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Empowering you to work smarter

BREAKFREE
CORDLESS SERIES



Delivering unsurpassed customer value at every opportunity defines the mission of NAVAC. We empower HVAC technicians to get jobs done with more accuracy, ease and efficiency by offering highly differentiated products with leading technology and superior quality. NAVAC products include the industry first brushless DC driven vacuum pump introduced in 2017, the world's first smart refrigerant charging machine and digital DC-driven recovery unit. In 2020, building up on the success of North America's first cordless vacuum pump, NAVAC introduces our flagship BreakFree series of cordless HVAC Tools consisting of a brand new cordless vacuum pump with industry's highest cordless capacity at 4cfm, the award-winning 2cfm cordless pump and the cordless power flaring tool. Also launching in 2020 is the world's first 4-Cylinder recovery unit, taking the refrigerant recovery to an entire new level of performance!

NAVAC Empowering You to Work Smarter.

NP2DLM
Cordless Vacuum Pump



NP4DLM
Cordless Vacuum Pump



Cordless · Compact · Convenient

High Performance Lithium Battery

- High capacity
- Up to 1 hour running time

Twin Cylinder

- Ultimate vacuum down to 23 microns

Brushless DC Technology

- Light weight at 8.4 lbs
- Highly efficient

Other Features

- Backflow prevention check valve
- Isolation valve

Compact Design

- Easy to carry
- Easy to store

Model	NP2DLM	
Li-ion Battery		NB1, 18V, 5Ah
Flow Rate	CFM	2
Ultimate Vacuum	micron	23
Pump Design	Dual stage	
Inlet Port	in	1/4", 3/8" flare
Oil Capacity	oz	5.1
Dimension	in	9.2" x 3.5" x 7.5"
Weight	lbs	8.4 (with battery)

World's Highest Capacity Cordless Vacuum Pump

Cordless · Compact · Convenient

Highest Capacity Cordless Pump

- 4CFM
- Residential and light commercial applications

Compact Design

- Easy to carry
- Easy to store

High Performance Lithium Battery

- High capacity
- Up to 1 hour running time

Twin Cylinder

- High ultimate vacuum down to 15 microns

Brushless DC Technology

- Light weight at 15.4 lbs
- Highly efficient

Other Features

- Backflow prevention check valve
- Isolation valve & Lifting hook

Model	NP4DLM	
Li-ion Battery		NBP2, 18V, 9Ah
Flow Rate	CFM	4
Ultimate Vacuum	micron	15
Pump Design	Dual stage	
Inlet Port	in	1/4", 3/8", 1/2" flare
Oil Capacity	oz	8.8
Dimension	in	12.4" x 4.4" x 9.4"
Weight	lbs	15.4 (with battery)

NP4DP
Vacuum Pump

PRO
SERIES



Performance • Reliability

Twin Cylinder

- High ultimate vacuum

Lifting Hook

- Safe & convenient for roof top use

Integrated Cylinder Structure

- High performance
- High reliability

Forced Oil Circulation

- Improved efficiency and durability

Model	NP4DP	
Power Supply	V/Hz	115V / 60Hz
Flow Rate	CFM	4
Ultimate Vacuum	micron	15
Pump Design	Dual stage	
Motor Power	HP	3/4
Inlet Port	in	1/4", 3/8", 1/2" Flare
Oil Capacity	oz	17
Dimension	in	14" x 5" x 11.3"
Weight	lbs	24.3

NP7DP
Vacuum Pump

PRO
SERIES



Performance • Reliability

Dual-Voltage

- Expanded application

Twin Cylinder

- High ultimate vacuum

Lifting Hook

- Safe & convenient for roof top use

Integrated Cylinder Structure

- High performance
- High reliability

Forced Oil Circulation

- Improved efficiency and durability

Model	NP7DP	
Power Supply	V/Hz	115V / 60Hz 230V / 60Hz
Flow Rate	CFM	7
Ultimate Vacuum	micron	15
Pump Design	Dual stage	
Motor Power	HP	3/4
Inlet Port	in	1/4", 3/8", 1/2" Flare
Oil Capacity	oz	15
Dimension	in	14" x 5" x 11.3"
Weight	lbs	26

