

# NVX Series

Single Stage, Port Plate, Vari-Port Liquid Ring Vacuum Pumps

Models: NVX-1007



**Description:** Single Stage Port Plate Vari-Port Liquid Ring Vacuum Pumps

**Models:** NVX-1007

**Power Range:** 40 HP

**Capacity Range:** 590 CFM

**Max Vacuum:** 27.5" HgV

## OVERVIEW

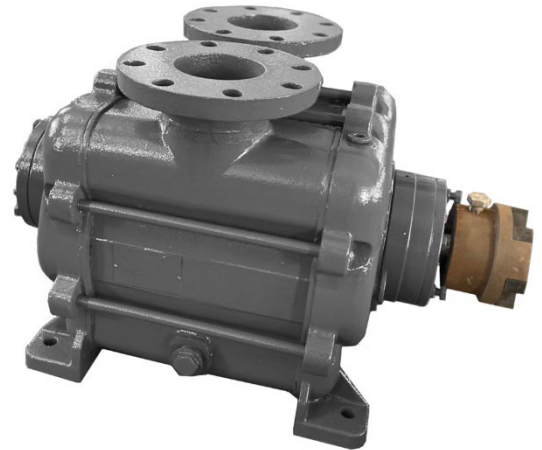
NES NVX Series single-stage liquid ring vacuum pumps are bolt-in replacements for Travaini TRVX models. With capacities up to 590 CFM, these cast-iron vacuum pumps handle vapors, saturated gases, and carryover with ease. Ideal for chemical, pharmaceutical, power, and environmental applications requiring dependable vacuum performance.

## DESCRIPTION

The NES NVX Series Liquid Ring Vacuum Pumps are single-stage, cast iron units engineered for demanding applications involving saturated gases, vapors, and liquid carryover. Designed as bolt-in replacements for the Travaini TRVX Series, the NVX pumps match key connection dimensions and performance metrics for simple system integration. With a reliable maximum vacuum level of 27.5"HgV, the NVX Series delivers consistent performance in continuous-duty operation.

## FEATURES

- Bolt-in replacement for Travaini® TRVX Series.
- Standard construction is cast iron with mechanical seals.
- Optional 304 or 316 Stainless Steel construction.
- Optional factory-installed mechanical seals
- Parts and repair kits available to fit TRVX Series.
- Available in bare pump, direct drive, or V-belt systems.
- Factory tested for performance with 1-year factory warranty against manufacturer's defects.



## NOTES

NES Company Inc. designs and tests all NVX pumps to ensure compatibility and dependable field performance. These units offer a practical alternative to Travaini TRVX models with simplified installation and competitive efficiency. NES Company Inc. is not affiliated, associated, authorized by, endorsed by, or officially connected with Travaini®.

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**GENERAL TECHNICAL DATA**

**Vacuum Pump**

Model	Rated RPM	Rated Motor Power HP	Average Seal Fluid Flow USGPM	Noise Level at 24”HgV dBA	Minimum Suction Pressure ”HgV
NVX-1007	1750	40	11	73	27.5

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Variation Table

Variations	Particulars
Metallurgy	Standard Cast Iron
	Stainless Steel 304
	Stainless Steel 316L
Direction	Clockwise
	Counter- Clockwise Rotation
Purpose	Vacuum Pump
Sealing	Standard Mechanical Seal
	Available with Packing
	Available with Dual Mechanical Seal
Configuration	Once Through
	Partial Recovery
	Full Sealant Recovery
Other System Configuration	Simplex
	Duplex
	Triplex
	Quadruplex

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Vacuum pump Length, Height, Breadth, Keyway, Shaft diameter

Model	Length [mm.]	Height [mm.]	Width [mm.]	Keyway [mm.]	Shaft diameter [mm.]
NVX-1007	645	430	*	*	48
TRVX-1007	642	430	460	14	51.5

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**Application table**

Applications
Chemical Processing
Pharmaceutical
Food and Beverage
Power Generation
Pulp and Paper
Drying
Evaporation
Distillation
Filtration
Condenser Air Extraction

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## Material Construction Table

\*NES is able to offer matching metallurgy as those of Travaini® upon request. F is standard.

Description	F	RX	RA	A3
Suction casing	Cast Iron			Stainless Steel AISI 316
Discharge casing				
Impeller housing				
Shaft	Stainless Steel AISI 420		Stainless Steel AISI 316	
Bearing housing	Cast Iron			
Impeller	Ductile Iron	Stainless Steel AISI 304	Stainless Steel AISI 316	