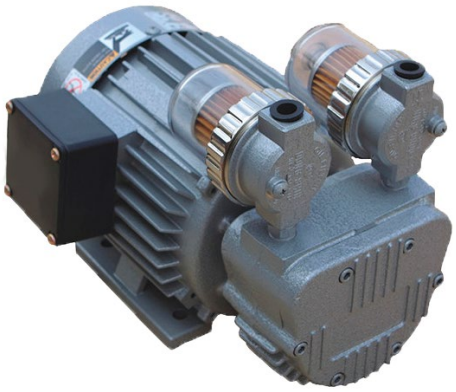
DRY-RUNNING ROTARY VANE VACUUM PUMPS

NDRV SERIES

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

DRY-RUNNING ROTARY VANE VACUUM PUMPS — SMALL CAPACITY

MODELS: NDRV-120, NDRV-140, NDRV-280, NDRV-480



Dry-running rotary vane technology — low noise, low vibration, and a compact footprint for space-limited applications.

— VACUUM

27" HgV max vacuum for the higher end of rough vacuum applications.

— DESIGN

Compact footprint with low noise and low vibration levels; cast or aluminum die-cast construction.

— MAINTENANCE

Simple, sparse parts for easy internal access and quick maintenance.

— WARRANTY

1-year warranty against manufacturer's defects.

Small pumps. Quiet, compact rotary vane performance.

NES Company Inc. introduces our latest line of single stage rotary vane vacuum pumps, the NDRV dry-running rotary vane vacuum pump series.

CAPACITY RANGE	POWER RANGE	ULTIMATE PRESSURE	MODELS
4–17	0.17–1 HP	27" Hg	4 Models
CFM capacity range	Power range	Ultimate pressure	NDRV-120 through NDRV-480

Overview / Features / Notes

SPECIFICATION SUMMARY

Type	Dry-Running Rotary Vane
Size	Small Capacity
Models	NDRV-120, NDRV-140, NDRV-280, NDRV-480
Power Range	0.17 – 1 HP
Capacity Range	4 – 17 CFM
Ultimate Pressure	27" Hg

DESCRIPTION

These small pumps are able to generate 27'' HgV at flow rates between 4 and 17 CFM and 0.16 to 1 HP. The NDRV Series showcases rotary vane technology with low noise and low vibration compact designs that create a safe and comfortable environment for both pump and operator in any application, particularly in those that require space limitations and small footprints.

FEATURES

- **Max vacuum pressure of 27'' HgV for the higher end of rough vacuum applications.**
- **Low noise and low vibration levels for increased stability and comfort.**
- **Simple and sparse parts make for easy internal access and quick maintenance.**
- **Designed with compact footprint with consideration to space limitations.**
- **Inlet port wire mesh dirt trap designed to sieve coarse particles.**
- **Cast or aluminum cast die constructed robust and compact pump.**
- **Oil lubrication acts as protective barrier for chamber and vanes against friction and harsh process gasses.**
- **1-year warranty against manufacturer's defects.**

NOTES

NES Company Inc. NDRV Series dry-running single-stage rotary vane vacuum pumps are factory performance tested and include a 1-year warranty against manufacturer's defects.

FULL TECHNICAL DATA

The following page covers model-by-model technical data, the application table, and pump weights. **Contact NES** at info@nescompany.com or 800-297-3550 for application support.

Technical Data / Applications / Weight

TECHNICAL DATA

Series Name	Rotation Speed (RPM)	Capacity CFM	Power Rating (Φ/HZ/HP)	Motor Rating (Φ/HZ/HP)	Ultimate Pressure (In. Hg Vac)	Sound Level (dB)
NDRV 120	3600	4	1/60/0.17	1/60/220	27	58
NDRV 140	1800	5	1/60/0.33 3/60/0.75	1/60/220 1/60/220	27	58
NDRV 280	1800	10	1/60/0.75 3/60/1	3/60/220,380 1/60/220	27	68
NDRV 480	1800	17	1/60/1	3/60/220,380	27	75

APPLICATION TABLE

Applications
Vacuum Packing
Vacuum Printing
Medical Instruments
Vacuum Adhesion
Vacuum Pressing
Resin Degassing
Sputter & Deposition Systems
Turbo Pump Backing
Molding
Power Plants
Filtering
Extruder Venting
Foods & Fats

PUMP WEIGHT

Series Name	Weight (Lbs.)
NDRV 120	20
NDRV 140	30
NDRV 280	57
NDRV 480	67

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