

NASH

NASH XT Systems



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Industry Workhorses for Clean Applications

NASH liquid ring vacuum pumps produced by Gardner Denver Nash have been known for more than 100 years as tireless workhorses, designed to stand up to the rigorous, nonstop demands of industrial environments.

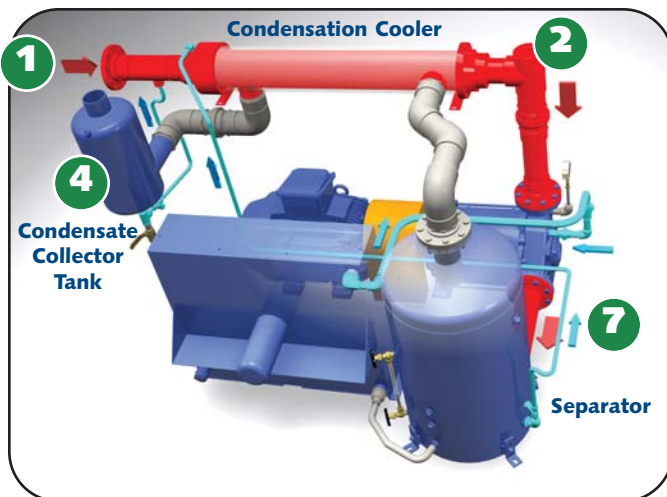
NASH Vectra vacuum pumps and compressors include technological advancements such as a patented cone design and rotor configuration. The XT Systems use the Nash pump advantages within a water-saving, self-contained system. Their capacity range is 200-1300 CFM (340-2210 m³/h).

A few of the great features to be found in these packages are:

- the use of NASH Vectra GL and XL pumps
- the recovery of the system's water vapor, so a minimal amount of seal water replenishment is needed
- no external cooling is needed
- drop in place ease of use

Designed for use in clean applications, such as medical centers, labs, paper converting, semiconductor applications, dairy and more, XT Systems give you the benefits of a liquid ring vacuum pump without the problem of providing constant seal liquid.

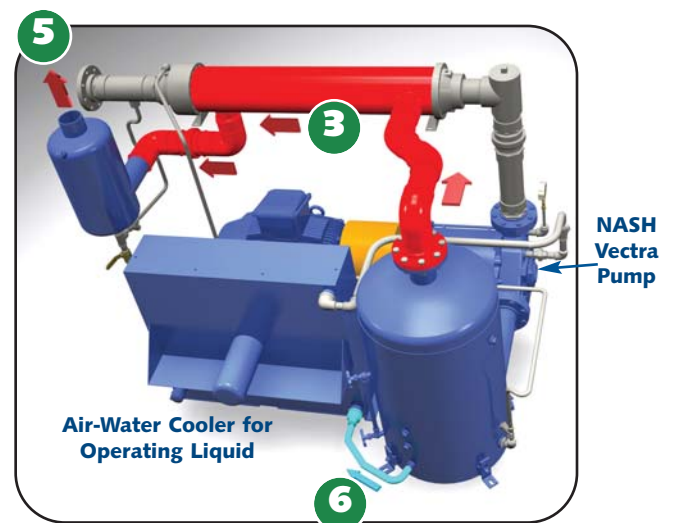
XT System Features	Benefits
Plug & play unit	Ready for operation, no foundation needed
Heavy duty design	Easily handles industrial applications
Easy service access	Maintenance ease
Low operating costs	Plant savings
Self contained unit	Can be used in remote locations
High reliability	Less downtime
Condensing capability	Little water replenishment needed
8 design options	The right package for your system
50/60 Hz motors with wide voltage range	Worldwide usability
NASH Vectra pump	Proven efficiency and reliability
Control Panel (optional)	Simple on/off, switch box control
100% performance tested	Trouble-free start-up and operation
2 year warranty	Ease of mind



- 5 Cold and relatively dry air leaves the system
- 6 The vacuum pump draws the operating seal water from the separator tank through the air/water cooler. The ambient air cools the operating liquid before it enters the vacuum pump. The water is a closed loop system and continuously recirculated
- 7 Injection lines from the collector and separator tanks spray water into the evaporation chambers. When injected, it vaporizes and cools the gas