NAVAC

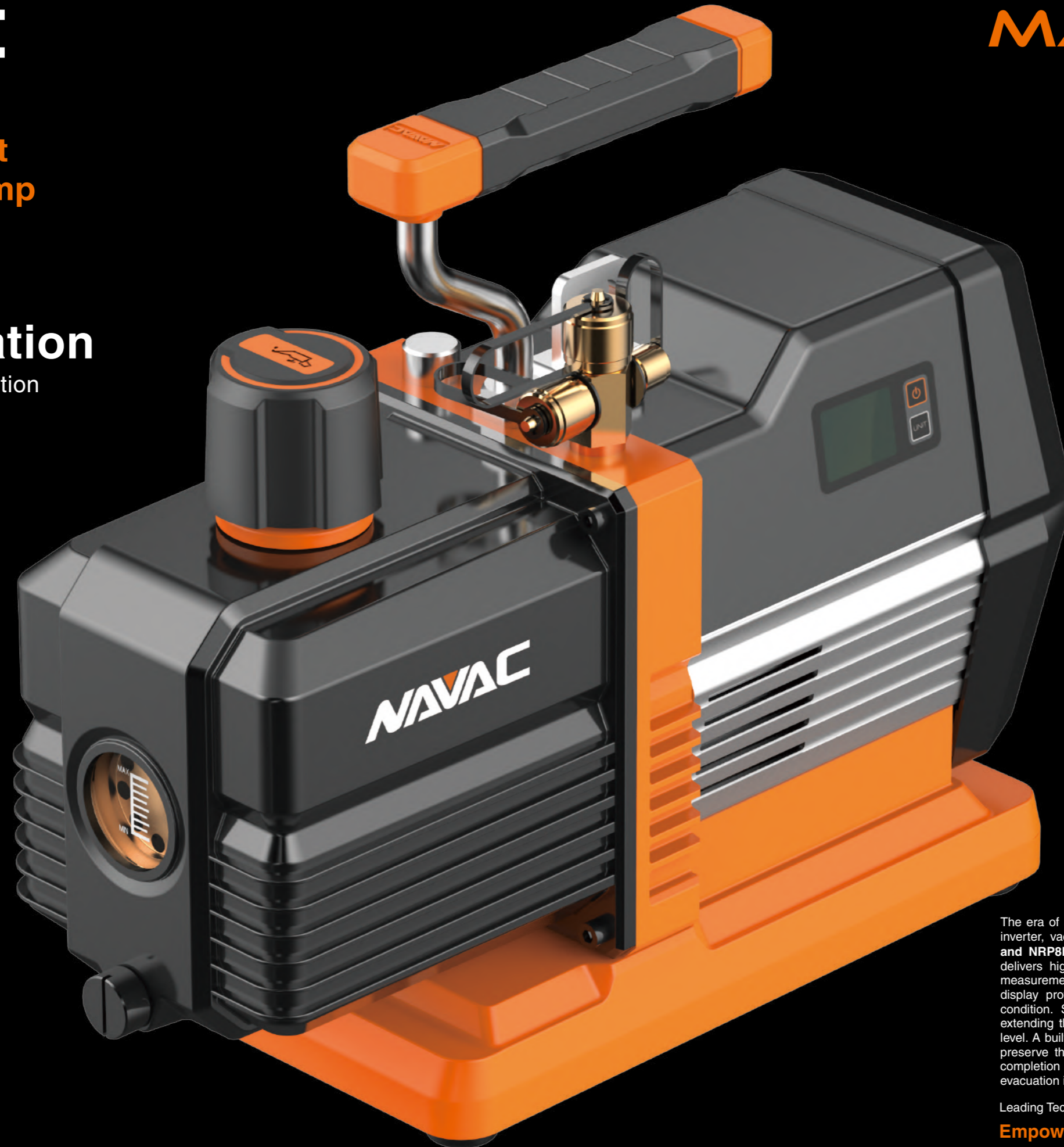
Empowering you to work smarter

The Industry's First Smart Vacuum Pump

NRP6Di NRP8Di

Smart Evacuation

One-Touch, Automatic Operation



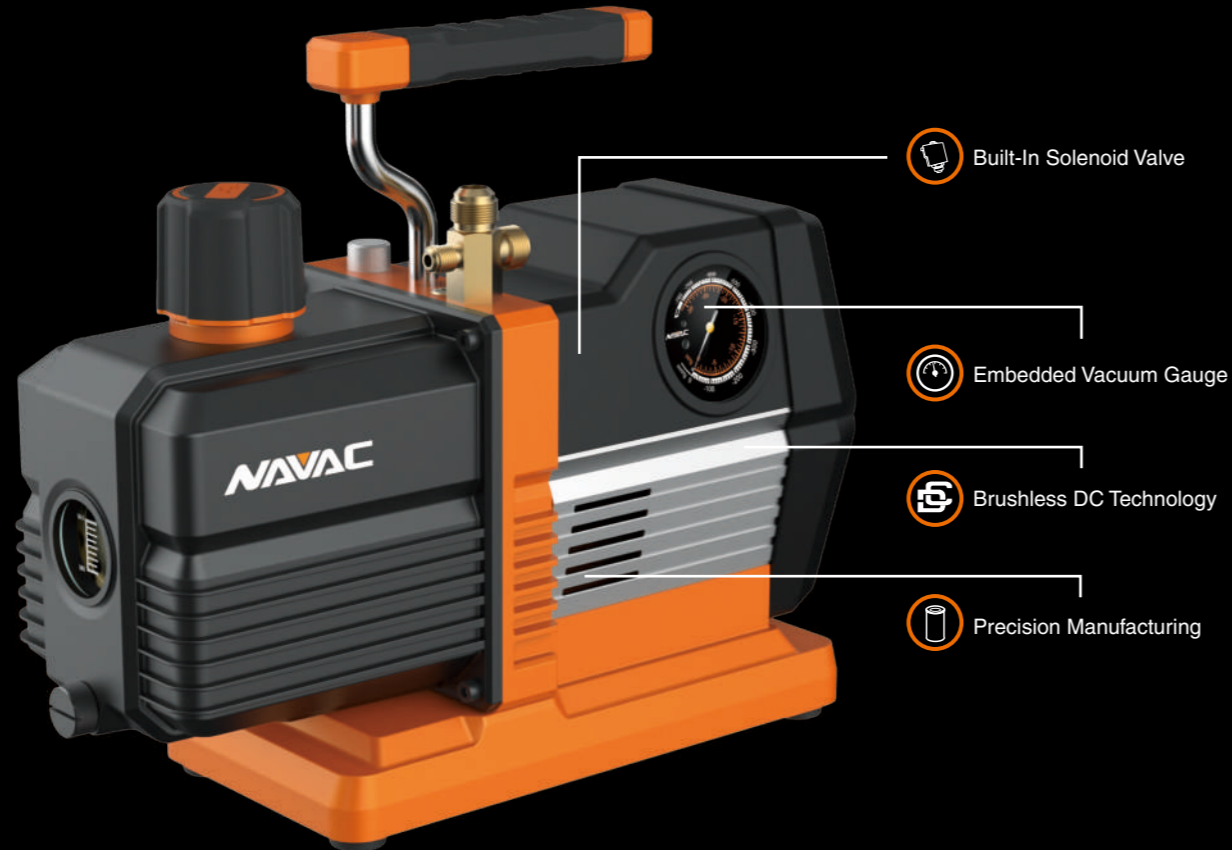
MASTER SERIES

The era of smart refrigerant evacuation begins here with the combination of inverter, vacuum measurement and smart control in one unit, the **NRP6Di** and **NRP8Di**. The light-weight, inverter-driven, twin-cylinder vacuum pump delivers high-speed evacuation along with high ultimate vacuum. Vacuum measurement technology precisely measures the system pressure. A digital display provides a comprehensive view of the system's internal vacuum condition. Smart control assures the system's vacuum by automatically extending the evacuation time after the system reaches the preset vacuum level. A built-in solenoid valve prevents oil back flow and seals the system to preserve the vacuum during power outage or accidental disconnect. Upon completion of operation, the unit will beep to remind the technician that evacuation is complete, so they can move on to the next job.

Leading Technology, Superior Quality, Best Experience.

