

VACUUM PUMPS & EVACUATION

NP2DLM BreakFree® Cordless Vacuum Pump Cordless • Compact • Convenient



- 2 CFM, 23 microns
- High performance lithium battery
- Up to 1 hour running time
- Brushless DC technology
- Light weight at 8.4 lbs

Unit Dim & Wgt: 9.2" x 3.5" x 7.5", 8.4 lbs

2-year warranty

BREAKFREE
CORDLESS SERIES



A2L
Compatible



NP4DLM BreakFree® Cordless Vacuum Pump World's Highest Capacity Cordless DC Pump



- 4 CFM, 15 microns
- Residential and light commercial applications
- High performance lithium battery
- Up to 1 hour running time
- Brushless DC technology

Unit Dim & Wgt: 12.4" x 4.4" x 9.4", 15.4 lbs

2-year warranty

BREAKFREE
CORDLESS SERIES



A2L
Compatible



NB1 Lithium Battery for NP2DLM

18V, 5Ah, 90Wh



Unit Dim & Wgt: 3.1" x 2.8" x 4.8", 1.3 lbs

NBP2 Lithium Battery for NP2DLM/NP4DLM

18V, 9Ah, 162Wh



Unit Dim & Wgt: 3.5" x 3.1" x 4.8", 2.0 lbs

NAPS1 Power Supply Adapter for NP2DLM/NP4DLM

Input: 100V-240V ~50/60Hz 180W
Output: 18V 6A



Unit Dim & Wgt: 12.2" x 6.3" x 3", 4.4 lbs

NRP6Di & NRP8Di Smart Vacuum Pump Brushless DC Technology with Smart Control



- NRP6Di: 6 CFM, 15 microns
- NRP8Di: 8 CFM, 15 microns
- Brushless DC technology
- Light weight at 25.35 lbs
- Automatic control, digital display with task reminder

Unit Dim & Wgt: 14" x 5.3" x 11.9", 25.4 lbs

2-year warranty

MASTER SERIES



A2L
Compatible



NRP6Di



NRP8Di

NP12DM Vacuum Pump Fast • Robust • Powerful



- 12 CFM, 5 microns
- Industrial-grade design
- High evacuation performance
- Brushless DC technology
- Integrated dual-stage pump
- Oil backflow prevention

Unit Dim & Wgt: 16.3" x 6" x 12.1", 32 lbs

2-year warranty

MASTER SERIES



A2L
Compatible



NP12DA1 Ammonia Vacuum Pump Robust and Corrosion Resistant



- Corrosion resistant for Ammonia (R-717)
- 12 CFM, 5 microns
- Industrial-grade design
- Brushless DC technology
- Integrated dual-stage pump

Unit Dim & Wgt: 16.3" x 6" x 12.1", 32 lbs

1-year warranty



Ammonia



VACUUM PUMPS & EVACUATION

NP5DP & NP7DP Vacuum Pump

Performance • Reliability



- NP5DP: 5 CFM, 15 microns
- NP7DP: 7 CFM, 15 microns, dual voltage
- Dual-stage with integrated cylinder structure for high performance and reliability

Unit Dim & Wgt: 14" x 5" x 11.3", 26 lbs

1-year warranty

PRO SERIES



NP5DP



NP7DP

NP7DP2 Vacuum Pump

Performance • Reliability



- 7 CFM, 15 microns
- Dual-stage with integrated cylinder structure for high performance and reliability
- Internal check valve to prevent oil backflow

Unit Dim & Wgt: 14" x 5" x 11.3", 26 lbs

1-year warranty

PRO SERIES



**A2L
Compatible**



VO1Q (1 Liquid Quart) VO1G (1 Liquid Gallon) Vacuum Pump Oil



Premium Oil

- Suitable for most vacuum pumps available in the market
- High quality, clean and free of contaminants
- Case Qty (VO1Q/VO1G): 12/6



VO1Q

VO1G

NPO68 Industrial Grade Vacuum Pump Oil (1 Liquid Quart)



