

# NX Series

## Liquid Ring Vacuum Pumps

Models: NX-35,45,60,80,100,130,250, 350 and 500



**Description:** Single-Stage Liquid Ring Vacuum Pump

**Type:** Single Cone

**Models:** NX-35, 45, 60, 80, 100, 130, 250, 350, and 500

**Power Range:** 7.5 - 200 HP

**Capacity Range:** 115 - 3000 CFM

**Max Vacuum:** 28" Hg

### OVERVIEW

Our NX Series are designed as drop-in replacements for the Nash\* classic XL/GL series vacuum pumps, designed to have only one moving part to induce maximum mechanical stability and reliability. This single cone liquid ring vacuum pump is suited to deliver vacuum at maximum capacity in tough conditions with liquid carryover and particulate slugs. We offer version with capacities ranging from 115-3000 CFM.

### CONSTRUCTION

Available in NX- 35, 45, 60, 80, 100, 130, 150, 250, 350 & 500 (up to 3000 CFM). Standard construction is Stainless steel with Teflon packing. NES provides Stainless Steel Single Cone Liquid Ring vacuum pumps that are factory performance tested and include a 2-year warranty.

### FEATURES

- **Drop-in replacement** for Nash\* XL/GL series
- Standard construction is robust **Stainless Steel** with Teflon Packing.
- Optional 304 or 316 **Stainless Steel construction**. Cast Iron construction available for models 35 – 130.
- Optional factory installed **mechanical seals**.
- **Parts and repair kits available** to fit Nash\* XL/GL Series
- Available in bare pump, direct drive or V-belt systems.
- **2-year factory warranty** against manufacturer's defects.



### NOTES

These pumps have been designed to be drop-in replacements for classic Nash\* XL/GL Series pumps. NES NX Series liquid ring vacuum pumps are factory performance tested and include a 2-year warranty against manufacturing defects.

## NX Series

## Liquid Rina Vacuum Pumps

Models: NX-35,45,60,80,100,130,250, 350 and 500



## GENERAL TECHNICAL DATA

# NX Series

## Liquid Ring Vacuum Pumps

Models: NX-35,45,60,80,100,130,250, 350 and 500



### Variation Table

<b>Variation Table</b>		<b>Particulars</b>
Metallurgy	Standard SS: ACI CF 3M	
	Stainless Steel 304	
	Stainless Steel 316L	
	Ductile Iron	
	Bronze	
Direction	Clockwise Rotation	
Purpose	Vacuum Pump	
	Compressor	
Sealing	Standard Available as Gland Packing	
	Available with Single Seal	
	Available with Single Cartridge Seal	
	Available with Dual Cartridge Seal and Seal Pot	
Configuration	Once Through	
	Partial Recovery	
	Full Sealant Recovery	
Other System Configuration	Simplex	
	Duplex	
	Triplex	
	Quadruplex	

# NX Series

## Liquid Ring Vacuum Pumps

Models: NX-35,45,60,80,100,130,250, 350 and 500



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

Model	Length (Inches)	Height (Inches)	Breadth (Inches)	Keyway (Inches)	Shaft diameter (Inches)
<b>NX - 35</b>	35	13.4	14	0.4724 X 0.197	1.6543
<b>NX - 45</b>	33	13.4	14	0.4724 X 0.197	1.6543
<b>NX - 60</b>	36	17	16	0.551 X 0.218	1.8905
<b>NX - 80</b>	39	17	16	0.551 X 0.218	1.8905
<b>NX - 100</b>	42	19	20	0.709 X 0.276	2.3634
<b>NX - 130</b>	46	19	20	0.709 X 0.276	2.3634
<b>NX - 250</b>	55	26	25	0.866 X 0.354	3.1496
<b>NX - 350</b>	64	29	31	0.866 X 0.354	3.3465
<b>NX - 500</b>	81	39	41	0.984 X 0.354	3.7402

### Application table

Variation	Applications
High Vacuum	Central Vacuum Systems
	De-aeration
	Drying
	Evaporating
	Autoclaves
	Evaporating
	Priming
	Forming
	Fiber Setting
	Gas Stripping
	Molding
	Power Plants
	Container Filling
Water Handling	Filtering
	Extruder Venting
	Eviscerating
	Foods & Fats

