



HOFFMAN

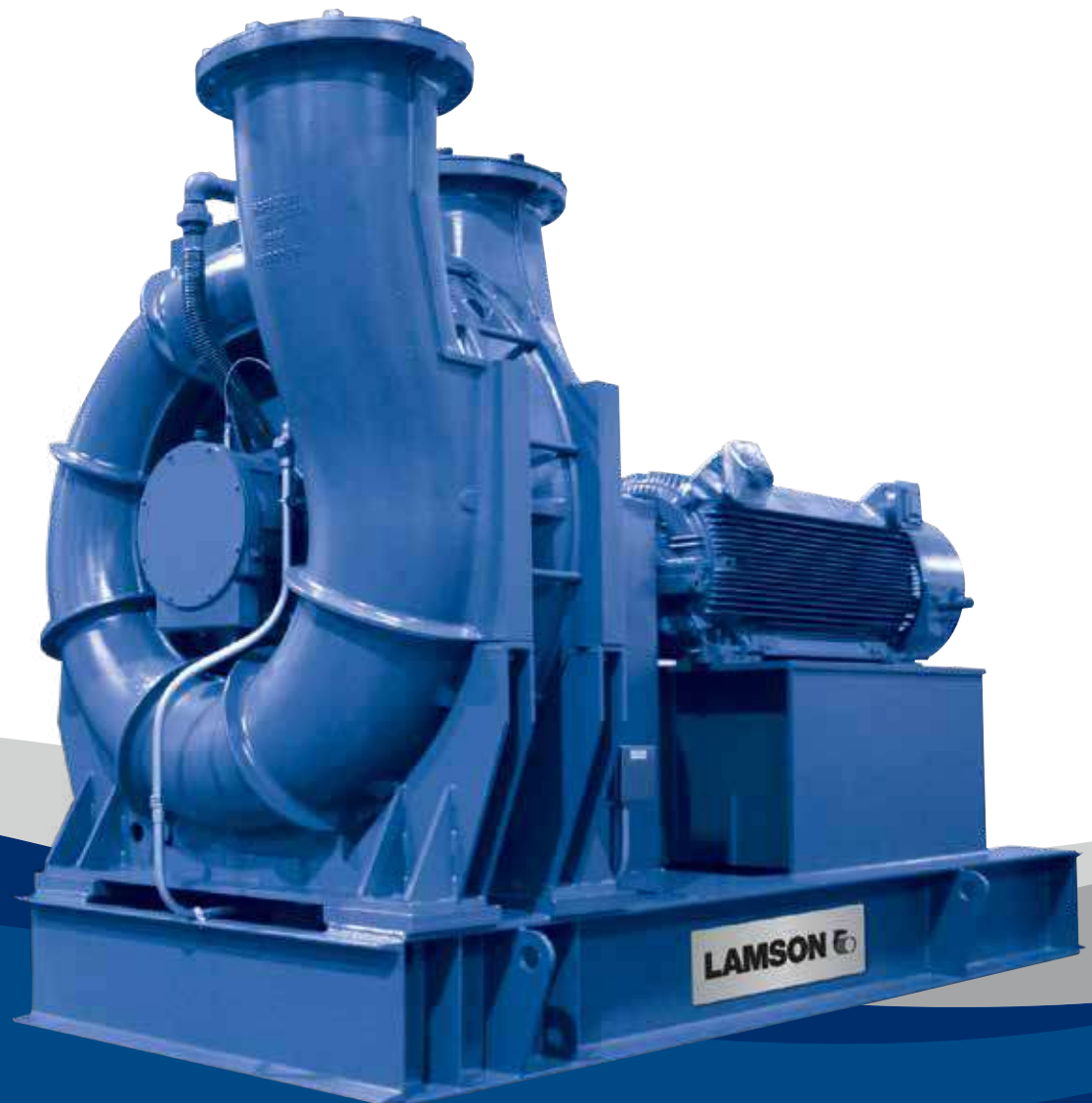


LAMSON

by Gardner Denver

BLOWERS / EXHAUSTERS

Multistage Centrifugal



HOFFMAN® & LAMSON®

Multistage Centrifugal Blowers/Exhausters

Serving a Wide Range of Applications

The range of applications for Hoffman and Lamson centrifugal products is ever-expanding and is firmly illustrated with over 100,000 machines in operation. The experienced HOFFMAN & LAMSON team, backed by years of research and development, provides effective, affordable solutions for a variety of application needs.

