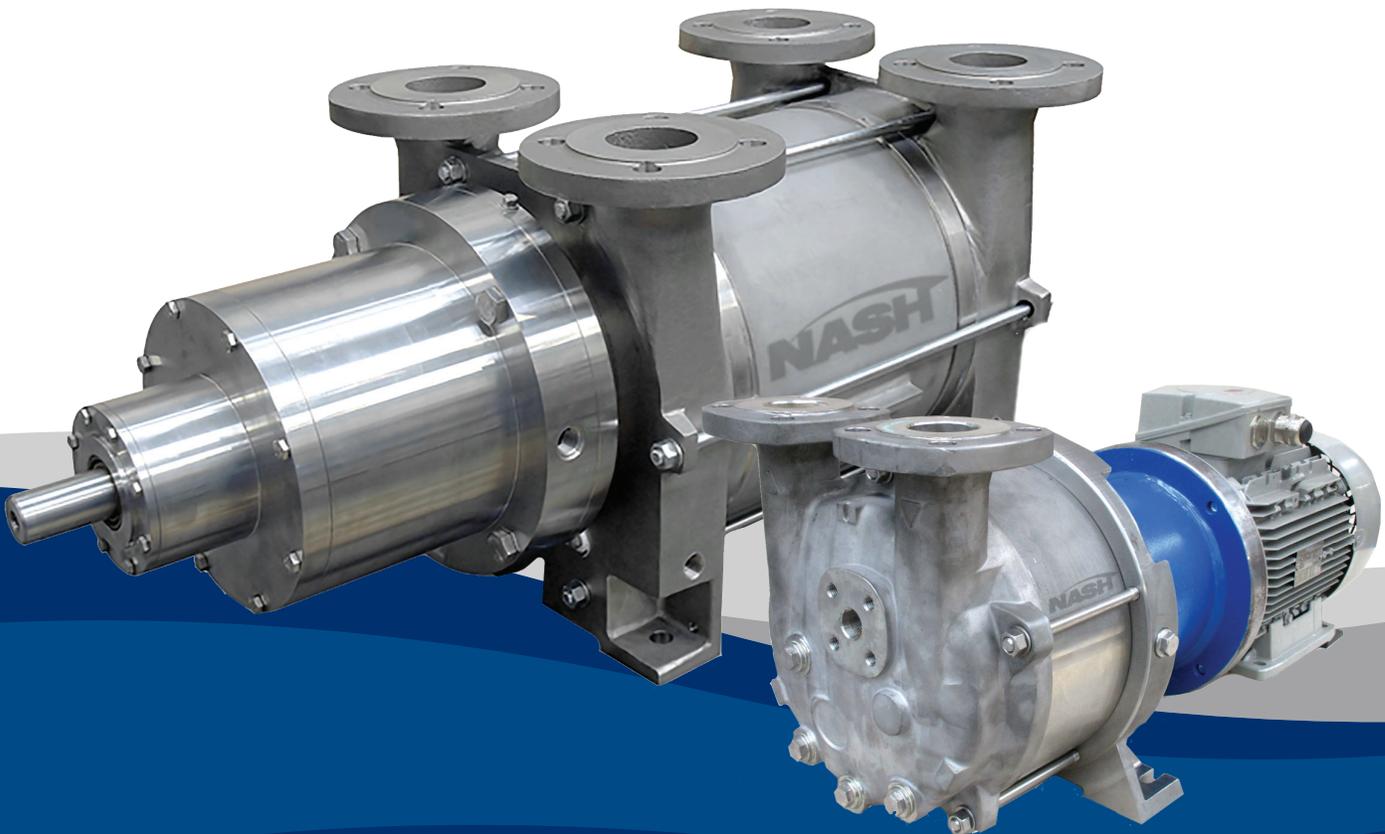


MAGNETIC DRIVEN LIQUID RING VACUUM PUMPS & COMPRESSORS

2BM SERIES MAG DRIVE



NASH® 2BM Series

Mag Drive Vacuum Pumps & Compressors

NASH Pumps are known as tireless workhorses, designed to stand up to the rigorous, non-stop demands of even the most harsh industrial environments. The NASH 2BM Series continues this tradition, with a line of magnetic driven liquid ring pumps and compressors delivering reliable, leak free performance for applications that require the highest levels of safety.