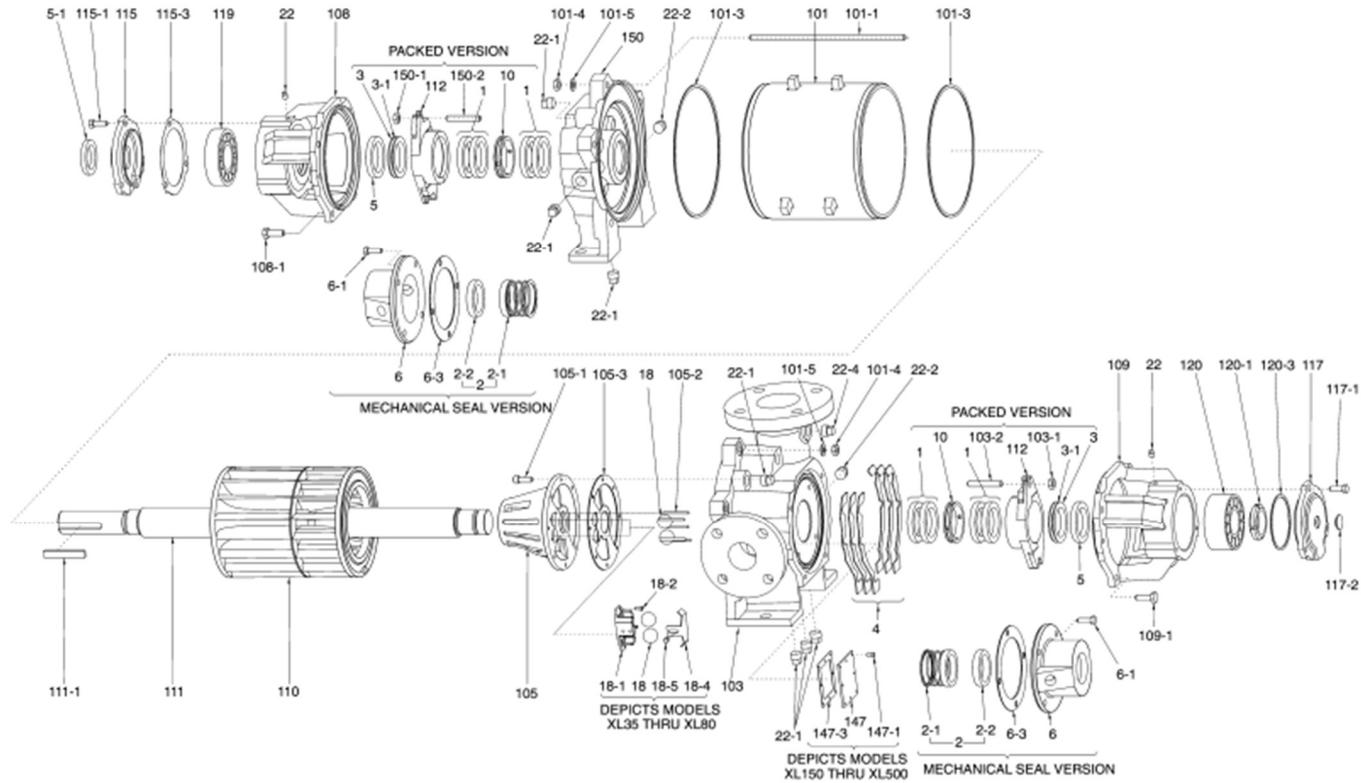
# NX Series

## Liquid Ring Vacuum Pumps

Models: NX-35,45,60,80,100,130,250, 350 and 500



### Exploded View



# NX Series

## Liquid Ring Vacuum Pumps

Models: NX-35,45,60,80,100,130,250, 350 and 500



### Material Details

Index No	Description	Quantity	Index No	Description	Quantity
1	*Packing	4	105 - 1	Bolt, I.E. Cone	20
2	*Seal Assembly	2	105 - 2	Studs	AR
3	Slinger	2	105 - 3	*Gasket, I.E. Cone	1
3 - 1	Spring	2	108	Bearing Bracket, D.E.	1
4	*Shim	AR	108 - 1	Bearing Bracket Bolt, D.E.	4
5	*Lip Seal	2	109	Bearing Bracket, I.E.	1
5 - 1	*Lip Seal, D.E.,Outer	1	109 - 1	Bearing Bracket Bolt, I.E.	4
6	Retainer Seal	2	110	Rotor	1
6 - 1	Retainer Seal Bolt	8	111	Shaft	1
6 - 3	Retainer Seal Gasket	2	111 - 1	Shaft Key	1
10	Lantern Gland	2	112	Gland	2
18	Check Valve Ball	2	115	Cap, Outer D.E.	1
18 - 1	Check Valve Ball Retainer	1	115 - 1	Bolts, D.E. Outer Bearing Cap	3
18 - 2	Retainer Screw	2	115 - 3	*Gasket, D.E. Outer Bearing Cap	1
18 - 4	Stop Plate	1	117	Cap, Outer I.E.	1
