SINGLE STAGE DUAL CONE LIQUID RING VACUUM PUMP

NP SERIES

Pumps. Systems. Service. Support. — One Source.

SINGLE STAGE DUAL CONE LIQUID RING VACUUM PUMP

MODELS: NP2160, NP2200, NP2280, NP2620



Bolt-in replacement for NASH Premier Series vacuum pumps — built for high-velocity flow at rough vacuum and large capacity.

— FIT

Bolt-in replacement for NASH Premier Series; parts and repair kits available.

— MATERIALS

Standard cast iron / stainless steel cladding; optional 304 or 316 stainless steel.

— CONFIGURATION

Bare pump, direct drive, or V-belt systems; optional factory-installed mechanical seals.

— WARRANTY

2-year factory warranty against manufacturing defects.

Built for high-velocity flow. Ready for unexpected liquid carryover.

Our NP series liquid ring vacuum pump is manufactured to be a bolt-in replacement for the NASH Premier Series vacuum pumps. This series is a perfect match for those who are looking for a bolt-in replacement for their NASH Premier Series vacuum pump or an upgrade from their previous single stage liquid ring vacuum pump. NP Series vacuum pumps are factory-tested and are offered with a 2-year warranty against manufacturing defects.

CAPACITY RANGE	POWER RANGE	MAX VACUUM	MODELS
4,050–22,400	160–1160 HP	24.5" Hg	4 Models
CFM capacity range	Motor power range	Maximum vacuum	NP2160 through NP2620

Overview / Features / Notes

SPECIFICATION SUMMARY

Description	NP Series Single Stage Liquid Ring Vacuum Pump.
Type	Single Stage, Dual Cone
Models	NP2160, NP2200, NP2280, NP2620
Power Range	160–1160 HP
Capacity Range	4,050–22,400 CFM
Max Vacuum	24.5" Hg

CONSTRUCTION

The NP series liquid ring vacuum pump is constructed in standard cast iron with optional stainless-steel metallurgy available. Mechanical seals, repair kits, and spare parts are readily available as well. From 4050-22400 CFM and 160-1160HP, this line of vacuum pump is suitable for working conditions of high-velocity flow, unexpected liquid carryover, and high-capacity applications.

FEATURES

- **Bolt-in replacement for NASH Premier Series**
- **Standard construction is Cast iron / Stainless Steel Cladding**
- **Optional 304 or 316 Stainless Steel construction.**
- **Optional factory installed mechanical seals.**
- **Parts and repair kits available.**
- **Available in bare pump, direct drive or V-belt systems.**
- **2-year factory warranty against manufacturing defects.**

NOTES

NES Company Inc. is proud to offer our NP Series high performance vacuum pumps. The NP Series vacuum pumps are built for high-velocity flow at rough vacuum and large capacity. The NP Series spans a wide range of uses, from 4050 to 22400 CFM at a constant ultimate vacuum level of 24.5'' Hg from 160 to 1160 HP. For bolt-in replacement of NASH Classic Premier 2000 vacuum pump or when searching for a new vacuum pump that is the same quality with competitive pricing, NES Company Inc. offers the NP Series vacuum pumps.

FULL TECHNICAL DATA

The following pages cover vacuum pump technical data, the variation table, pump weights and applications, and the exploded view. **Contact NES** at info@nescompany.com or 800-297-3550 for application support.

Technical Data / Performance by Model

VACUUM PUMP — TECHNICAL DATA

Series Name	Replaces Nash Premier	Motor Power [HP]	CFM @ 15'' Hg	Max Operating Vacuum ['']HgV]	Inlet [Inch]	Outlet [Inch]	Seal Water Usage [GPM]	Seal Water Connection Size [Inch]
NP 2160	2160	160 – 360	4050 - 6950	24.5	10 FL	8 FL	106	1 ½ NPT
NP 2200	2200	220 - 560	5000 – 9000	24.5	10 FL	8 FL	114	1 ½ NPT
NP 2280	2280	280 – 560	6900 – 11180	24.5	12 FL	10 FL	120	2 NPT
NP 2620	2620	600 – 1160	14450 – 22400	24	16 FL	14 FL	190	3 NPT

Variation / Options

VARIATION TABLE

Variations Table	Particulars
Metallurgy	Standard Cast Iron
	Stainless Steel 304 cladded
	Stainless Steel 316L cladded
Direction	Clockwise
	Counter-Clockwise Rotation
Purpose	Vacuum Pump
Shaft	Single extended
	Double extended
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