Empowering You to Work Smarter

**NRP6DV
NRP8DV**
Vacuum Pump



Accurate • Efficient

Built-in Solenoid Valve

- Preserve vacuum during power failure
- Prevent oil backflow

Brushless DC Technology

- Light
- More efficient

Precision Manufacturing

- More reliable

Embedded Vacuum Gauge

- Precision
- Anti-shock

Model		NRP6DV	NRP8DV
Power Supply	V / Hz	115V / 60Hz	115V / 60Hz
Flow Rate	CFM	6	8
Ultimate Vacuum	micron	15	15
Pump Design		Dual stage	Dual stage
Motor Power	HP	3/4	3/4
Inlet Port	in	1/4", 3/8", 1/2" Flare	1/4", 3/8", 1/2" Flare
Oil Capacity	oz	17.6	17.6
Dimension	in	14x5.3x11.9	14x5.3x11.9
Weight	lbs	25.35	25.35

**NRP6Di
NRP8Di**
Smart Vacuum Pump



Smart Control

Brushless DC Technology

- Light
- More efficient

Vacuum Measurement

- Precise micron measurement
- Vacuum display

Automatic Control Valve

- Prevent oil backflow
- Preserve vacuum

Smart Control

- Extended evacuation for better vacuum
- Automatic control
- Task reminder

Twin Cylinder

- High ultimate vacuum

Model		NRP6Di	NRP8Di
Power Supply	V / Hz	115V / 60Hz	115V / 60Hz
Flow Rate	CFM	6	8
Ultimate Vacuum	micron	15	15
Pump Design		Dual stage	Dual stage
Motor Power	HP	3/4	3/4
Inlet Port	in	1/4", 3/8", 1/2" Flare	1/4", 3/8", 1/2" Flare
Oil Capacity	oz	17.6	17.6
Dimension	in	14x5.3x11.9	14x5.3x11.9
Weight	lbs	25.35	25.35

NP12DM Vacuum Pump

Suitable for evacuation of large commercial refrigeration, central AC systems. With industrial grade technology, NP12DM solves the problems of long-time evacuation and inadequate vacuum level in working with large HVAC systems. The dual stage rotary vane pump and DC inverter motor lead to faster evacuation and a deeper vacuum. Integrated pump cylinder and built-in oil backflow prevention assure the superior performance and reliability. The combination of enhanced technology and aesthetic design make NP12DM a top class product.

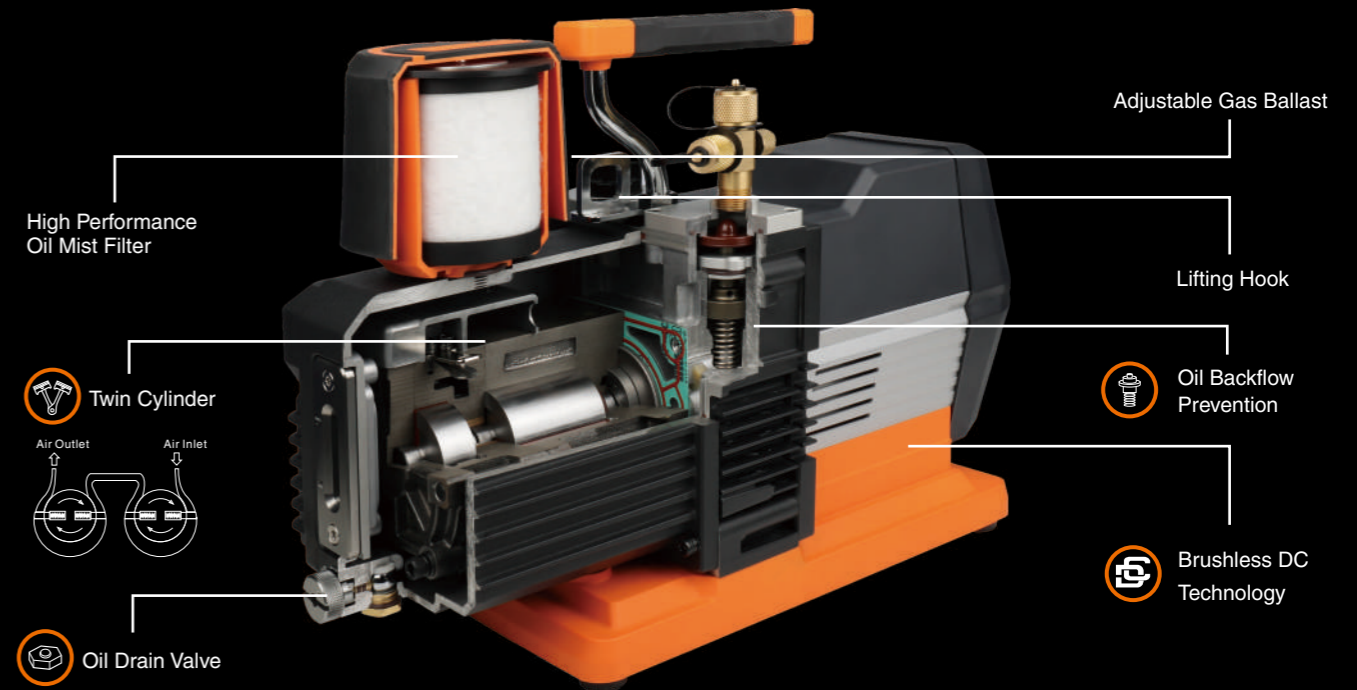
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NP12DM Vacuum Pump

