

LIQUID RING PUMPS, COMPRESSORS & SYSTEMS

VECTRA SX SERIES





NASH VECTRA SX SERIES Pumps, Compressors & Systems

NASH liquid ring vacuum pumps have been setting the standard in performance and reliability for over 110 years. That standard has been redefined with the Vectra SX Series of small industrial vacuum pumps, compressors and packaged systems.

The Vectra SX series has taken legendary NASH standard for quality and applied it to smaller equipment sizes. These pumps have been engineered to excel in a wide range of demanding industrial applications that have low capacity requirements, while optimizing efficiency through reduced power usage and consumption of seal liquid.

The result is industry leading performance, reduced operating costs, and application specific configurations that target the varied requirements of demanding industrial processes.

Need efficient and reliable vacuum solutions? You need NASH.

NASH LIQUID RING TECHNOLOGY ADVANTAGES

Cool Running

- Safe handling of process gasses

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 in over 100 years of engineering expertise, the Vectra SX Series delivers patented features and design elements that only the NASH engineering team can provide.

- NASH Patented Gas Scavenging - Increased high vacuum performance
- Corrosion Resistant Pump Casing
- Precision Cast 316 Stainless Steel Pump Rotor Standard
- Motor does not operate in the service factor

EFFICIENT PERFORMANCE. REDUCED OPERATING COST.

Designed to use less energy and consume less operating liquid than other models, it is possible to save as much as 40% on power consumption and 50% on water usage.

PACKAGE SYSTEM SOLUTIONS

Our package system offers NASH engineered solutions in a pre-configured design for fast turnaround, and delivery in as little as 4-6 weeks.

- Compact, pre-engineered solutions
- Configured to meet the demands of a wide range of industrial applications
- Variable Port Design for high efficiency
- Plug & Play Installation

DEPENDABLE AND EFFICIENT PERFORMANCE FOR A WIDE RANGE OF INDUSTRIAL APPLICATIONS

HIGH VACUUM

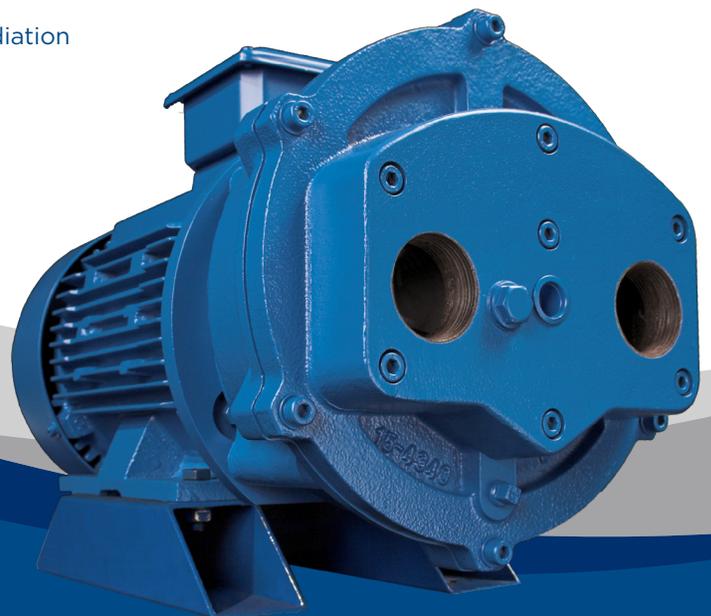
- Central vacuum systems
- Deaeration/Degassification
- Distillation
- Drying
- Evaporation
- Impregnation
- Autoclaves/Sterilization
- Vapor Recovery
- Vent gas removal
- Laboratory vacuum
- Priming

WATER HANDLING

- Extrusion
- Evisceration
- Filling
- Filtration
- Vacuum conveyance
- Dairy
- Soil remediation

COMPRESSOR

- Wastewater treatment
- Digester gas
- Aeration
- Gas boosting



VECTRA SX LIQUID RING VACUUM PUMPS & COMPRESSORS

Vectra SX vacuum pumps & compressors provide lower life cycle costs and greater overall value to our customers. Operating speeds have been carefully selected to ensure minimal wear, high efficiency and a long operating lifespan. Utility costs are kept to a minimum due to low water flow requirements and low power consumption.