18 - 5	Stop Plate Screw	1	117 - 1	Bolts, I.E. Outer Bearing Cap	3
22	Pipe Plugs	2	117 - 2	Cap, Inner D.E.	1
22 - 1	Pipe Plugs	7	117 - 3	*Gasket, I.E. Outer Bearing Cap	1
22 - 2	Pipe Plugs	2	119	*Bearing, D.E	1
22 - 4	Pipe Plugs	1	120	*Bearing, I.E.	1
101	Body	1	120 - 1	*Locknut, I.E. Bearing	1
101 - 2	Axial Rod	5	120 - 3	*Lockwasher, I.E. Bearing	1
101 - 3	*Gasket	2	147	Cover Plate	1
101 - 4	Rod Nuts	AR	147 - 1	Cover Plate Screw	6
101 - 5	Rod Washers	AR	147 - 3	Cover Plate Gasket	1
103	Head, I.E.	1	150	End Plate	1
103 - 1	Gland Nut, I.E.	2	150 - 1	Gland Nut, D.E.	2
103 - 2	Gland Stud, I.E.	2	150 - 2	Gland Stud, D.E.	2
105	Cone, I.E.	1			

\*Recommended Spare Parts.

AR - As Required.

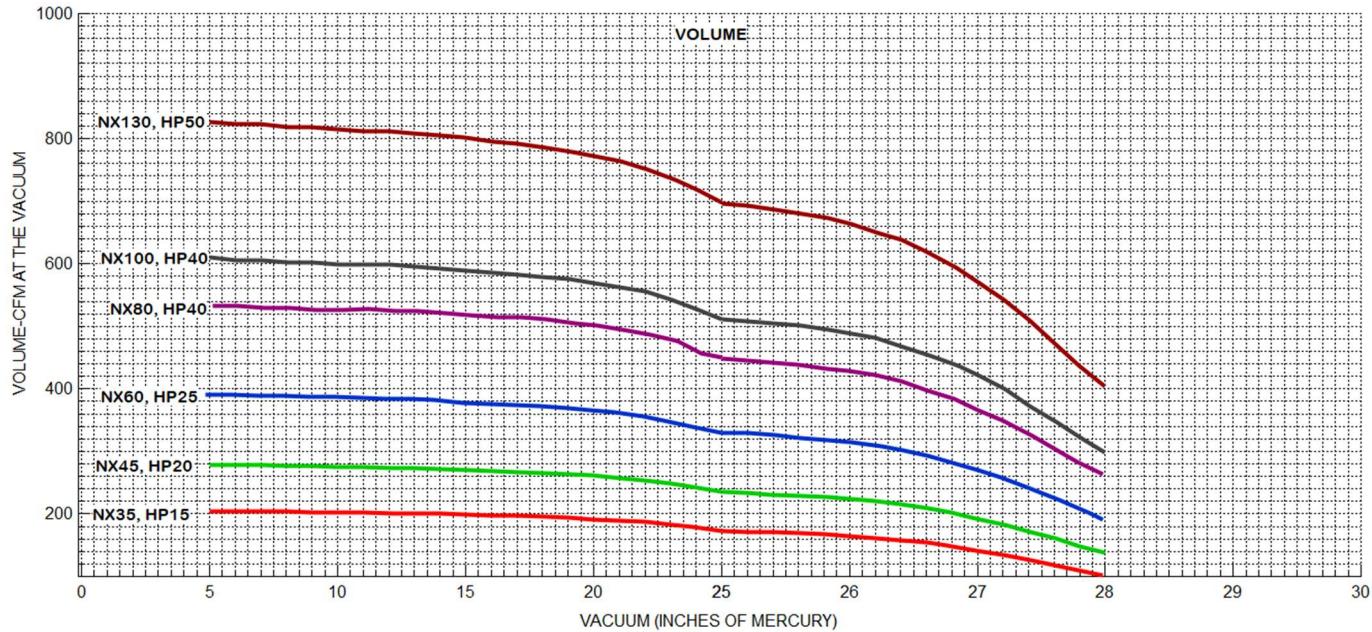
# NX Series

## Liquid Ring Vacuum Pumps

Models: NX-35,45,60,80,100,130,250, 350 and 500



### Composite Curve NX35, NX45, NX60, NX80, NX100, NX130



# NX Series

## Liquid Ring Vacuum Pumps

Models: NX-35,45,60,80,100,130,250, 350 and 500



### Composite Curve NX250, NX350, NX500

