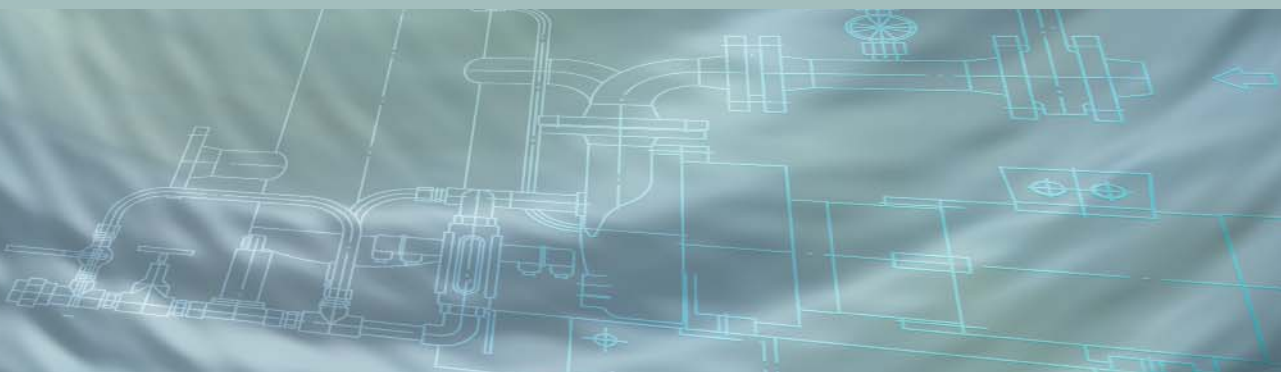


## 2BV Package Units Standardized Vacuum Systems



## Standardized Solutions:

### Package Units with 2BV Pumps



**2BU3 - Once-through Unit  
(Standard design)**

- Pre-engineered
- Plug & play
- Quick delivery
- Available in Iron & Stainless Steel

When your requirements call for a packaged system, Gardner Denver Nash has pre-engineered, assembled and piped NASH units that provide all the associated components for your application. Once-through and fully recirculated direct-driven systems are available in various sizes and in iron or stainless steel.

Once-through packaged systems are used where contamination is not an issue and the supply of seal liquid is plentiful. The benefits of these systems, both Once-through Unit and Recirculating Seal Unit are their simplicity and their lowest initial cost.



**2BW3 - Recirculating Seal Unit  
(Standard design)**

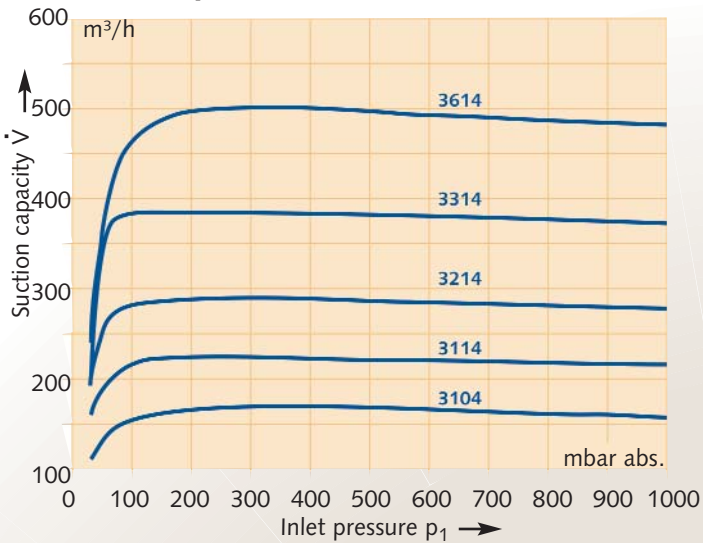
If liquids and gases are hazardous or toxic and contamination is a concern, fully recirculated packaged systems can be used. Low water consumption, the recovery of process gases, and the containing and isolation of seal liquid from non-hazardous coolant systems are just a few benefits of these fully recirculated systems.

All packaged systems carry the full Gardner Denver Nash warranty for your peace of mind.

**On the cover: 2BU3 - Once-through Unit, Option i03**

## Performance

vacuum operation 50 Hz



## Installation Dimensions

in millimeters

Unit Model	A	B	C	Gas Inlet Flange	Gas Discharge Flange	2BV-Pump Size
<i>Once-through Units</i>						
<b>2BU 3104</b>	1177	480	1035	DN50	Ø 60,3	2BV5 110
<b>2BU 3114</b>	1191	480	1045	DN50	Ø 60,3	2BV5 111
<b>2BU 3214</b>	1284	500	1097	DN65	Ø 76,1	2BV5 121
<b>2BU 3314</b>	1335	530	1140	DN65	Ø 76,1	2BV5 131
<b>2BU 3614</b>	1552	630	1300	DN80	Ø 88,9	2BV5 161
<i>Recirculating Seal Units</i>						
<b>2BW 3104</b>	1050	566	1035	DN50	Ø 60,3	2BV5 110
<b>2BW 3114</b>	1057	566	1045	DN50	Ø 60,3	2BV5 111
<b>2BW 3214</b>	1174	613	1097	DN65	Ø 76,1	2BV5 121
<b>2BW 3314</b>	1260	628	1140	DN65	Ø 76,1	2BV5 131
<b>2BW 3614</b>	1424	728	1300	DN80	Ø 88,9	2BV5 161

