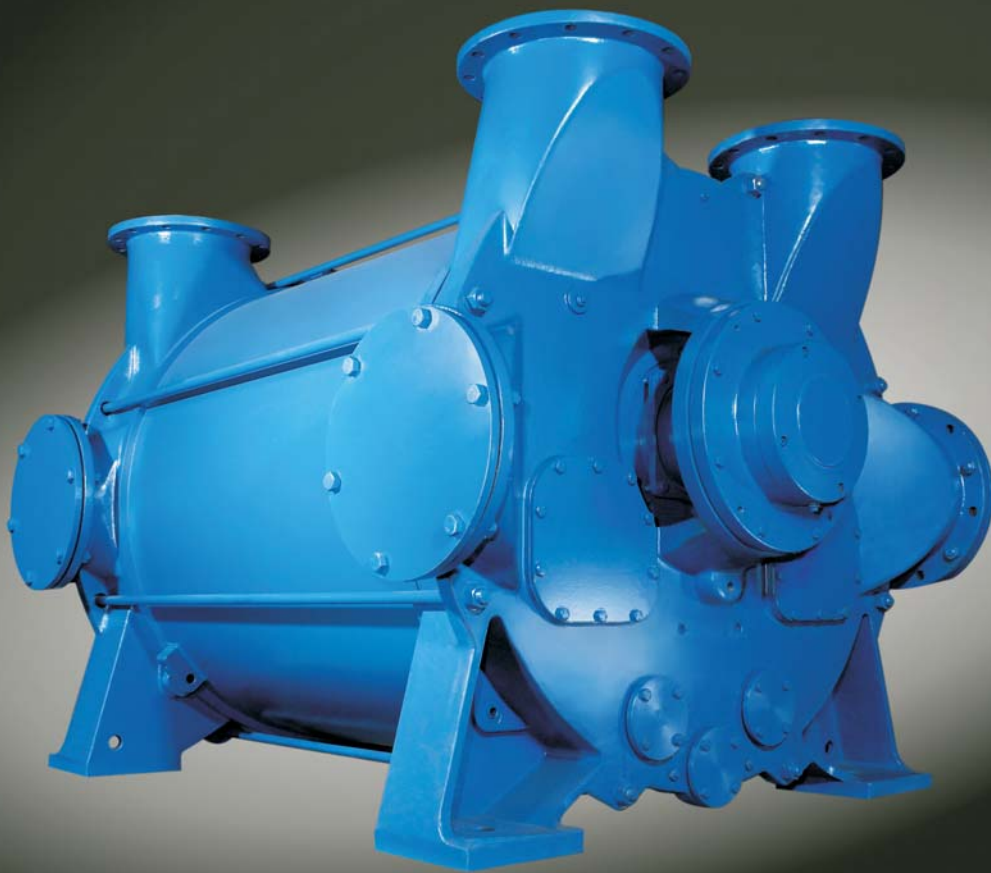




**2BE4 and P2620 Series  
Liquid Ring Vacuum Pumps and Compressors**



# NASH 2BE4 and NASH P2620 Series Liquid Ring Vacuum Pumps and Compressors

## NASH 2BE4: Reliable and Efficient

The NASH 2BE4 is an upgrade of Nash's proven 2BE3 pump series: Optimization of the shaft bearings increases pump flexibility in the event of operational malfunctions and ensures better lubrication, which extends the service life. Modifications of port plates and impeller and improvements to internal flow channeling reduce the energy requirements up to 6 to 8%. An optional connection for flushing the housing is also available, improving cleaning and increasing the service life.

Designed to operate in demanding environments like the paper, power, mining and chemical process industries, these pumps offer durability and reliability at a low cost of operation. Each model is equipped with an application-proven polyisoprene-lined body for added corrosion & erosion resistance. For more aggressive applications, stainless steel, stainless steel lining and epoxy coated components are available.

The unique inlet configuration allows for both top and side inlet arrangements to accommodate low headroom installations. In installations where space is limited, the top discharge capability of the NASH 2BE4 allows the use of a top mounted discharge separator that saves floor space and eliminates the need for a trench.

NASH 2BE4 pumps allow efficient operation over the entire vacuum range without the need to change the pump's internals. When equipped with a center shroud, split vacuum operation up to 330 millibar differential can be achieved. Large inspection ports allow easy access to pump internals for inspection and maintenance.

The NASH 2BE4 series offers capacities ranging from 2,500 to 33,000 m<sup>3</sup>/hr down to 160 mbar abs. (as a vacuum pump) and from 3,000 to 9,500 m<sup>3</sup>/h up to 2.5 bar abs. (as a compressor).