5 micron **12** CFM



Speed, Robustness and Power

Industrial Grade Design

- High quality, super high vacuum
- High evacuation performance

Oil Backflow Prevention

- No system oil contamination during power failure

Brushless DC Technology

- Light
- More efficient

Oil Drain Valve

- Ball valve design, easier to drain

Integrated Dual Stage Pump

- High vacuum level down to 5 microns

Sight Glass

- Easy to see
- Eliminate oil shortage

Model	NP12DM	
Power Supply	V/Hz	115V / 60Hz
Flow Rate	CFM	12
Ultimate Vacuum	micron	5
Pump Design	Dual stage	
Motor Power	HP	1/2
Inlet Port	in	1/4", 3/8", 1/2" Flare
Oil Capacity	oz	28
Dimension	in	16.3×6×12.1
Weight	lbs	32

**VO1Q
VO1G
Vacuum Pump Oil**



Premium Oil

Widely Applicable

- Suitable for most vacuum pumps available in the market

High Quality

- Clean and free of contaminants

Model	VO1Q	VO1G
Capacity	1 Liquid Quart	1 Liquid Gallon

**NRD16T
Vacuum Pump**



**Suitable for Heavy Commercial Applications
Industry-Leading Ultimate Vacuum down to 3 Microns
Fast Evacuation with Power and Reliability**

Adjustable Gas Ballast Valve

Oil Backflow Prevention

Integrated Cylinder Structure

Forced Oil Circulation

Model	NRD16T	
Flow Rate	CFM	12
Ultimate Vacuum	micron	3
Ultimate Vacuum Gas Ballast	micron	6
Water Vapor Capacity	lbs/h	0.7
Motor Power	hp	1
Oil Capacity	Quart	1.6
Inlet and Exhaust Flange		Inlet KF16 Exhaust KF25
Noise Level	dB	58
Net Weight	lbs	98 (with cart)
Dimensions	in	20.5 x 7.4 x 10.7