NOT30B Oil Mist Filter for NRD16T/ NRD24M/30M



NOT30B Unit Dim & Wgt:
5.5" x 5.5" x 7.5", 3 lbs



NPO68



NOT30B

NRD16T Industrial Vacuum Pump

Suitable for Heavy Commercial Applications



- 12 CFM, 3 microns
- Industry-leading ultimate vacuum
- Fast evacuation with power and reliability
- Oil backflow prevention

Unit Dim & Wgt: 20.5" x 7.4" x 10.7", 73 lbs

1-year warranty

Industrial



NRD24M & NRD30M Industrial Vacuum Pump

Fast • Powerful • Reliable



- NRD24M: 18 CFM, 3 microns
- NRD30M: 23 CFM, 3 microns
- Industry-leading ultimate vacuum
- Fast evacuation with power and reliability
- Oil backflow prevention

Unit Dim & Wgt: 20.5" x 7.4" x 10.7", 77 lbs

1-year warranty

Industrial

Ammonia



NRD24M



NRD30M

NRC62D Smart Refrigerant Charging Machine

Smart Charging



"3-in-1" Smart Charging Machine
w. Digital Manifold, Vacuum Pump
and Refrigerant Scale

3 in 1

2 year warranty

MASTER SERIES

Unit Dim & Wgt:
19.7" x 10" x 14.5", 38.6 lbs

- 6 CFM DC dual-stage vacuum pump
- Built-in advanced digital manifold gauge
- Wireless refrigerant scale
- Built-in micron vacuum gauge with leak detection
- Wireless temperature probes



VACUUM PUMPS & EVACUATION

NVR1 Valve Core Removal Tool

Fast Recovery and Evacuation



2 sizes in 1 tool

Unit Dim & Wgt: 5.4" x 6.2" x 1.8", 0.6 lbs

1-year warranty

Case Qty: 5

- For use with both 1/4" and 5/16" flare fittings
- Designed for high-pressure refrigerants including R410a
- Vacuum rated to 20 microns



NH5SC 1/4" Charging Hoses with Ball Valve, 5 Ft Long



- High strength
- Ball valve to prevent refrigerant loss
- Suitable for R-410A, R-134a, R-22 and other refrigerants
- 1/4" SAE fittings with 45° bend

Unit Dim & Wgt: 10.1" x 10" x 2", 2 lbs

1-year warranty

Case Qty: 5

- Leak-proof eight-sided crimp
- 800 psi working pressure, 4000 psi burst pressure
- Metal valve handle
- Universal, replaceable gasket



NHB1 & NHB2 Big Boy High-Flow Evacuation Hoses, 6 Ft long



- High strength
- 1/2" large diameter for fast evacuation
- 4-layer construction for low permeation
- 640 psi working pressure, 3200 psi burst pressure
- Vacuum rated to 20 microns

Unit Dim & Wgt: 12" x 12" x 2", 2 lbs

1-year warranty

Case Qty: 5

- NHB1: 3/8" to 1/4" fitting
- NHB2: 1/2" to 1/4" fitting



NEVK1& 2 Rapid Evacuation Kit, Pro Series

NEVK3 Rapid Evacuation Kit, Pro Plus

1-year warranty

Case Qty (NEVK1/2/3): 5/5/4



NEVK1 includes:

- 1 x NHB1 Evacuation Hose, 3/8" to 1/4" Fitting
- 1 x NVR1 Valve Core Removal Tool

NEVK2 includes:

- 1 x NHB2 Evacuation Hose, 1/2" to 1/4" Fitting
- 1 x NVR1 Valve Core Removal Tool

NEVK3 includes:

- 1 x NHB1, 1 x NHB2, 2 x NVR1
- 1 x NMV1 Micron Vacuum Gauge

Unit Dim & Wgt: 12" x 1.9" x 13.5", 3.3 lbs (NEVK1/2)

Unit Dim & Wgt: 10.6" x 5.9" x 11", 6.9 lbs (NEVK3)



NEVK1&2



NEVK3

REFRIGERANT RECOVERY

NRRD Recovery Unit

Light • Fast



- One key operation, easy to use
- Twin cylinder, fast recovery
- Oil-free compressor, suitable for all commonly used refrigerants