<b>Basic Specifications NASH 2BE4 and NASH P2620</b>	
Vacuum range	to 160 mbar abs. (4.7 in HgA)
Shaft seals	Stuffing box (standard), mechanical sealy single, double (on request)
Differential pressure capability	~ 1.2 bar (17.4 psi)
Compressor pressure	2.5 bar abs. (22 psig)
Suction capacity	2,500 to 39,000 m <sup>3</sup> /hr (1,500 to 23,000 CFM)
Construction materials	Ductile iron, stainless steel, combination of both materials

## NASH 2BE4 and NASH P2620: Installation Flexibility

Each NASH 2BE4 and NASH P2620 model is equipped with an application-proven polyisoprene-lined body for added corrosion & erosion resistance, as well as lower energy consumption. For more aggressive applications, stainless steel, stainless steel lining and epoxy coated components are available.

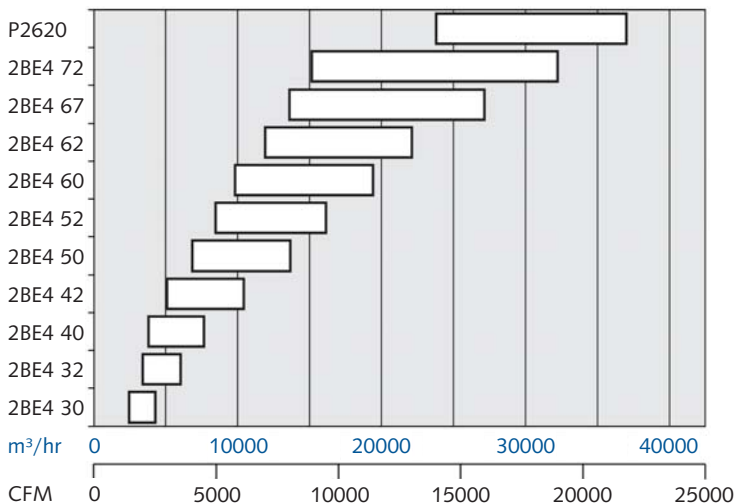
With the addition of the center partition wall (or center shroud) in the pump body, each half of the NASH 2BE4 and NASH P2620 series can operate at different vacuum levels with differential pressures up to 330 mbar between the two pump halves. The advantage of this is significant, because it allows the use of fewer vacuum pumps - which saves space and installation costs.

NASH 2BE4 and NASH P2620 series pumps are amazingly quiet during operation. Sound levels of 72 to 85 dB(A) (measured at a distance of 1 meter (3.3 ft) from the source) have been recorded for even the largest of the pump models.

<b>Features</b>	<b>Benefits</b>
Polyisoprene lined pump body	Superior corrosion resistance
Stainless steel components available	Added corrosion resistance, application flexibility
Multiple inlet & discharge configurations	Piping flexibility
Top discharge capability on 2BE4 models	Eliminates need for trench, minimizes floorspace
Self-recirculating capability on 2BE4 models	Eliminates need for a pressurized external seal water source
Center shroud: Split vacuum capability	Installation flexibility, minimizes number of pumps
Variable porting	Handles entire vacuum range without changing pump internals
Unique internal construction	Minimizes scale build-up
Large inspection ports	Easier internal inspections
Double extended shafts	Additional installation choices
100% performance tested prior to shipment	Trouble-free startup and operation
2 years warranty and over 100 years of experience	Peace of mind

