

NHF Series

Liquid Ring Vacuum Pumps

Models: NHF-50, NHF 75, NHF 80 and NHF 120



OVERVIEW

The NES NHF Series high-efficiency close-coupled liquid ring vacuum pumps offer outstanding performance, delivering up to 40% more capacity per horsepower. These state-of-the-art vacuum pumps, ranging from 50 to 120 CFM, feature high-efficiency 3-7.5 HP IEC frame motors, ensuring optimal operation. Engineered with compatibility in mind, they are designed to seamlessly replace Nash classic AHF and MHF series pumps, offering a versatile solution for various applications.

UNIQUE FEATURES

- Generates up to **40% more capacity per horsepower** that offers enhanced performance and efficiency.
- **Compact design** reduces size that minimizes costs, making them a cost-effective solution for various applications.
- **Constructed from durable materials**, like standard cast iron construction with a stainless steel impeller, ensuring durability and resistance to corrosion.
- **Optional construction of 304 or 316 stainless steel** is available for added durability in demanding environments.
- Equipped with a **standard single Viton mechanical seal** which ensures reliable sealing performance.
- Backed by a **1-year warranty against manufacturer's defects**, our vacuum pumps provide assurance of quality and reliability.

BASIC SPECIFICATION

MODELS	NHF-50, 75, 80 and 120
POWER RANGE	3 HP to 7.5 HP
CAPACITY RANGE	50 CFM to 120 CFM
MAX VACUUM LEVEL	27.5" Hg
MOC	Cast iron/stainless steel 304/stainless steel 316



COMMON APPLICATION

Our NES NHF pumps find widespread application in Autoclaves, Chucking, Container filling, Forming, Cooking, Drying, Evaporating, Eviscerating, Exhausting, Extruder, Venting and Fiber setting. Its enduring presence underscores its reliability and adaptability to meet the demanding needs of modern industrial processes.

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GENERAL PERFORMANCE PARAMETERS

Series Name	Replaces Nash	Motor Power [HP]	Max CFM	Vacuum @ Max CFM [\"HgV]	Max Operating Vacuum [\"HgV]	Inlet [Inch]	Outlet [Inch]	Seal Water Usage [GPM]	Seal Water Connection Size [Inch]
NHF-50	AHF-50 MHF-50	3	50	17	23	2 NPT	2 NPT	1.5	1/2 NPT
NHF-75	AHF-75 MHF-75	5	70	17	23	2 ³ / ₈ NPT	2 ³ / ₈ NPT	3	1/2 NPT
NHF-80	AHF-80 MHF-80	5	72	9	24	2 NPT	2 NPT	2	1/2 NPT
NHF-120	AHF-120 MHF-120	7.5	120	20	25	1 NPT	1 NPT	3	1/2 NPT

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