Reliable Hydraulics

Proven NASH Engineering

Based on the existing NASH 2BE1 and 2BV5 pump & compressor designs, the NASH 2BM series brings proven performance and reliability to applications that require leak free performance.

Hermetically Sealed Pump/Compressors

Safe Solution, No Leaks

Through a magnetic drive with static o-ring seals we achieve non-contact torque transmission which allows for the hermetic sealing. This eliminates any leakage, making the NASH 2BM Series an ideal solution for process applications that handle toxic or explosive gases or liquids, and applications that must comply with the strictest environmental regulation.

Minimal Wear

Minimal Maintenance

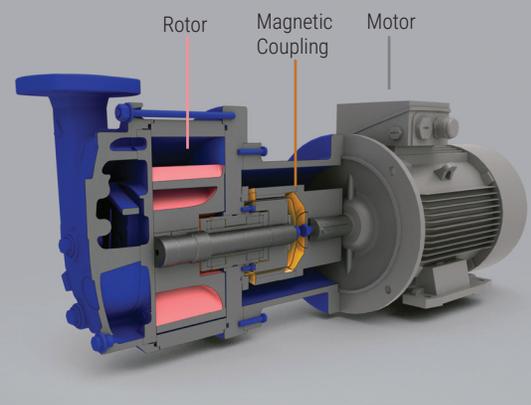
NASH 2BM Pumps & Compressors are completely enclosed and have no rotating shaft seals, eliminating wear and maintenance issues associated with mechanical seals. The pump's operating fluid is used for the lubrication and cooling of the bearings and magnetic coupling, eliminating the need for additional lubrication.

Dependable and efficient performance for a wide range of demanding applications including process industry, chemical, petrochemical, food, and other industrial applications.

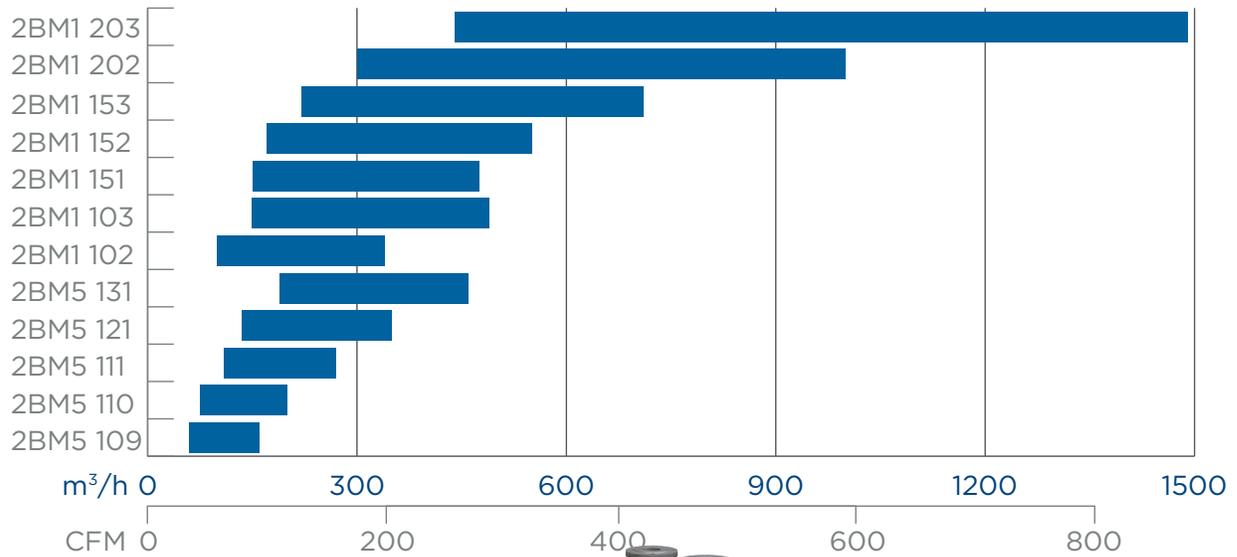
INDUSTRIES | Process Industry | Chemical & Petrochemical | Food Industry |
 APPLICATIONS | Reaction Process | Distillation | Evaporation | Solvent Recovery | Drying |
 | Toxic Gas & Liquid Handling | Explosive Gas Compression |

