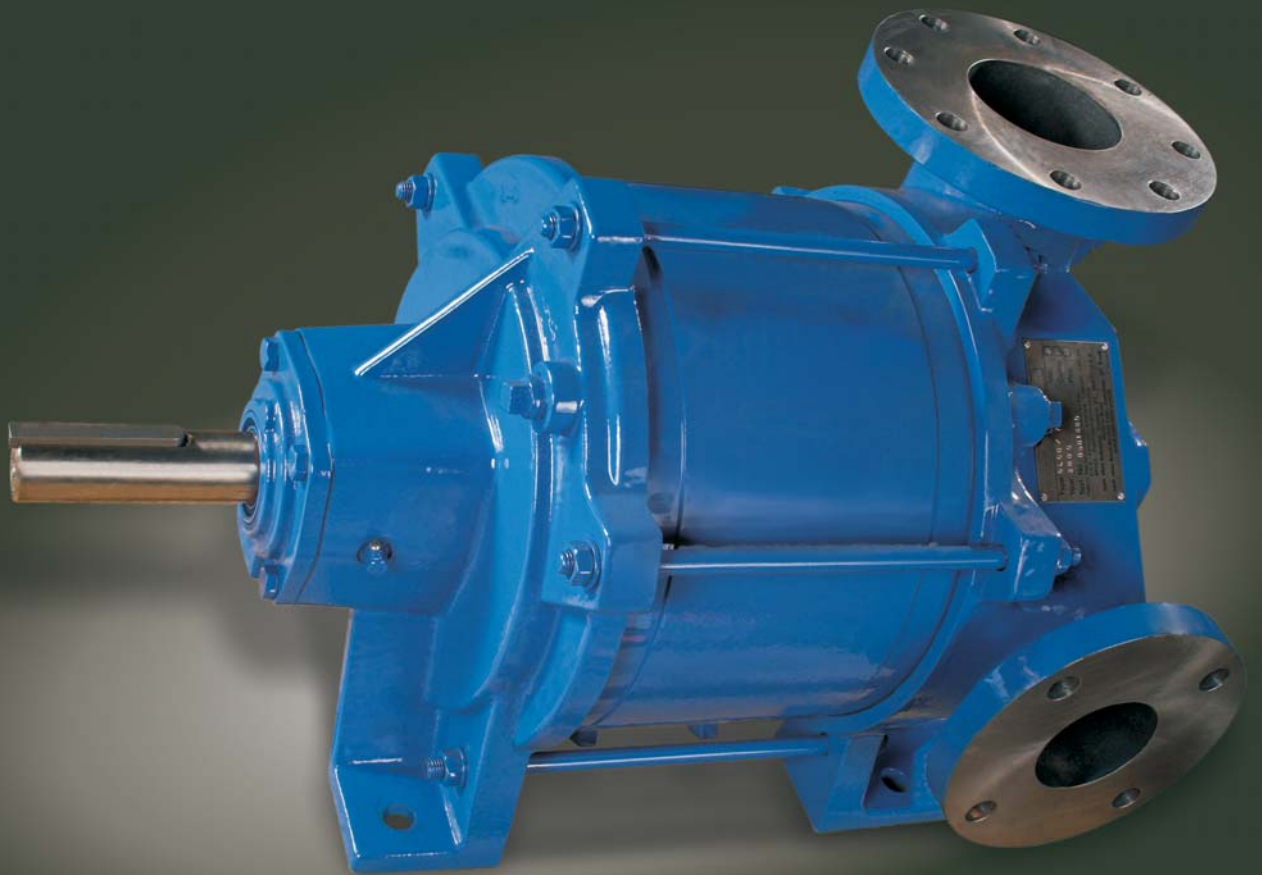


NASH

**Vectra GL Series
Liquid Ring Vacuum Pumps and Compressors**



NASH Vectra GL Series Liquid Ring Vacuum Pumps and Compressors

Industry Workhorses

NASH liquid ring vacuum pumps produced by Gardner Denver Nash have been known for more than 100 years as tireless workhorses, designed to stand up to the rigorous, nonstop demands of the harshest industrial environments. Built better than industry standards, NASH pumps are known for their reliability.

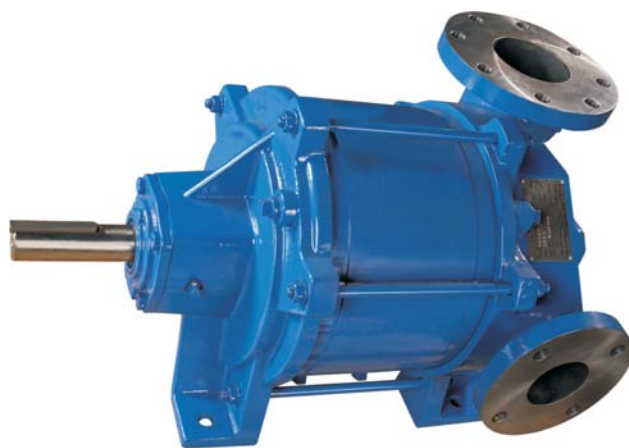
NASH Vectra GL vacuum pumps and compressors, created for a wide range of general industrial applications, combine the highest standard of this reliability with a new level of ingenuity. Gardner Denver Nash employs advanced design technologies to achieve optimum performance and unprecedented production efficiencies. As a result, NASH Vectra GL pumps are economical and provide great value to our customers.

Designed from the ground up based on customer defined market requirements; and the input from R&D, manufacturing, marketing, and most importantly, process engineers, NASH Vectra GL pumps are a revolutionary line of pumps tough enough to be branded NASH.

These pumps include technological advancements such as a patented cone design and rotor configuration.