Weight / Applications

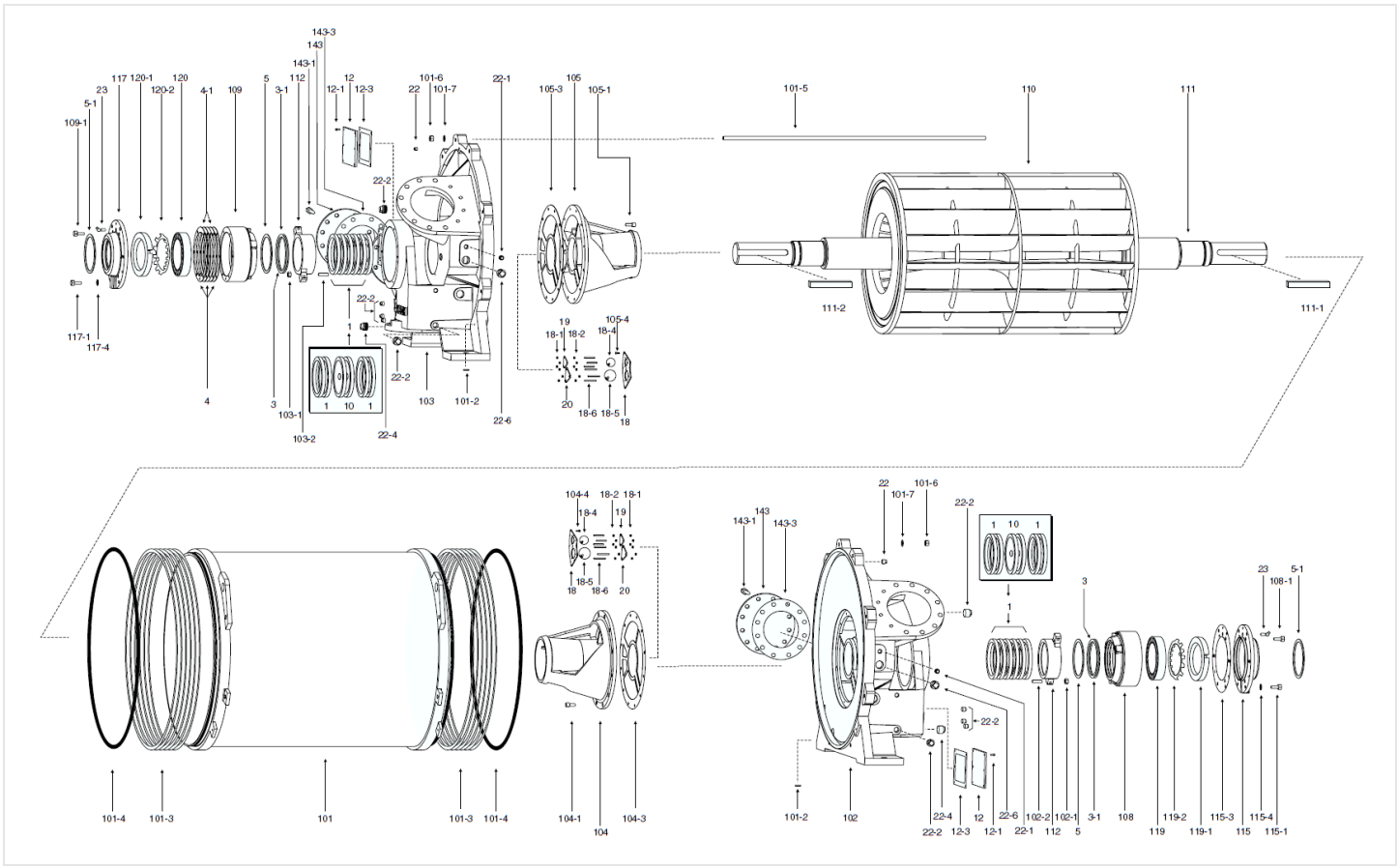
VACUUM PUMP WEIGHT

Model	Pump Weight Dry — Iron (Lbs)	Pump Weight Dry — St. Steel (Lbs)
NP 2160	7430	-
NP 2200	8200	-
NP 2280	14740	-
NP 2620	34100	36800

APPLICATION TABLE

Applications
Pulp and Paper Processing
Power Generation
Chemical Processing
Petrochemical Processing

Exploded View / Reference Drawing



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