- Purge function prevents mixing of various refrigerants
- High pressure protection for safety

Unit Dim & Wgt: 18" x 10" x 14", 30 lbs

1-year warranty



NRDD Digital DC Recovery Unit

Fastest Twin-Cylinder Recovery Unit



UL Verified
Recovery Rate



- Brushless DC technology
- Light weight at 24.3 lbs
- Large backlit display
- Easy-to-read LCD screen
- Twin-cylinder with 2-row oversized condenser for fast recovery

Unit Dim & Wgt: 4.5" x 9.9" x 11.7", 24.3 lbs

3-year warranty

MASTER SERIES



A2L
Compatible

- Oil-free compressor, suitable for all commonly used refrigerants
- Purge function prevents mixing of various refrigerants

*2 years over-the-counter warranty, extended to 3 years by registering on NAVAC website



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REFRIGERANT RECOVERY

NRDC4M 4-Cylinder Recovery Unit

World's First DC 4-Cylinder Recovery Unit | Fastest • Most Powerful



- 4-cylinder for powerful recovery
- Up to 40% faster than 2-cylinder unit
- Super-efficient condenser
- Over-sized micro-channel coil
- 3 high-speed cooling fans

Unit Dim & Wgt: 17" x 10.7" x 12.2", 41.9 lbs

2-year warranty

MASTER SERIES



**A2L
Compatible**



NRDDF Recovery Unit for Flammable Refrigerants

Fast • Compact • Ignition-Proof



- Design and tested to UL 121201, CSA C22.2 No.213-17 & IEC 60069-7
- Suitable for A2L, A2 & A3 refrigerants
- Brushless DC technology
- Oil-free compressor, suitable for all commonly used refrigerants
- Easy-to-read LCD screen

Unit Dim & Wgt: 14.5" x 9.9" x 11.7", 24.3 lbs

***1-year warranty**



**A2L, A2 & A3
Compatible**

- IP54 waterproof design
- Large backlit display
- Twin-cylinder with 2-row oversized condenser for fast recovery
- Purge function prevents mixing of various refrigerants

*For recovering only HVAC/R refrigerants from sealed HVAC/R systems.



TESTING TOOLS & INSTRUMENTS

NMV1 Micron Vacuum Gauge

Precise Measurement



- Pirani vacuum sensor, professional grade and more precise
- Large backlit display
- Auto power off

Unit Dim & Wgt: 4.4" x 2.2" x 7.2", 1 lbs

1-year warranty

Case Qty: 5



NMV1S Premium Micron Vacuum Gauge

Smart Measurement



- Pirani vacuum sensor, professional grade and more precise
- Rechargeable battery
- Large backlit display
- Auto power off

Unit Dim & Wgt: 3.5" x 2.6" x 6.1", 0.8 lbs

1-year warranty

Case Qty: 5



NML1 Leak Detector

Accurate Detection



- Semiconductor sensor for precision
- 2 CFM ball bearing sniffing fan for detecting very small leaks
- Extended service life

Unit Dim & Wgt: 12.1" x 2.9" x 10.6", 2.6 lbs

1-year warranty

Case Qty: 5



NMC1 Digital Clamp Meter

Simple • Solid



- High precision chip
- Compact design
- 1-1/8" jaw, suitable for large conductors

Unit Dim & Wgt: 6" x 1.7" x 9.4", 0.9 lbs

1-year warranty

Case Qty: 5



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TESTING TOOLS & INSTRUMENTS

NMT300 Infrared Thermometer

Easy to Use



- Precise infrared sensor
- Rapid response, accurate measurement
- Large-aperture silicon mirror for long-distance reach
- Wide measuring range
- One-key operation
- Auto power off
- Backlit LCD, easy to read

Unit Dim & Wgt: 5.7" x 1.9" x 9.7", 0.6 lbs

1-year warranty

Case Qty: 6



NMT1000 Thermal Imaging Camera

Troubleshoot HVAC systems through a new lens



- High-quality imaging
- Distinctive thermal vision of the target
- 25 Hz fast refresh frequency
- Smooth video and measurements
- Compact design, easy to carry
- Quick temperature measurement
- Covers the entire field of the target
- Auto temperature range
- Quick start in 8 seconds
- Store and export images