# NASH 2BE4 and NASH P2620 Series World Class Design and Performance

## Performance: Suction Capacity

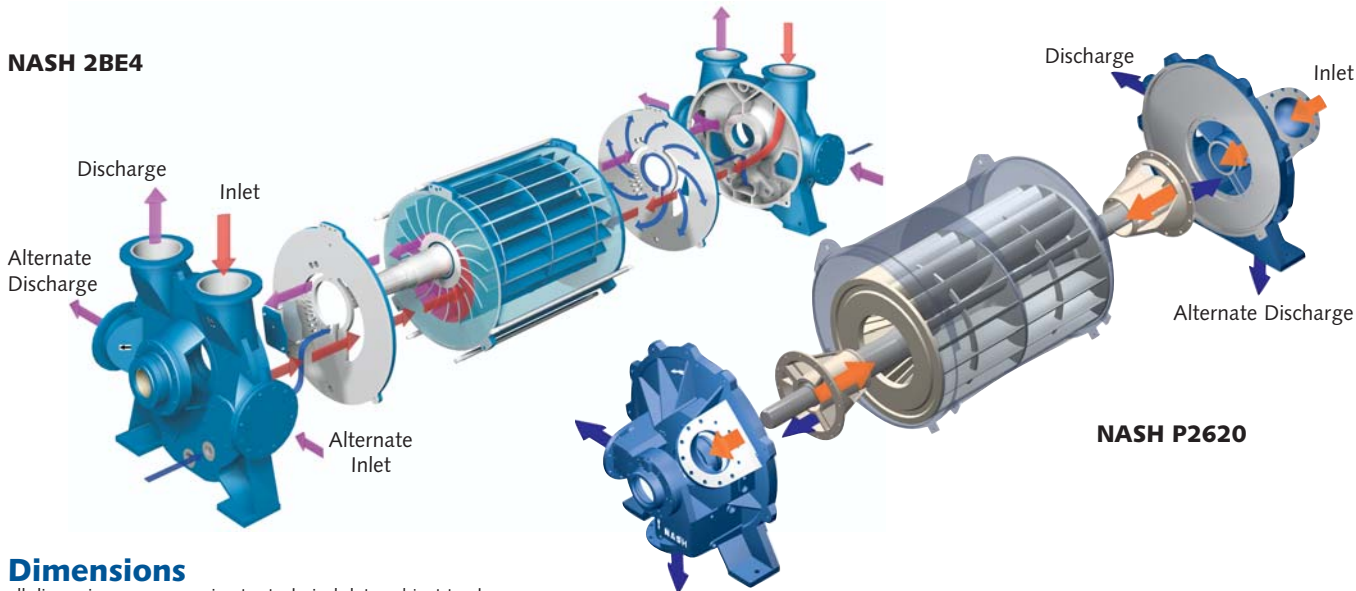


## Performance : Vacuum and Compressor Range

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



## NASH 2BE4



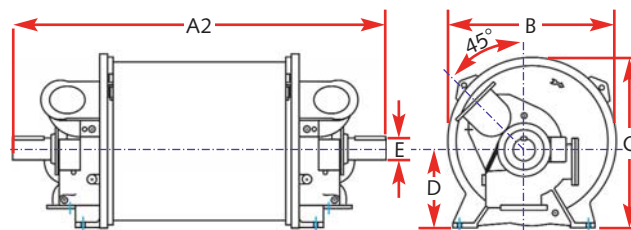
## NASH P2620

## Dimensions

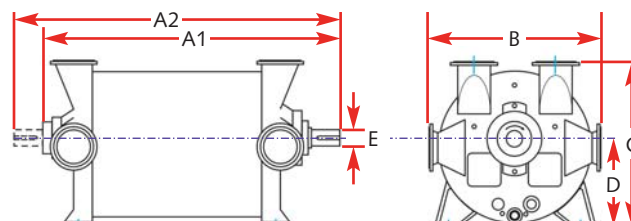
all dimensions are approximate; technical data subject to change

Pump Model	A1 mm inches	A2 mm inches	B mm inches	C mm inches	D mm inches	E mm inches	Inlet Flange mm inches	Discharge Flange mm inches
P2620		4300 169	2030 80	2005 79	900 36	250 10	400 16	350 14
2BE4 72	3589 141.3	3945 155.3	2096 82.5	1985 78.1	1062 41.8	201 7.9	400 16	400 16
2BE4 67	3388 133.4	3749 147.6	1915 75.4	1854 73.0	975 38.4	201 7.9	350 14	350 14
2BE4 62	3132 123.3	3439 135.4	1801 70.9	1722 67.8	899 35.4	180 7.1	350 14	350 14
2BE4 60	2837 111.7	3144 123.8	1801 70.9	1722 67.8	899 35.4	180 7.1	350 14	350 14
2BE4 52	2852 112.3	3162 124.5	1542 60.7	1450 57.1	775 30.5	160 6.3	300 12	300 12
2BE4 50	2604 102.5	2913 114.7	1542 60.7	1450 57.1	775 30.5	160 6.3	300 12	300 12
2BE4 42	2390 94.1	2649 104.3	1285 50.6	1161 45.7	620 24.4	130 5.1	250 10	250 10
2BE4 40	2103 82.8	2360 92.9	1285 50.6	1161 45.7	620 24.4	130 5.1	250 10	250 10
2BE4 32	1895 74.6	2108 83.0	970 38.2	904 35.6	475 18.7	110 4.3	150 6	150 6
2BE4 30	1661 65.4	1875 74.8	970 38.2	904 35.6	475 18.7	109 4.3	150 6	50 6

## NASH P2620



## NASH 2BE4



## Other NASH Products:

### 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 m<sup>3</sup>/h (100 to 2,240 CFM)
- Vacuum: to 27 mbar abs. (0.8" HgA)



### Vectra XL, GL

- Liquid ring vacuum pumps and compressors
- Available in feature rich budget designs (XL or GL)
- Designed to handle high back pressure requirements
- Capacity: 34 to 6,796 m<sup>3</sup>/h (20 to 4,000 CFM)
- Vacuum: to 33 mbar abs. (29" + HgV)



### 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 m<sup>3</sup>/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



### Compressors

- Wide range of liquid ring compressors for many applications: flare-gas, Chlorine and Vinyl Chlorine Monomer (VCM) recovery, etc.
- Handling of highly toxic, explosive and corrosive gases
- Single and two stage models available
- Capacity: 100 to 3,740 m<sup>3</sup>/h (60 to 2,200 SCFM)
- Compression: to 15 bar abs. (200 PSIG)



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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