The Industry's First Smart Refrigerant Charging Machine

NRC62D Smart Charging

Automatic operation for easy, reliable
evacuation and refrigerant charging



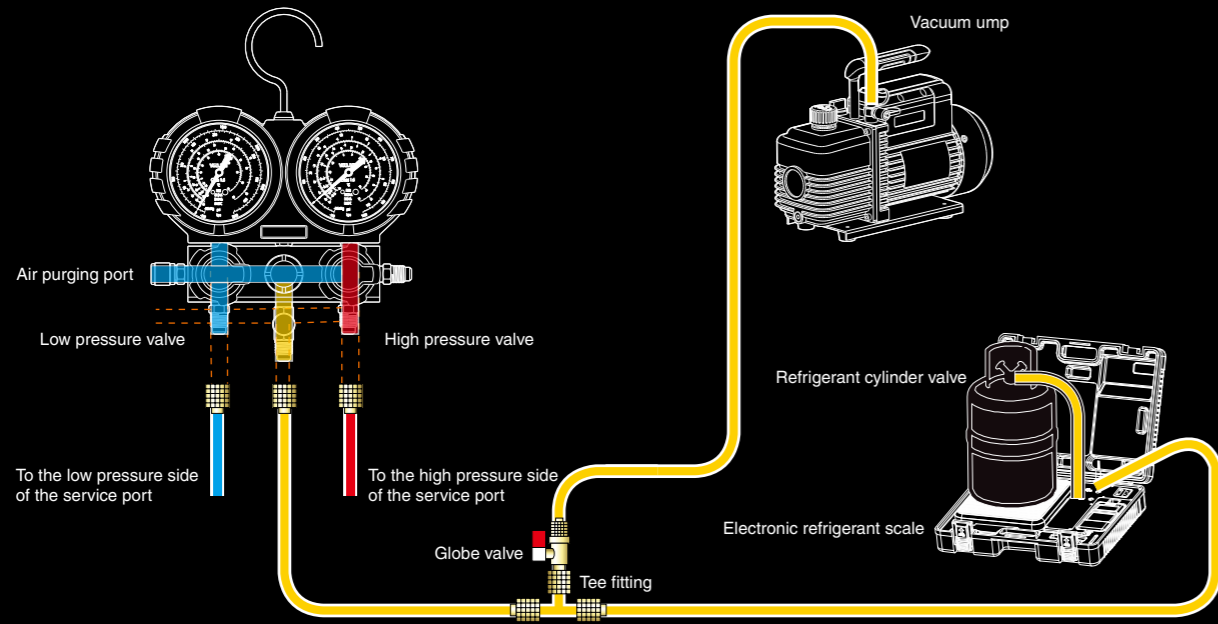
The industry's first smart charging machine, with never before seen features and advanced technology, NAVAC brings smart charging products to the HVAC industry. Conventional refrigerant charging operations use vacuum pump, manifold gauges, electronic charging scale, refrigerant tubing and other connection devices. It is dependent on the technician's experience level and judgement to evacuate and charge refrigeration systems. The conventional method is inconvenient, labor intensive, and it is difficult to ensure accuracy of the refrigerant charge.

The high-power twin-cylinder vacuum pump, with ultra-high vacuum capability, rapidly evacuates the system to the preset vacuum level. The smart control precisely measures the system's vacuum and digitally displays the vacuum level. After reaching the preset vacuum level, it automatically conducts the dry operation and leak detection. When the unit confirms the system is under proper conditions, the smart control automatically starts the charging function with precise control of the predetermined refrigerant charge, and turns off the system once charging is complete. The NAVAC smart charging machine enables you to automatically, accurately, and efficiently complete HVAC system charging.

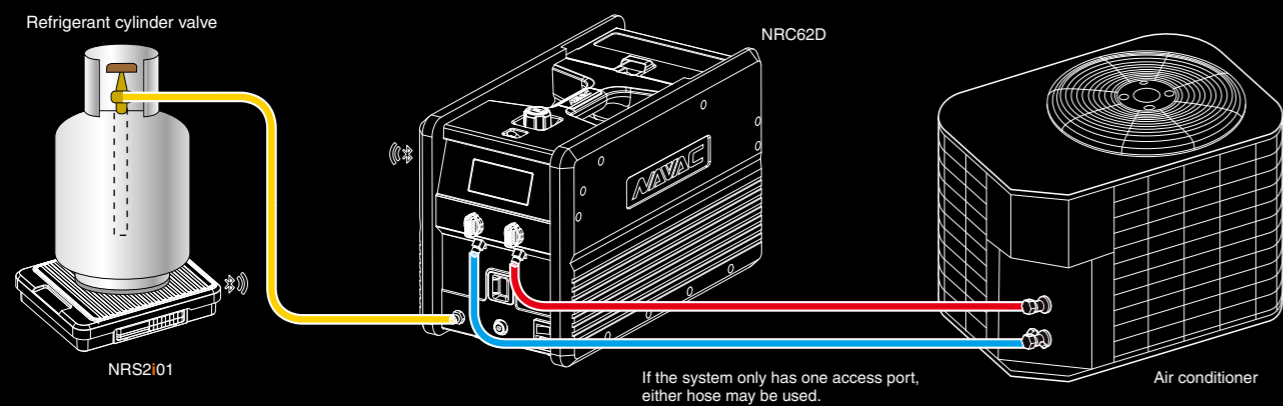
Leading Technology, Superior Quality, Best Experience.

