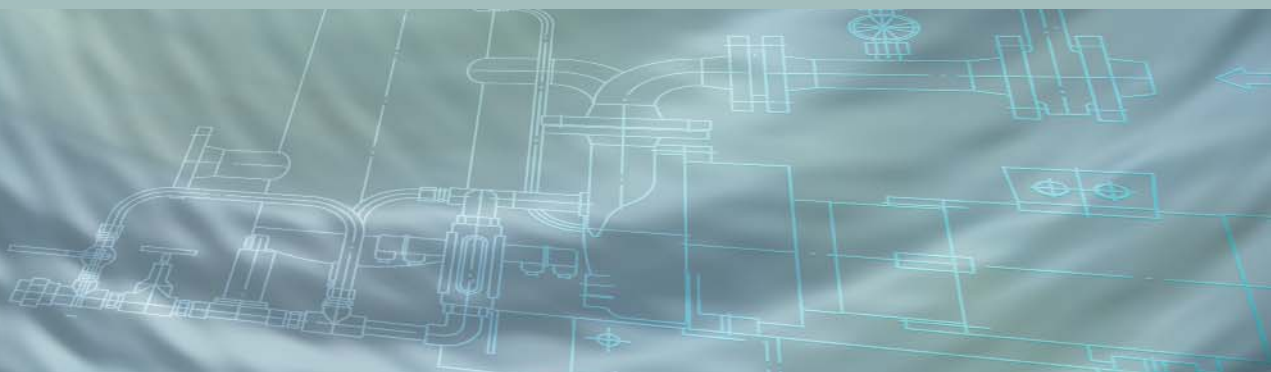


2BV Package Units Standardized Vacuum Systems



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)**

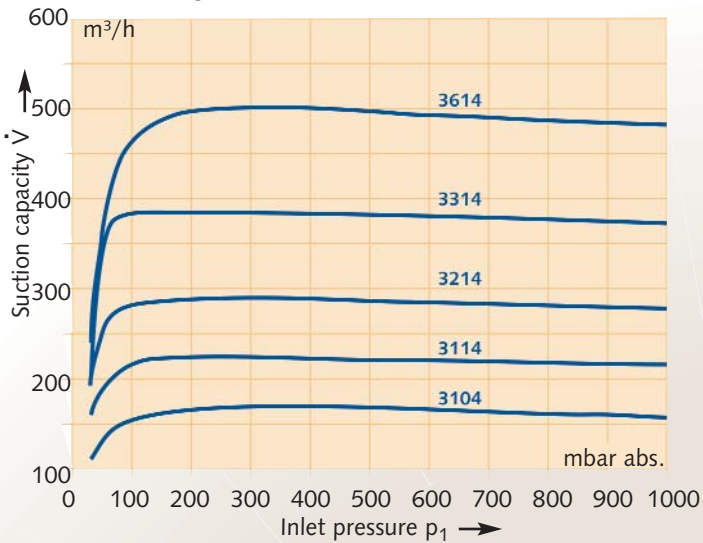
If liquids and gases are hazardous or toxic and contamination is a concern, fully recirculated packaged systems can be used. Low water consumption, the recovery of process gases, and the containing and isolation of seal liquid from non-hazardous coolant systems are just a few benefits of these fully 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>						
2BU 3104	1177	480	1035	DN50	Ø 60,3	2BV5 110
2BU 3114	1191	480	1045	DN50	Ø 60,3	2BV5 111
2BU 3214	1284	500	1097	DN65	Ø 76,1	2BV5 121
2BU 3314	1335	530	1140	DN65	Ø 76,1	2BV5 131
2BU 3614	1552	630	1300	DN80	Ø 88,9	2BV5 161
<i>Recirculating Seal Units</i>						
2BW 3104	1050	566	1035	DN50	Ø 60,3	2BV5 110
2BW 3114	1057	566	1045	DN50	Ø 60,3	2BV5 111
2BW 3214	1174	613	1097	DN65	Ø 76,1	2BV5 121
2BW 3314	1260	628	1140	DN65	Ø 76,1	2BV5 131
2BW 3614	1424	728	1300	DN80	Ø 88,9	2BV5 161

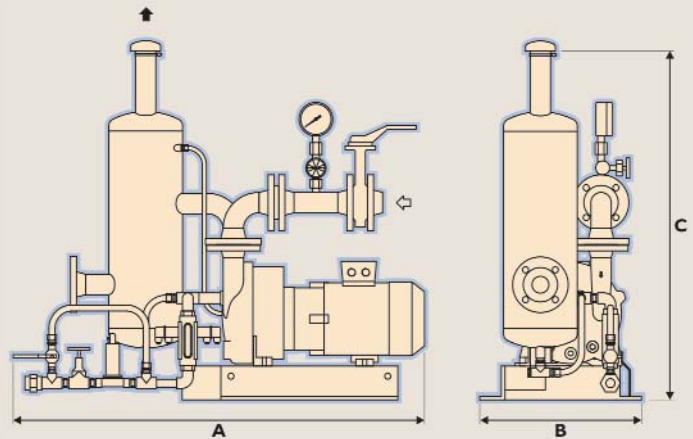
Dimensions are approximate

Options

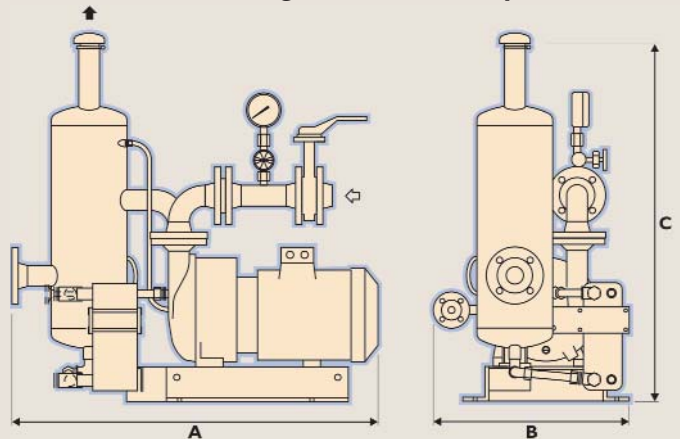
Part list for 2BU3 - Once-Through-Unit

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 m³/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 m³/h with vacuum to 31 mbar abs.



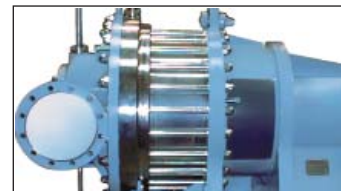
2BE3/P2620 Large liquid ring vacuum pumps with superior corrosion resistance
Top discharge capability which eliminates need for trench
Self-recirculating seal water, reducing need for external seal water source
Capacity of 6,800 to 39,000 m³/h with vacuum to 33 mbar abs.



TC/TCM Integral 2 stage liquid ring pumps with improved performance at vacuum levels down to 27 mbar
Designed to handle large amounts of liquid carryover without difficulty
Capacity of 170 to 3,740 m³/h with vacuum to 27 mbar



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 m³/h with pressure to 15 bar abs.
Single and two stage models available



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