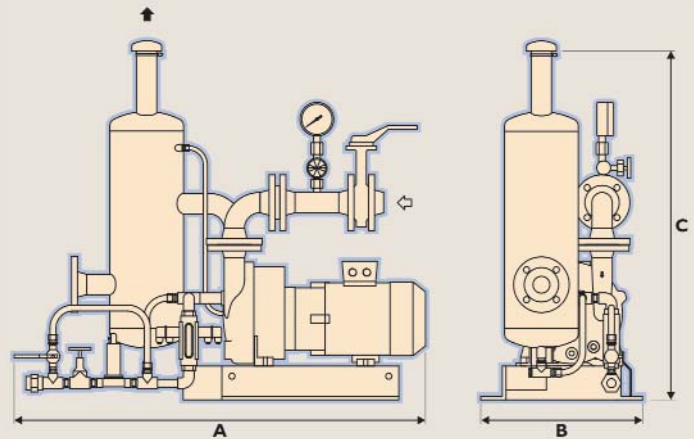
Dimensions are approximate

## Options

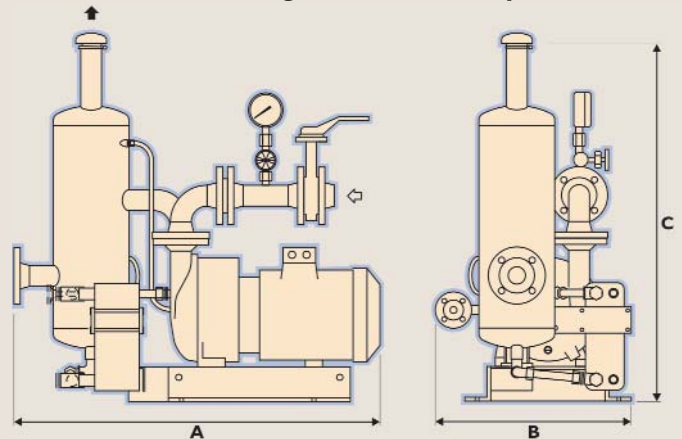
Part list for 2BU3 - Once-through Unit

Name	Standard version	Options (Enhanced design)		
		i01	i02	i03
Vacuum pump	X	X	X	X
Motor	X	X	X	X
Liquid separator	X	X	X	X
Base frame	X	X	X	X
Gate valve	X	X	X	X
Pressure gauge with shut-off valve		X	X	X
Non-return valve		X	X	X
Shut-off valve and mating flange			X	X
Flow meter			X	X
Solenoid valve and bypass				X
Flowmeter with alarm in the event of insufficient flow				X
Shut-off ball valve				X

2BU3 - Once-through Unit (with Option i03)



2BW3 - Recirculating Seal Unit (with Option i01)



Part list for 2BW3 - Recirculating Seal Unit

Name	Standard version	Option i01
Vacuum pump	X	X
Motor	X	X
Liquid separator	X	X
Heat Exchanger	X	X
Base frame	X	X
Pressure gauge with shut-off valve		X
Shut-off valve and mating flange		X
Non-return valve		X

## Other NASH Products

**2BV** Compact liquid ring vacuum pumps built for serious cost savings  
Use up to 50 percent less water than other liquid ring pumps  
Monoblock and pedestal designs available  
Capacity of 7 to 595 m<sup>3</sup>/h with vacuum to 33 mbar abs



**Vectra** Liquid ring vacuum pumps and compressors  
Available in feature rich budget designs (XL or GL)  
Designed to handle high back pressure requirements  
Capacity of 195 to 4,860 m<sup>3</sup>/h with vacuum to 31 mbar abs



**2BE3/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 of 6,800 to 39,000 m<sup>3</sup>/h with vacuum to 33 mbar abs



**TC/TCM** Integral 2 stage liquid ring pumps with improved performance at vacuum levels down to 27 mbar abs  
Designed to handle large amounts of liquid carryover without difficulty  
Capacity of 170 to 3,740 m<sup>3</sup>/h with vacuum to 27 mbar abs



**GARO Compressors** Highly rugged and reliable compressors that can handle highly toxic, explosive and corrosive gases  
Specifically developed for applications such as flare-gas, chlorine and Vinyl Chlorine Monomer (VCM) recovery  
Capacity of 100 to 3,400 m<sup>3</sup>/h with pressure to 15 bar abs  
Single and two stage models available



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