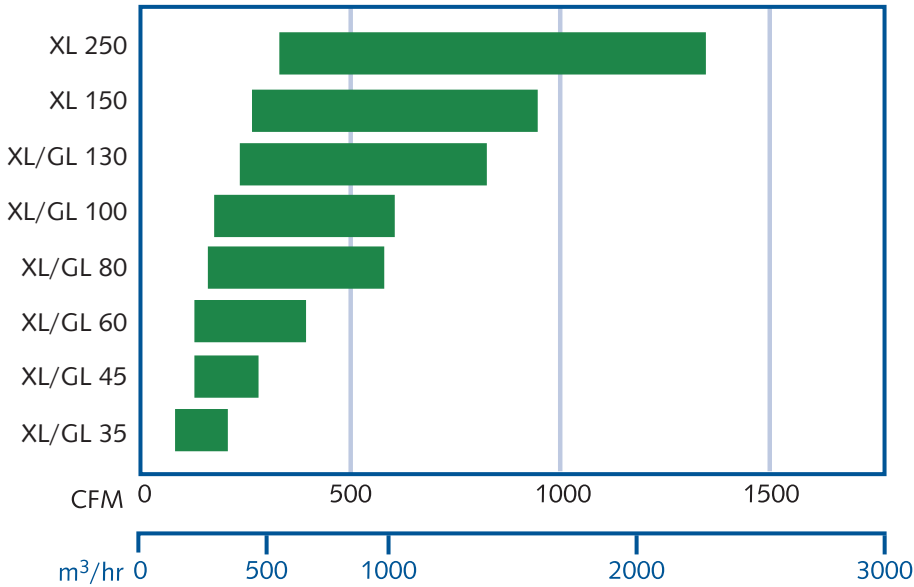
How the System Works

- 1 Gas enters from the process
- 2 The inlet gas flows into the condensation cooler and passes through the tubes
- 3 The discharge gas mixture, with water vapor from the separator, flows in the opposite direction - on the outside of the condenser tubes
- 4 As the gas cools, water condenses and is collected in the tank



Self Contained Vacuum Systems

Performance



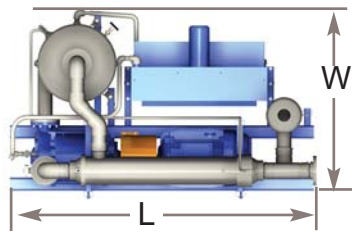
About the XT Systems

An XT System consists of a NASH Vectra liquid ring vacuum pump, motor, coupling drive, base, separator/storage tank, air-cooled heat exchanger, shell and tube after condenser, condensate collector tank, inlet spray nozzles and accessories. Optional items include a control panel and a variable frequency drive.

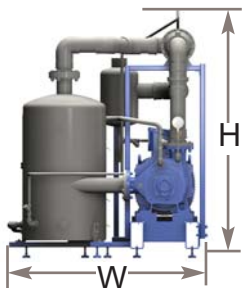
The condensate being produced by the after-cooler is returned to the liquid ring pump for use as its operating liquid. This results in a nearly complete elimination of the need to replenish the liquid. In addition, the package is easily integrated into your clean-in-place system.

If you have limited water supply or want to reduce your water consumption; want a drop-in system; or want a package that can move around with you, an XT System is the right choice for you.

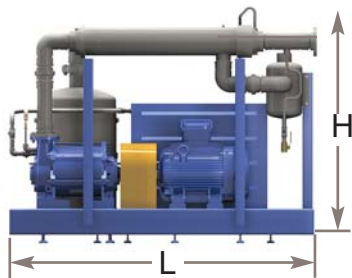
Dimensions - in (mm)



Top View



Side View



Front View

Pump Model	W	H	L	FLG1	NPT2
XTG 35	51	46	93.6	4	4
XTG 45	1295	1169	2376	102	102
XTX 35	51	46	98	4	4
XTX 45	1295	1169	2487	102	102
XTG/XTX 60	53	56	103	4	4
XTG/XTX 80	1342	1424	2616	102	102
XTG 100	61	71	103	4	4
XTG 130	1550	1801	2616	102	102
XTX 100	61	71	108	4	4
XTX 130	1550	1801	2732	102	102
XTX 150	67.6	75	159	4	6
	1718	1908	4029	102	152
XTX 250	70	88	168	4	6
	1780	2244	4265	102	152

All dimensions are approximate

FLG1 = flange size at after condenser tubes inlet

NPT2 = FNPT connection at collector tank discharge

Other NASH Products

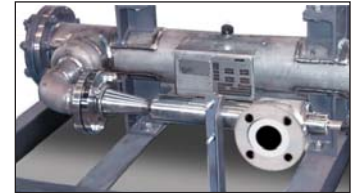
TC/TCM

Integral 2 stage liquid ring pumps with improved performance at vacuum levels down to 0.8" HgA (27 mbar)
Designed to handle large amounts of liquid carryover without difficulty
Capacity of 100 to 2,240 CFM with vacuum to 0.8" HgA
Capacity of 170 to 3,740 m³/h with vacuum to 27 mbar abs



Steam Jet Ejectors

Sizes range from one-inch (25mm) to 78-inch (2 meters) inlets
Capacities range from 20 to 20,000 CFM
Capacities range from 34 to 34,000 m³/h
Multi-stage system pressures as low as 0.001 mm HgA



2BE4/P2620

Large liquid ring vacuum pumps with superior corrosion resistance
Top discharge capability which saves space
Self-recirculating seal water, reducing need for external seal water source
Capacity of 4,000 to 23,000 CFM with vacuum to 24" HgV
Capacity of 6,800 to 39,000 m³/h with vacuum to 200 mbar abs



Service

We have the know-how, the expertise and the specialists. We provide professional service to make your pumps run for decades. Our service centers are located in:

- Australia
- Brazil
- China
- Germany
- Korea
- Netherlands
- Singapore
- South Africa
- UK
- USA



Compressors

Wide range of liquid ring compressors designed for many applications. Rugged and reliable, they can handle highly toxic, explosive and corrosive gases
Specifically developed for applications such as flare-gas, Chlorine and Vinyl Chloride Monomer (VCM) recovery
Capacity of 60 to 2,200 SCFM with pressure to 200 PSIG
Capacity of 100 to 3,740 m³/h with pressure to 15 bar abs
Single and two stage models available



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