Unit Dim & Wgt: 7.9" x 2.7" x 1.9", 2.3 lbs

2-year warranty

Case Qty: 12



NRS2i01 Wireless Refrigerant Scale

Light • Precise



- Wireless bluetooth control
- Auto power off
- Weight range up to 220 lbs
- Precision sensor with 0.05% accuracy
- Magnesium alloy weighing platform
- Light weight at 3.3 lbs, easy to carry
- Large backlit display
- Integrated handle design
- Convenient hide-away storage for handheld device

Unit Dim & Wgt: 10" x 3.8" x 12.4", 5.7 lbs

1-year warranty

Case Qty: 5



NRS3i01 Wireless Refrigerant Scale, Large Weighing Platform

Precise Charging



- Wireless bluetooth control
- Auto power off
- Weight range up to 265 lbs
- Precision sensor with 0.05% accuracy
- 10.6" x 12.6" large weighing platform
- Durable and highly reliable
- Large backlit display
- Integrated handle design
- Convenient hide-away storage for handheld device

Unit Dim & Wgt: 15.7" x 3.6" x 14.1", 10.4 lbs

1-year warranty

Case Qty: 4



N2D4H Manifold Gauge with Digital Display

Precision • Impact-Resistant



- Precise pressure gauge with Class 0.4 accuracy
- Aluminum body with ball valve handle
- Impact-resistant design
- Durable rubber cover
- Easy-to-read digital display
- Hidden hook design, easy to transport
- Auto power off
- For 23 commonly used refrigerants
- 3-color refrigerant hoses included

Unit Dim & Wgt: 11.8" x 12.5" x 3.3", 6.4 lbs

1-year warranty

Case Qty: 5



**A2L
Compatible**



N2A4 Manifold Gauge

Precision • Impact-Resistant



- Precise pressure gauge with Class 1.0 accuracy
- 4 Refrigerants for wider applications
- Aluminum body with ball valve handle
- Impact-resistant design
- Durable rubber cover
- Hidden hook design, easy to transport
- Suitable for R22, R410A, R134a, R404A
- Ø3-1/8" large dial for easy reading

Unit Dim & Wgt: 13.8" x 13.4" x 4", 5.5 lbs

1-year warranty

Case Qty: 5



N2A4B Manifold Gauge

Precision • Impact-Resistant



- Precise pressure gauge with Class 1.0 accuracy
- 4 Refrigerants for wider applications
- Suitable for R454B, R32, R410A, R22
- Aluminum body with ball valve handle
- Impact-resistant durable rubber cover
- Hidden hook design, easy to transport
- Color-coded refrigerant reading
- Ø3-1/8" large dial for easy reading
- Glow in the dark

Unit Dim & Wgt: 3.8" x 13.4" x 4", 5.5 lbs

1-year warranty

Case Qty: 5



**A2L
Compatible**



TESTING TOOLS & INSTRUMENTS

N4A4H 4-Valve Manifold Gauge

Precision • Impact-Resistant



- 4 valve, easy-to-use
- Precise pressure gauge with Class 1.0 accuracy
- 4 Refrigerants for wider applications
- Aluminum body with ball valve handle
- Impact-resistant design
- Durable rubber cover
- Hidden hook design, easy to transport
- 4-color refrigerant hoses included
- Suitable for R22, R410A, R134a, R404A
- Ø3-1/8" large dial for easy reading

1-year warranty

Case Qty: 5

Unit Dim & Wgt:
12.1" x 13.5" x 3.7", 9.5 lbs



TUBING TOOLS

NTB7L BreakFree® Power Tube Bender

Power Tube Bender, Best Tube Bender!



