENEFITS
Compact Design	Less Floor Space Required
Built-in Mechanical Seals	No Shaft Leakage
Global Product Design	Direct Drive Speeds for 60Hz & 50Hz Motors
Conical Design	Better Ability to Handle Water/Particulate Slugs
One Moving Part	Long-term Reliability
Variable Port Design	High Efficiency
Lobe Purges	Reduce Erosion Wear
NASH Patented Gas Scavenging	Increased Performance at High Vacuum Levels
Redesigned Cone Angle	Reduced Pump Length
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



NASH VECTRA SX VECTRAPAK STANDARD & CONFIGURED-TO-ORDER PACKAGES

- **Quick Delivery** - delivery in 6 weeks to 8 weeks depending on pump stock availability
- **Plug & Play** - quick installation
- **System Options** - once-thru, fully recirculated
- **Materials of Construction** - iron, stainless steel
- **Vacuum Levels** - to 29in. Hg (to 33 mbar abs.)
- **Additional Option** - Oil Sealed Packages

SYSTEM OPTIONS	ONCE-THRU	FULLY RECIRCULATED
Lantern/Direct Mount	X	X
Inlet Check Valve	X	X
Inlet Isolation Valve	X	X
Mechanical Seals (Standard)	X	X
Relief Valve	X	X
Vacuum Gauge	X	X
Flow Switch	X	
Partial Recircula Seal Fluid Flow	X	
Seal Line Isolation Valve	X	
Spray Nozzle	X	
Seal Line Solenoid Valve		X
Motor Options:		
• TEFC (Standard)		
• TEFC-SD (Lantern Mount Only)	X	X
• Explosion Proof (Lantern Mount Only)		
• Inverter Duty		
• Wash-down Duty (Lantern Mount Only)		

FEATURES	BENEFITS
Efficient Design	Lower Operating Costs
Global Product Design	Suitable for 50 & 60 Hz Operation
One Moving Part	Long-Term Reliability
Variable Port Design	High Efficiency
NASH Patented Gas Scavenging	Increased High Vacuum Performance
Application Specific Versions	Improved Performance & Reliability
Quiet Operation	Improved Work Environment/Safety
Built-In Mechanical Seal	No Shaft Leakage
Commercial Motors Used	Meets Latest Efficiency Standards
100% Performance Tested	Trouble-Free Start-Up & Operation
Backed by a 2-Year Warranty and Over 100 Years of Experience	Peace of Mind



SYSTEM OPTIONS	ONCE-THRU	FULLY RECIRCULATED
Cast Iron/Stainless Steel Construction	X	X
Inlet Check Valve	X	X
Inlet Isolation Valve	X	X
Mechanical Seals	X	X
Relief Valve	X	X
Vacuum Gauge	X	X
Flow Switch	X	
Partial Recirculated Seal	X	
Seal Line Isolation Valve	X	
Spray Nozzle	X	
Seal Line Solenoid Valve	X	X
Motor Enclosures:		
• TEFC (Standard)		
• TEFC-SD (Severe Duty)	X	X
• Explosion Proof		
• Inverter Duty		
• Wash-down Duty		

NASH TC CONDENSER EXHAUSTER STANDARD & CONFIGURED-TO-ORDER PACKAGES

- **Quick Delivery** - delivery in 6 weeks to 8 weeks depending on pump stock availability
- **Plug & Play** - quick installation
- **Materials of Construction** - iron, stainless steel
- **Vacuum Levels** - <29in. Hg (30mbar abs.)

FEATURES	BENEFITS
New, patented air/water separation design*	Improved efficiency
Integrated two stage design	Improved system performance and efficiency
9 models available, accepting single, double and cartridge mechanical seals	Flexibility to meet your process requirements
V-belt or flexible coupling drive	Numerous installation options
Integral two stage impeller	High reliability and can attain high vacuum without additional components
Shrouded rotor blades	Strength and reliability
Removable bearing bracket	Easier maintenance
O ring and gasket sealing options**	Optimum sealing to your specs
ATEX compliant, ISO & ANSI connections available	Meets today's industry standards and global requirements
Offered in ductile iron or in stainless steel	High durability and corrosion resistance
100% performance tested	Trouble-free start-up and operation
Backed by 2-year warranty and over 100 years of vacuum and compressed gas experience	Peace of mind

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.



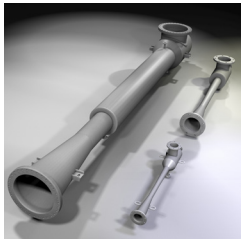
NASH and GARO® Liquid Ring Compressors & Systems

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.



Gardner Denver Nash, LLC

www.GDNash.com

©2020 Gardner Denver Nash, LLC Printed in U.S.A.

GDN-CTO-BR01255-1020 1st Ed. 10/20

 Please recycle after use.