

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.

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

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.

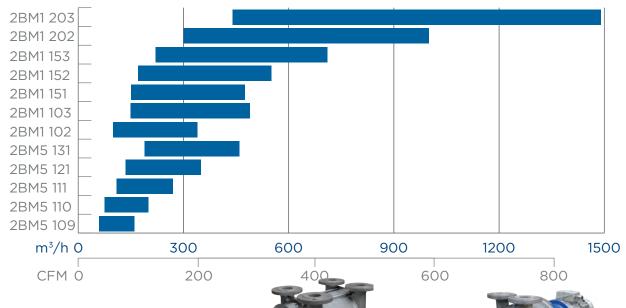
NASH 2BM5 Model Cutaway

Rotor Magnetic Motor Coupling

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 |

Vacuum Performance



Speci	ifications	

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

2BM1

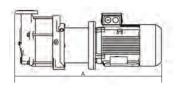
Dimensions in | mm

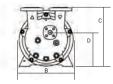
MODEL	А	В	С	D	INLET	OUTLET
2BM1 203	47.0	16.9	23.2	12.4	4" FLG	4" FLG
	1194	430	590	315	DN 100	DN 100
2BM1 202	42.3	16.9	23.2	12.4	4" FLG	4" FLG
	1074	430	590	315	DN 100	DN 100
2BM1 153	41.2	13.0	16.7	8.9	2.5" FLG	2.5" FLG
	1047	330	425	225	DN 65	DN 65
2BM1 152	38.9	13.0	16.7	8.9	2.5" FLG	2.5" FLG
	987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

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

2BM5





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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.



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