NTBRK Reverse
Bending Attachment Kit

- Powerful for large size tubing
- Push and hold for 90° bending
- Automatic tube release
- 7 sizes in one selector
- Stop any time for customized angles
- Large lithium battery, over 100 bends per charge
- Quick connect mandrel and crossbar
- Tube OD: 1/4", 5/16" 3/8", 1/2", 5/8", 3/4", 7/8"

PATENT PENDING

2-year warranty

BREAKFREE
CORDLESS SERIES

Unit Dim & Wgt: 7.9" x 5.5" x 12.8, 6.2 lbs (with battery)



NTB7L



NTBRK

NEF6LM BreakFree® Power Flaring Tool

Quick Accurate Flaring • Ultra Light



- Complete a flare in 15 seconds
- Over 100 flares per charge
- Quick charge in 30 minutes
- Ultra light at 2.9 lbs
- Quick connect with ready-to-use clamps
- 45° flaring for R410A
- Limit baffle assures precise flare depth
- Easy one-button operation
- Battery indicator & LED flash light
- Tube OD: 1/4", 3/8", 1/2", 5/8", 3/4"

PATENTED

2-year warranty

BREAKFREE
CORDLESS SERIES

Unit Dim & Wgt: 4.1" x 4.1" x 10.2", 2.9 lbs (with battery)

Case Qty: 5



NTE11L BreakFree® Power Tube Expander

Effortless, Quick & Accurate Expanding



NTEQHK Quick Connect
Expander Kit, 1-1/4" to 1-5/8" OD

- One-button operation
- Automatic pressure relief
- Quick connect heads
- Large capacity lithium battery, up to 200 expansions per charge
- Quick charge in 30 minutes
- Complete an expansion in 12 sec.
- Battery indicator & LED flash light
- Tube OD: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"

PATENT PENDING

2-year warranty

BREAKFREE
CORDLESS SERIES

Unit Dim & Wgt: 8.3" x 2.8" x 9.8", 3.4 lbs (with battery)

Case Qty: 4



NTE11L



NTEQHK

N11LNH (no heads)

For NTE11H, NTEHHK owners

2-year warranty

Case Qty: 4



N11LNB (no battery, no charger)

For NEF6LM, NTB7L owners

2-year warranty

Case Qty: 4



NBF2 Lithium Battery for NEF6LM/NTE11L/NTB7L



7.4V, 2.0Ah, 14.8Wh

Unit Dim & Wgt: 4"x 5.3" x 3", 0.3 lbs



NCF2 Charger of the NBF2 Battery, for NEF6LM/NTE11L/NTB7L



Input: 100V~240V 50~60Hz 50W
Output: DC 8.4V 3.5A

Unit Dim & Wgt: 5.5"x 5.5" x 2", 0.5 lbs



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TUBING TOOLS

NTF66 & NTF66C Flaring Tool Accurate Flaring



- Axial spacing ensures accurate and consistent flaring
- Eccentric cone with 45° flare for R410A system
- Nitride treatment for longer life
- Robust and durable

Unit Dim & Wgt: 10.4" x 9.4" x 2.5", 4.7 lbs(NTF66), 4.9 lbs(NTF66C)

1-year warranty

Case Qty: 5

- Patented annular rivet connection
- Internal clutch prevents over-torquing
- NTF66C with NTC12 cutter
- NTF66 no cutter
- Tube OD: 1/4", 1/2", 3/8", 1/2", 5/8", 3/4"



NTF66



NTF66C

NTF67D Hand or Drill-Powered Flaring Tool Accurate Flaring



- Efficient and labor-saving with drill attached
- Axial spacing ensures accurate and consistent flaring
- Eccentric cone with 45° flare for R410A system
- Nitride treatment for longer life

- Robust and durable
- Patented annular rivet connection
- Internal clutch prevents over-torquing
- Tube OD: 3/16", 1/4", 1/2", 3/8", 1/2", 5/8", 3/4"

Unit Dim & Wgt: 13.4 x 9.4" x 2.6", 2.7 lbs

1-year warranty

Case Qty: 5



NFG1 Flare Gauge Ensure Perfect Flares



- For precise measurement of tube flare
- Tube OD: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"