Vacuum and compressor technology for general process industry

NASH Vectra GL pumps are designed for general industry applications. They are available in ductile iron only. Key elements of the design are the improved cone angles, which decrease the size of the pump, and NASH patented Gas Scavenging Technology, which dramatically improves pump performance at high vacuum levels.

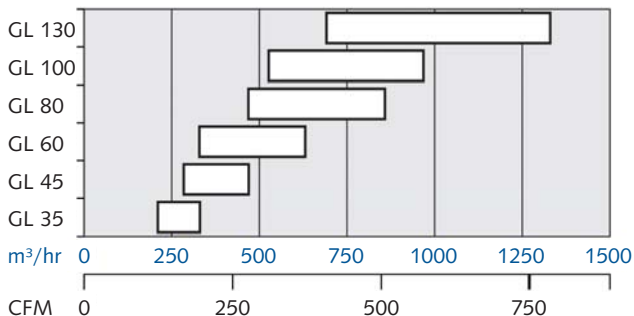


Basic Specifications NASH Vectra GL	
Vacuum range	to 33 mbar abs. (0-29 in Hg vac)
Mechanical seals	Single
Differential pressure capability	1 bar (15 psi)
Compressor pressure	2 bar abs. (15 psig)
Hydrotest pressure	6 bar abs. (75 psig) standard
Construction material	Ductile iron

Features	Benefits
Compact design	Less floor space required
Built-in mechanical seals	No shaft leakage
Direct drive speeds for 60 Hz and 50 Hz motors	Global product design
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 and operation

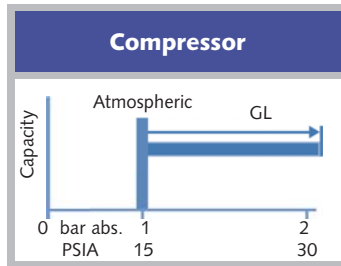
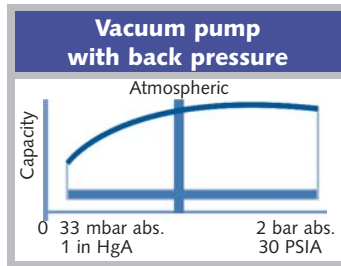
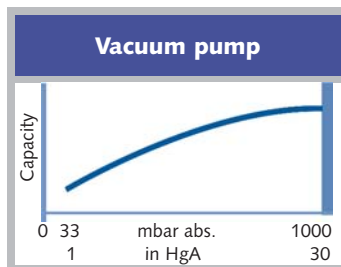
NASH Vectra GL Series World Class Design and Performance

Performance : Suction Capacity



Performance : Vacuum and Compressor Range

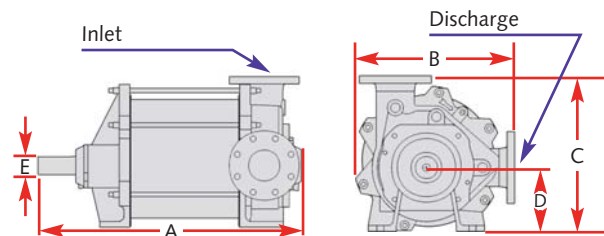
28	33	160	mbar abs.	1013	1.0	bar abs.	2.0	2.5	3.0
0.8	1.0	4.7	in HgA	30.0	0	PSIG	14.5	22	30



Dimensions

all dimensions are approximate; technical data subject to change

Pump Model	A	B	C	D	E	Inlet Flange	Discharge Flange
	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches
GL 130	838 33	483 19	495 19.5	203 8	48 1.9	100 4	100 4
GL 100	737 29	483 19	495 19.5	203 8	48 1.9	100 4	100 4
GL 80	787 31	432 17	406 16	173 6.8	40 1.6	100 4	80 3
GL 60	686 27	432 17	406 16	173 6.8	40 1.6	100 4	80 3
GL 45	610 24	340 13.4	356 14	152 6	35 1.3	80 3	50 2
GL 35	533 21	340 13.4	356 14	152 6	35 1.3	80 3	50 2



Other NASH Products:

2BE4 / P2620

- Large liquid ring vacuum pumps with superior corrosion resistance
- Top discharge capability which eliminates need for trench
- Self-recirculating seal water, reducing need for external seal water source
- Capacity: 6,800 to 39,000 m³/h (4,000 to 23,000 CFM)
- Vacuum: to 160 mbar abs. (25" HgV)



TC/TCM

- Integral 2 stage liquid ring pumps with improved performance at high vacuum levels
- Designed to handle large amounts of liquid carryover without difficulty
- Capacity: 170 to 3,740 m³/h (100 to 2,240 CFM)
- Vacuum: to 27 mbar abs. (0.8" HgA)



Vectra SX

- Liquid ring vacuum pumps and compressors
- Available in monoblock or lantern design
- Water handling version for large amounts of liquid carryover
- Capacity: 35 to 260 m³/h (20 to 155 CFM)
- Vacuum: to 33 mbar abs. (29"+ HgV)



Service for Liquid Ring Pumps

We have the know-how, the experience and the specialists: We provide professional service to keep your pumps running and efficient for decades. Our Service Centers are located in:

- Australia
- Brazil
- China
- Germany
- Korea
- The Netherlands
- Singapore
- South Africa
- United Kingdom
- USA



Steam Jet Ejectors

- Sizes range from 25mm to 2 meters (1" to 78") inlets
- Capacity: 34 to 34,000 m³/h (20 to 20,000 CFM)
- Vacuum: Multi-stage system pressures as low as 0.034 mbar abs. (0.001 mm HgA)



Gardner Denver Nash has many ISO 9001 certifications.



Gardner Denver Nash has an extensive network of sales offices and representatives all over the world.

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