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Traditional Refrigerant Charging:



Smart Refrigerant Charging:



The innovative design and advanced technology of the Smart Refrigerant Charging Machine delivers automatic, accurate and efficient refrigerant charging experience for HVAC service technicians.

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NRC62D Smart Refrigerant Charging Machine



Smart Charging

High Performance DC Vacuum Pump

- More efficient
- High ultimate vacuum

Wireless Temperature Probes

- Accurate temperature measurement

Wireless Refrigerant Scale

- Precision charging
- Accuracy 0.05%

Smart Control

- Automatic operation
- Built-in leak detection
- Real time status display and warning
- Weigh-in or SH/SC charging options

Model	NRC62D	
Power Supply	V / Hz	115V / 60Hz
Evacuation Rate	CFM	6
Charge Rate	lbs / min	4
Motor Power	HP	1/3
Dimension	in	19.7 × 10 × 14.5
Weight	lbs	39.6
Accessory Included	NRS2.01 (Scale), NRHH53 (Hoses), NMT1 (High Temp Probe), NMT2 (Low Temp Probe)	

**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

- Prevent mixing of various refrigerants

High Pressure Protection

- Added safety

Model		NRRD			
Refrigerant Type		Category III: R-12, R-134a, R-401C, R-500 Category IV: R-22, R-401A, R-401B, R-402B, R-407C, R-407D, R-408A, R-409A, R-411A, R-411B, R-412A, R-502, R-509 Category V: R-402A, R-404A, R-407A, R-407B, R-410A, R-507			
Power Supply	V / Hz	115V / 60Hz			
Motor	HP	1			
Max Current Draw	A	10			
Compressor		Oil-less, Air-cooled, Piston style			
Automatic Safety Shut-Off		558 psi / 38.5 bar			
Recovery Rate	lbs / min	Direct Vapor	R-22	R-134a	R-410a
		Direct Liquid	0.49	0.31	0.44
		Push/Pull Liquid	6.17	4.7	6.06
Dimension	in	18 x 10 x 14			
Weight	lbs	30			

**NRDD
Recovery Unit**



Light • Fast • Compact

Brushless DC Motor

- Light
- More efficient

Large Backlit Display

- Easy-to-read large LCD display
- Backlit for clarity

Twin Cylinder with 2-Row Oversized Condenser

- Fast recovery

Oil-Free Compressor

- Suitable for all commonly used refrigerants

Purge Function

- Prevent mixing of various refrigerants

Model		NRDD			
Refrigerant Type		Category III: R-12, R-134a, R-401C, R-500 Category IV: R-22, R-401A, R-401B, R-402B, R-407C, R-407D, R-408A, R-409A, R-411A, R-411B, R-412A, R-502, R-509 Category V: R-402A, R-404A, R-407A, R-407B, R-410A, R-507			
Power Supply	V / Hz	115V / 60Hz			
Motor	HP	1			
Max Current Draw	A	10			
Compressor		Oil-less, Air-cooled, Piston style			
Automatic Safety Shut-Off		558 psi / 38.5 bar			
Recovery Rate	lbs / min	Direct Vapor	R-22	R-134a	R-410a
		Direct Liquid	0.55	0.37	0.49
		Push/Pull Liquid	6.88	5.34	7.98
Dimension	in	16" x 10" x 14"			
Weight	lbs	25.4			