Water & Wastewater Treatment

In water & wastewater treatment, air is provided to water and wastewater aeration systems and air scouring/filter backwashing. HOFFMAN & LAMSON blowers can be specified for coarse/fine bubble diffuser systems, reactor batch supplemental air, digester gas boosters, grit channels and sludge digestion applications.

- Aeration
- Aerobic Digestion
- Biogas
- Digester Gas Boosters
- Filter Backwashing
- Air Scouring
- Grit Chambers

Industrial Processing

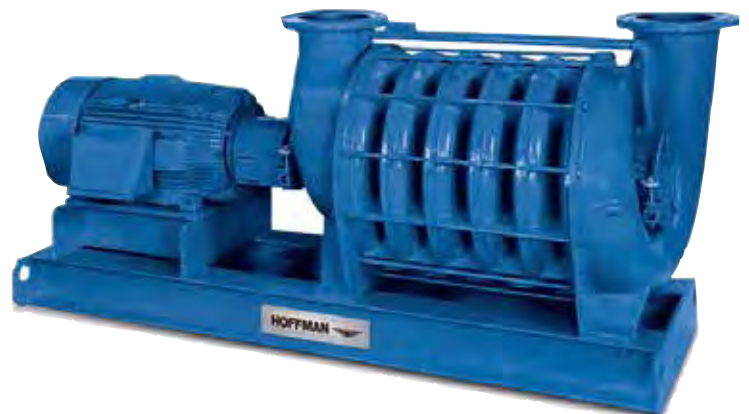
In the industrial market, our blowers provide air or gas for sulfur recovery, combustion air, process gas boosting, coal mine venting, fluidized bed combustion systems, vapor and gas extraction, composting, sludge incineration and printing systems, to name a few.

- Aeration Basins
- Air Drying
- Air Flotation and Sliding
- Air Knife Stripping
- Blow-off Systems
- Carbon Black
- Coal Gasification
- Combustion Air Blowers
- FGD - Forced Oxidation
- Fluidized Bed
- Gas Boosting - O₂, CO₂, N₂, etc.
- Gas Recovery
- Landfill Gas
- LNG Vaporizers
- Printing Operations - Turning Bars, Dryers, Binding Applications
- Pulp Dewatering
- Steel Plating Baths
- Sulfur Recovery
- Vapor Recompression

Engineered Vacuum Systems

HOFFMAN & LAMSON Engineered Vacuum Systems are used to pick up, convey and capture a myriad of materials ranging from aluminum granules to corn flakes.

- Clean Rooms
- Electronics
- Explosive Dust Collection
- Flux Recovery
- Housekeeping
- Nuisance Dust Collection
- Oral Evacuation
- OSHA Standard Required
- Pneumatic Conveying
- Powder Paint
- Product Reclamation
- Sanitary/Product Quality - Bakeries, Flour/Grain Mills, Food Products, Pharmaceuticals
- Source Capture





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Revolution^{Plus}

High Speed Turbo Blowers & Compressors

REVOLUTION^{PLUS}



Turbo Blower HL-B Series
Turbo Compressors HL-C Series



Product Turbo Blower

- High speed motor direct-coupled
- Centrifugal high pressure blower with air foil bearing