Unit Dim & Wgt: 5.1" x 1.6" x 0.2", 0.14 lbs

1-year warranty

Cast Qty: 10



NTE7 Tube Expander Easy to Expand



- Foldable design for portability
- Simple structure for expanding copper tubing

Unit Dim & Wgt: 12" x 4.9" x 1", 0.9 lbs

1-year warranty

Cast Qty: 10



NTE11H Hydraulic Tube Expander Powerful and Durable



NTEHHK Expander Kit, 1-1/4" to 1-5/8" OD

- Vacuum sealed hydraulic system, no oil change needed
- Easy to expand
- Suitable for large diameter copper
- Compact design, convenient for narrow spaces

- Easy one-hand operation
- Reduced labor and improved efficiency
- Tube OD: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"

Unit Dim & Wgt: 10.9" x 2.8" x 15", 8.2 lbs

2-year warranty

Case Qty 4



NTW1 Digital Torque Wrench Digital Readout - Adjustable Jaw



- Accurate within 2%
- Dual direction (CW & CCW)
- Torque setting memory & Peak hold
- Selectable measuring units (ft-lb, in-lb, N-m, kg-cm)

Unit Dim & Wgt: 19" x 5.7" x 3.3", 3 lbs

1-year warranty

Case Qty: 6

- Auto turn-off after 5 minutes
- Indicator lights and sound for target torques



NTWH41 Wrench Head Large 5-41 For NTW1



Unit Dim & Wgt: 9.7" x 5.5" x 3.6", 0.9 lbs

1-year warranty



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TUBING TOOLS

NTC6, NTC12, NTC15 Tube Cutter Easy to Cut



NTC6

NTC12/15

- Sharp and durable cutting blade
- Ball bearing, easy to cut and better quality
- Aluminum alloy body
- Light weight, easy to carry and use

Unit Dim & Wgt: 3.6" x 5.1" x 1.4", 0.4 lbs (NTC6)
Unit Dim & Wgt: 3.6" x 5.1" x 1.4", 0.9 lbs (NTC12)
Unit Dim & Wgt: 9" x 5.1" x 1.5", 1.2 lbs (NTC15)

- NTC6 tube OD: 1/8"~3/4"
- NTC12 tube OD: 1/8"~1-1/4"
- NTC15 tube OD: 1/8"~1-5/8"

Case Qty (NTC6/12): 10
Case Qty (NTC15): 5

1-year warranty



NTR14 Internal & External Reamer Fast, Easy and Clean



- Multi-blade alloy steel internal surface
- Easy to clean internal and external tubing surfaces

Unit Dim & Wgt: 2.1" x 2.1" x 2.6", 0.4 lbs

- Slip-resistant aluminum body
- Light weight at 0.4 lbs
- Tube OD: 1/8"~1-1/2"

1-year warranty

Case Qty: 5



NTD28 Tube Deburring Tool Convenient to Carry and Use



- Replaceable blades
- 2 spare blades included

Unit Dim & Wgt: 8.6" x 3.9" x 0.7", 0.1 lbs

- Easy to carry

1-year warranty

Case Qty: 10



NKS2 Mini-Split Tool Kit NAVAC Advanced Tool Kit for Mini-Split Installation



The kit includes 9 essential tools & 1 carry bag:

- NEF6LM Cordless Flaring Tool
- NTW1 Digital Torque Wrench
- NVR1 Valve Core Removal Tool
- NHK1 30-Piece Hex Wrench Set
- NTC6 1/8"~3/4" Tube cutter
- NTC12 1/8"~1-1/4" Tube Cutter
- NTR14 Internal & External Reamer
- NTD28 Tube Deburrer
- NFG1 Flare Gauge

Unit Dim & Wgt: 21" x 10" x 11", 20 lbs



NTK1 Tubing Tool Kit Your Favorite NAVAC Tubing Tools



- Includes 5 of NTE7 tube expander, 5 of NTR14 internal/external reamer, 5 of NTC12 tube cutter, 4 of NTC6 tube cutter and one display cartons

Unit Dim & Wgt: 29.5" x 17 x 1.5", 4 lbs

- Counter displayable
- Convenient showcase
- Easy to refill