MONOBLOCK

- Integral 230/460v, TEFC/IPSS motor

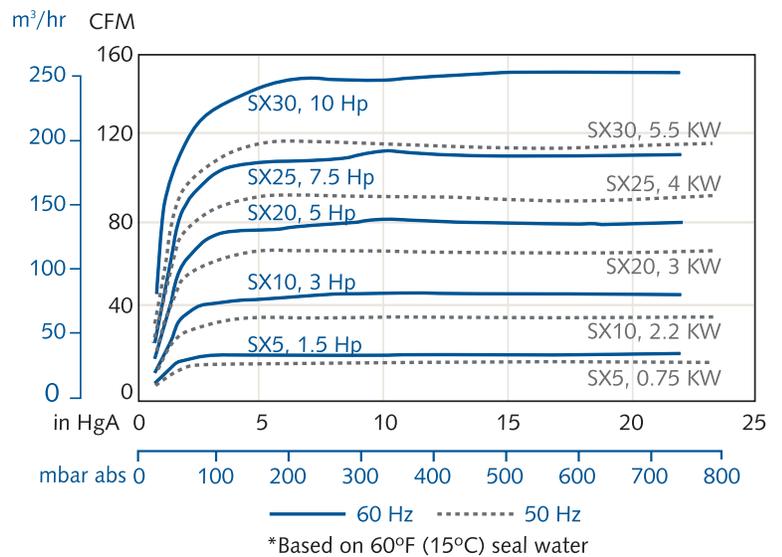


PERFORMANCE & SPECIFICATIONS

Vacuum Range	to 33 mbar abs to 29 in Hg abs
Mechanical Seal	Single, internally flushed
Compressor Pressure	to 20 psig to 2.3 bar abs std
Construction Material	Cast iron with precision cast 316 SS rotor & 304 SS body All precision cast 316 SS

LANTERN

- Allows flexibility to specify motor to suit application needs



VECTRA SX SYSTEMS

From standard engineered packages to custom engineered-to-order systems, every Vectra SX system delivers a packaged solution designed to stand up to the challenges of your process application. VECTRA SX systems deliver reliable performance backed by over a century of Nash Engineering expertise, and our NASH Certified™ complete system warranty.

SYSTEM OPTIONS	ONCE-THRU	FULLY RECIRCULATED
High Vacuum Flow Controls	X	X
Inlet Check Valve	X	X
Inlet Isolation Valve	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	

STANDARD & CONFIGURED-TO-ORDER PACKAGES

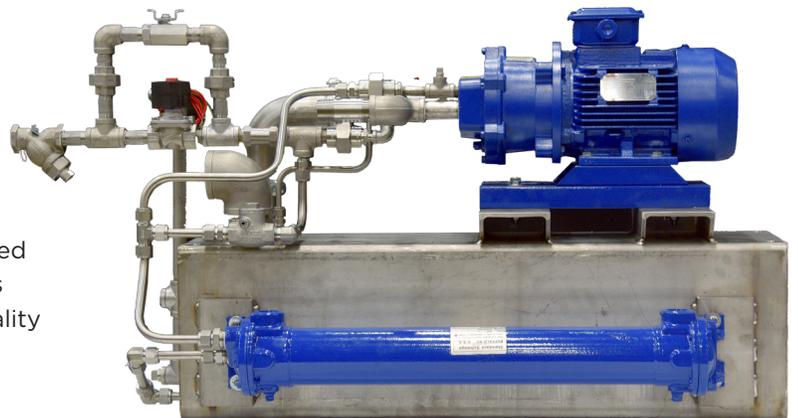
ONCE-THRU, PARTIAL & FULL RECIRCULATION - AVAILABLE IN CAST IRON & STAINLESS STEEL

NASH Vectra SX standard and configured-to-order (CTO) systems enhance overall process performance with pre-engineered solutions for common industry challenges. Featuring our “base-erator”, our SX packages offer a compact footprint with the separator built into the base of the packaged systems. Standard configurations offer plug & play installation and can be delivered in as little as 4-6 weeks.

ENGINEERED-TO-ORDER

For more than a century Nash has specialized in the design and manufacture of engineered systems that are tailored to your application and specifications. Our global team offers unparalleled expertise in the design, sourcing, and system packaging designed to meet your specific process needs.

All engineered-to-order systems are fully assembled and tested at one of our packaging plants, located in key industrial areas around the globe. Nash packaging plants are certified for quality and environmental according to ISO 9001:2008, 14001:2004, and OHSAS 18001:2007.



STAINLESS STEEL PACKAGE

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.