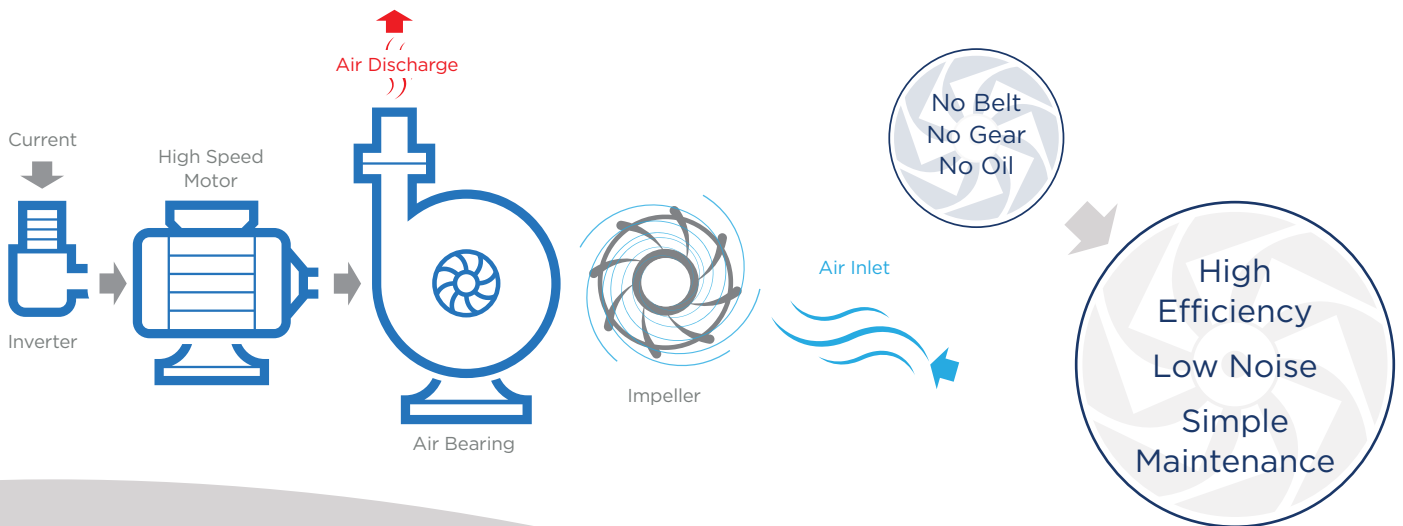


10-30Hp

50-150Hp

200-300Hp

400-600Hp



Application Area



Sewage Treatment Plant
for aeration



Chemical Factory
for air transfer



Cement Factory
for transfer



Power Plant
for supply oxygen

NASH

LIQUID RING PUMPS & COMPRESSORS - EMEAIA CATALOG



**EXPERIENCE THE FUTURE
OF SAFE & EFFICIENT HIGHLY
ENGINEERED VACUUM SOLUTIONS**

With more than 100 years of experience, Nash is today's leading manufacturer of liquid ring vacuum pumps and compressors and engineered to-order systems.

[REQUEST A QUOTE](#)

TURN TO THE TRUSTED MARKET LEADER!

Liquid Ring Operating

Principle

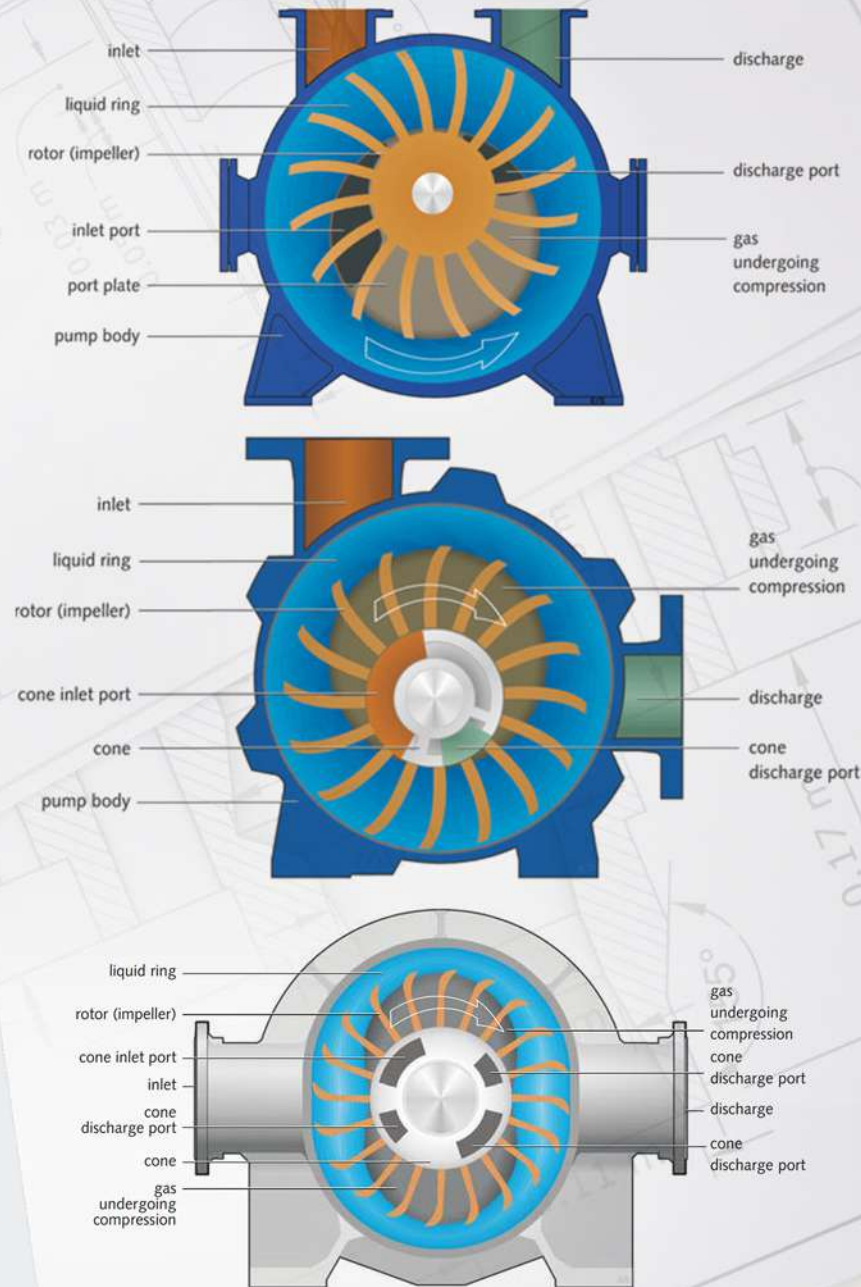
Nash liquid ring pumps are positive displacement machines achieve compression using a simple design and working principle. The seal liquid forms the ring inside a pump body as the rotor spins creating small chambers for gas to be trapped. The axis of the rotor is eccentric from the body allowing the liquid to almost fill, and then almost empty each rotor chamber during a single revolution, forming the compression of the gas for the pumping action.