FEATURES	BENEFITS
SINGLE STAGE, SINGLE ACTING	Proven design, robust construction
MAGNETIC DRIVE	Hermetically Sealed for Zero leaks
STATIC O-RING SEALS	No rotating seals
NO CONTACT OF TORQUE	No wear, low maintenance
SEAL LIQUID LUBRICATED JOURNAL BEARINGS	No additional liquid required
LARGE DIFFERENTIAL PRESSURE CAPABILITY	Covers wide operating range
HIGH HYDRO TEST PRESSURE CAPABILITY	Safe inspection method

NASH 2BM5 Model Cutaway



Vacuum Performance



Specifications

2BM1



2BM5

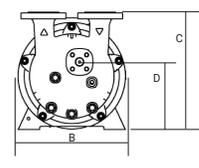
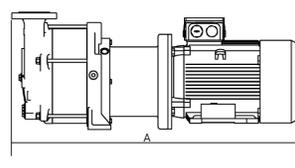
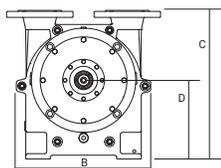
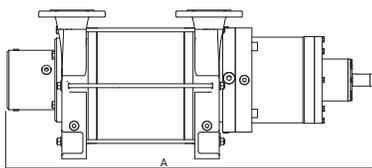


VACUUM RANGE	to 1" Hg abs. (33 mbar abs)	to 1" Hg abs. (33 mbar abs)
SEALING	Can/O-Ring	Can/O-Ring
DIFFERENTIAL PRESSURE CAPABILITY	~20.3 psi (-1.4 bar)	~18.9 psi (-1.3 bar)
COMPRESSOR PRESSURE	~5.8 psig (-1.4 bar abs.)	~21.7 psig (-2.5 bar abs.)
MATERIALS	Ductile iron, stainless steel	Ductile iron/bronze, stainless steel
CERTIFICATION	ATEX Versions Available	

Dimensions in | mm

MODEL	A	B	C	D	INLET	OUTLET
2BM1 203	47.0 1194	16.9 430	23.2 590	12.4 315	4" FLG DN 100	4" FLG DN 100
2BM1 202	42.3 1074	16.9 430	23.2 590	12.4 315	4" FLG DN 100	4" FLG DN 100
2BM1 153	41.2 1047	13.0 330	16.7 425	8.9 225	2.5" FLG DN 65	2.5" FLG DN 65
2BM1 152	38.9 987	13.0 330	16.7 425	8.9 225	2.5" FLG DN 65	2.5" FLG DN 65
2BM1 151	37.9 962	13.0 330	16.7 425	8.9 225	2.5" FLG DN 65	2.5" FLG DN 65
2BM1 103	37.0 940	8.7 220	14.0 355	7.1 180	2" FLG DN 50	2" FLG DN 50
2BM1 102	34.5 875.5	8.7 220	14.0 355	7.1 180	2" FLG DN 50	2" FLG DN 50

MODEL	A	B	C	D	INLET	OUTLET
2BM5 131	46.6 1184	17.4 441	17.0 432	10.0 254	2.5" FLG DN 65	2.5" FLG DN 65
2BM5 121	49.7 1263.5	16.7 425.0	16.1 410	9.5 242.0	2.5" FLG DN 65	2.5" FLG DN 65
2BM5 111	36.3 921.5	13.4 340	14.7 373	8.5 215	2" FLG DN 50	2" FLG DN 50
2BM5 110	35.3 897.5	13.4 340	14.7 373	8.5 215	2" FLG DN 50	2" FLG DN 50
2BM5 109	35.3 901.5	13.4 340	14.7 373	8.5 215	2" FLG DN 50	2" FLG DN 50



All dimensional and performance data approximate. Dimensions for complete product series available upon request. Length of the 2BM5 series dependent on motor used.

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® VSB Dry Screw Vacuum Pumps

The NASH® DRY-PRO® is a remarkably simple, yet sophisticated, reliable and highly efficient dry vacuum pump. NASH DRY-PRO dry vacuum pumps and systems continue this tradition, delivering proven NASH reliability, with the low maintenance requirements that industry demands.



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 and while maintaining their ability to handle large volumes at very high vacuum levels.