



NHF Series Liquid Ring Vacuum Pumps

Description: **Single-Stage Liquid Ring Vacuum Pump**
Type: **Close Coupled, Pedestal Mount, High Efficiency**
Models: **NHF-50, NHF-75, NHF-80, NHF-120**
Power Range: **3-7.5 HP**
Capacity Range: **30-110 CFM**
Max Vacuum: **27.5" Hg**

Overview

Our close-coupled high efficiency NHF series liquid ring pumps are an excellent choice, producing up to 40% more capacity per horsepower. These new premium efficiency pumps are coupled to high efficiency IEC frame motors and have been designed from the ground-up to be interchangeable with classic Nash* AHF & MHF series pumps. NES pumps are factory tested and include a 1 year warranty.

Features

- Drop-in replacement for classic Nash* AHF & MHF series.
- Produces up to 40% more capacity per horsepower.
- Compact design reduces size & costs.
- Standard construction is cast iron w/ stainless steel impeller.
- Optional 304 or 316 all stainless steel construction.
- Standard viton mechanical seal.
- Parts and repair kits readily available.
- Available as bare pump or engineered systems.
- Standard models typically ship from stock.
- 1 year factory warranty.

Materials of Construction

- Housing & Head - Cast iron standard; 304 or 316 SS optional.
- Rotor - 304 SS standard.
- Port Plate - Cast iron standard; 304 or 316 SS optional.
- Shaft - Cast steel standard; 304 or 316 SS optional.
- Seal - Viton mechanical seal standard.
- Motor - TEFC metric frame, 230/460/3/60 volt, explosion proof optional.

Applications

- | | | |
|--------------|--------------------|---------------------|
| • Autoclaves | • Chucking | • Container Filling |
| • Forming | • Cooking | • Deaerating |
| • Drying | • Evaporating | • Eviscerating |
| • Exhausting | • Extruder Venting | • Fiber Setting |



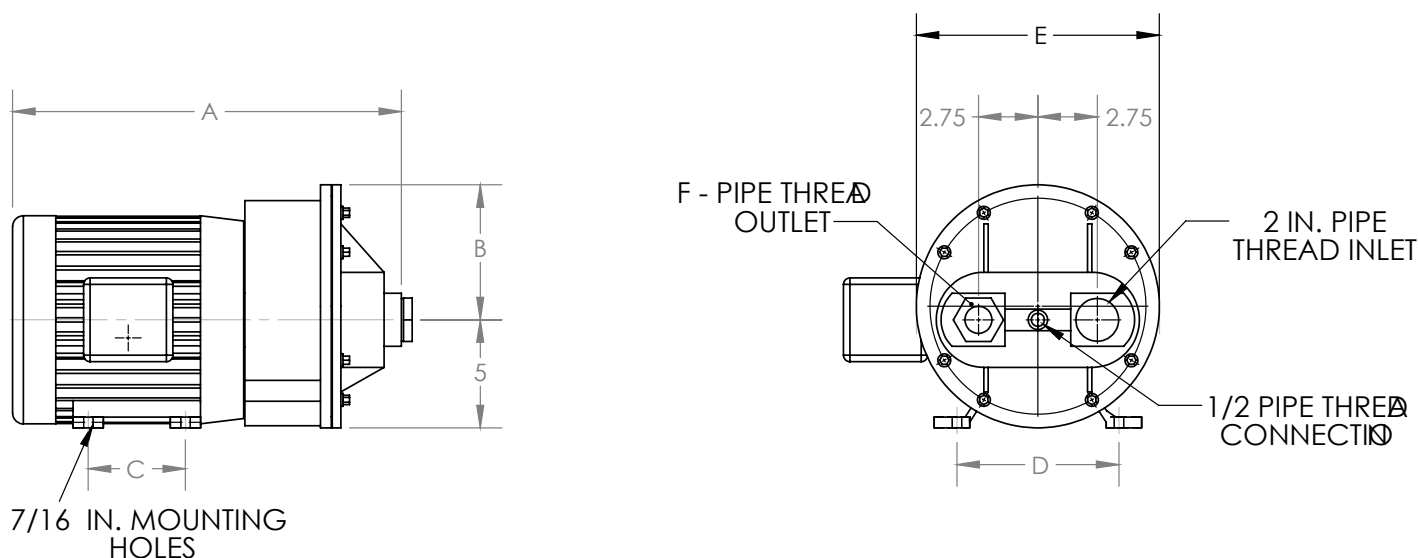
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Model	Max Vacuum [“Hg]	Speed [RPM]	Capacity [CFM] @ 22” Hg	Motor Power [HP]	Inlet [in]	Disch. [in]	Seal Water Usage [GPM]	Seal Water Size [in]	Pump Weight Dry [lbs.]
NHF-50	27.5	1450	28	3	2 NPT	1-1/4 FL	1.5	1/2 NPT	80
		1750	47	3			1.5		
NHF-75	27.5	1430	55	3	2 NPT	1-1/2 FL	3.0	1/2 NPT	90 Pedestal
		1750	76	5					
NHF-80	27.5	1450	58	5	2 NPT	1-1/2	2.0	1/2 NPT	165
		1750	67	5					
NHF-120	27.5	1450	86	7.5	2 NPT	2 NPT	3.0	1/2 NPT	170
		1750	111	7.5					



Model	A	B	C	D	E	F
NHF-50	18"	6.25"	4.5"	7.5"	11.25"	1.25"
NHF-80	20"	6.25"	5.5"	7.5"	11.25"	1.5"
NHF-120	25"	6.5"	8.5"	8.5"	11.75"	2"

TYPICAL NHF-50, 80, 120 LAYOUTS

See pump drawing for more details & dimensions

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