Vacuum inlet and atmospheric discharge ports provide flow paths for the gas mixture being handled. The heat of compression of the gas is dissipated into the seal liquid, and some of the liquid flows out to discharge. The exhaust gas and residual water discharge is separated from the gas stream and directed to the house exhaust and returned to the pump respectively. Seal fluid is replaced by a constant flow of cooler seal fluid.

Gases Handled

Nash liquid ring pumps are capable of handling a wide variety of gases; from gasoline vapors, sulfur dioxide, and chlorine to hydrogen sulfide and vinyl chloride monomers.

Seal liquids can be chosen based on process requirements and the gas being handled. In addition to water, a range of seal liquids including acetic acid, acetone, glycol, xylene, and more can be used.



Applications

Wide Range of Applications

Compression inside the pump can cause gasses being handled to condense. Unlike other technologies, Nash liquid ring pumps have a high tolerance to moisture and condensation, making them ideal for a range of applications and processes that involve handling wet, aggressive, and explosive media.

Chemical Industry	HYDROGEN COMPRESSION	Electric Power Industry	Environmental	TEXTILE	Pulp & Paper	Food & Beverage	General Industrial	Oil & Gas	Mining	Pharmaceutical Industry
2BG	2BG	TC	Vectra XL	Vectra XL	VECTRA XS	Vectra GL/ XL	Vectra XL	2BM1	Vectra SX	2BM5
2BM1	2BK1	AT	Vectra GL	Vectra GL	2BG	Vectra SX	Vectra GL	2BM5	Vectra XL	2BM1
2BM5	2BM1	P2620	Vectra SX	Vectra SX	CL	2BK	Vectra SX	2BV6	Vectra GL	TC
2BV6	2BM5	SC	2BK	SC	SC	2BG	2BK	vectra XM	TC Two STAGE	2BV2
2BV	2BQ	CL	2BG	CL	904	TC	2BG	HP	AT	2BV5
VECTRA XM	2BE4	2BE1	TC	2BE1	905	AT	TC	2BQ	P2620	2BV6
HP	VECTRA XL	2BE4	AT	2BE4	2BE1	P2620	AT	TC	SC	2BV7
2BQ	VECTRA XM	2BV2	P2620	2BV2	2BE4	SC	P2620	Vectra XL	CL	2BE1
TC	HP	2BV5	SC	2BV5	P2620	CL	SC	2BE1	2BE1	VECTRA SX
VECTRA XL	NASH NAM/NASM	2BV6	CL	2BV6		2BE1	CL	2BE4	2BE4	VECTRA GL/ XL
2BE1	NAB	2BV7	2BE1	2BV7		2BE4	2BE1	2BK	2BV2	DryPro
2BE4	2BE1	904	2BE4	2BE4		2BV2	2BE4	2BG	2BV5	Nash Dry-Pro
2BK	2BE4	905	2BV2	2BV2		2BV5	2BV2	SC	2BV6	VSB
2BG	2BV2	Vectra SX	2BV5	2BV5		2BV6	2BV5	DryPro	2BV7	
SC	2BV5	Vectra XL	2BV6	2BV6		2BV7	2BV6	NASH NAM/NASM	N905	
DRYPRO	2BV6	Vectra GL	2BV7	2BV7		904	2BV7	NAB	N904	
NASH NAM/NASM	2BV7		904			905		905		
NAB			905				N905	Nash Dry-Pro		
905							N904			
VSB							VSB			



REQUEST A QUOTE

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