NRDC4M
Recovery Unit



4-Cylinder



World's First 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 cooling fans

Brushless DC Motor

- More efficient

Large Digital Display

- Easy-to-read large LCD display
- Backlit for clarity

Dual Oil-Free Compressors

- Suitable for all commonly used refrigerants

Model		NRDC4M			
Refrigerant Type		Category III: R-12, R-134a, R-401C, R-500 Category IV: R-22, R-401A, R-401B, R-402B, R-407C, R-407D, R-408A, R-409A, R-502, R-509 Category V: R-402A, R-404A, R-407A, R-407B, R-410A, R-507			
Power Supply	V/Hz	115V/60Hz			
Motor	HP	1.5			
Max Current Draw	A	12			
Compressor		Oil-less, Air-cooled, Piston style			
Automatic Safety Shut-Off		558 psi/38.5 bar			
Recovery Rate	lbs/min		R-22	R-134a	R-410A
		Direct Vapor	0.93	0.34	1.02
		Direct Liquid	7.16	4.95	9.20
		Push/Pull Liquid	13.29	10.20	18.41
Dimension	in	17" x 10.7" x 12.2"			
Weight	lbs	41.9			

NVR1
Valve Core Removal Tool

2 sizes in 1 tool



Fast Recovery and Evacuation

For Use With Both 1/4" and 5/16" Flare Fittings

Rated For R410A Systems

Vacuum Rated to 20 Microns

NMV1 Micron Vacuum Gauge

It uses the Pirani high-precision vacuum sensor to precisely measure vacuum levels. Digital display affords a comprehensive view of vacuum conditions. When reaching the preset vacuum level, it will buzz as a reminder. When the vacuum level increases from the preset vacuum level, it will buzz rapidly and flash the backlight to warn of leaks.

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Precise Measurement

Pirani Vacuum Sensor

- Professional grade
- More precise

Large Backlit Display

- Easy-to-read large digital display
- Backlit for clarity
- Auto power off

Buzzing Alert

- Vacuum level reminder
- Vacuum leakage warning

Ergonomic Design

- Easy to carry

Model	NMV1
Maximum overload pressure	14 psi
Range	0-10000 Pa, 0-100 mBar, 0-75 mmHg, 0-75000 microns
Resolution	0.01 (10 Pa), 0.0001 (10 mBar), 0.0001 (10 mmHg), 1 (30000 microns)
Accuracy	15-750 micron: ±5% of reading (at 68°F)
Operating temperature	32-122°F (0-50°C)
Unit	Pa, mBar, mmHg, microns
Sensor	Pirani sensor
Buzzer alarm	90 dB, shut down after 10 seconds
Weight	4.5 oz

NML1 Leak Detector

Featuring a semiconductor sensor and a high-performance rechargeable lithium battery, it is precise, durable and easy to carry.

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Precise Measurement

Semiconductor Sensor

- Precise measurement
- Extended service life

Lithium Battery

- Rechargeable

Ergonomic Design

- Easy to carry

Sniffing Fan

- 2 CFM ball bearing fan for very small leaks

Model	NML1
Refrigerants	CFC, HCFC, HFC refrigerants
Minimum of leakage	≤0.1 oz / year (R-134a)
Response time	≤3 s (depending on the size and location of leak)
Battery life	≥8 hours
System pressure	≥50 psi
Sensor life	≥1 year under normal usage (1500 h)
Length of probe	15.7 in
Weight	0.77 lbs
Calibration	Auto
Fan	2.2 CFM

NRS2i01
Wireless Refrigerant Scale



The NAVAC **NRS2i01** series bluetooth wireless electronic refrigerant scale is designed and reinforced with advanced technology, providing more precise and portable refrigerant charging technology.

Through the bluetooth connection between handheld device and electronic charging scale, you can perform other tasks while charging.

While real-time refrigerant charge is transmitted to the handheld device, it will buzz when the charge is within 2 oz of the setting, to alert the operator to stop the charging once the setting is reached.

The magnesium alloy weighing pan and ergonomic, one-piece, portable design makes it lighter and easier to carry.

Leading Technology, Superior Quality, Best Experience.

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NRS2i01
Wireless Refrigerant Scale



Precise Charging

Wireless Bluetooth Control

- More convenient
- Auto power off

Large Backlit Display

- Large screen digital display, better readability

Precision Sensor

- Precision measurement
- Accuracy 0.05%

Integrated Handle Design

Magnesium Alloy Weighing Pan

- 3.3 lbs only, easy to carry

Model	NRS2 01	
Range	lbs	220
Resolution	oz	0.2
Accuracy	%	0.05%
Power	4 x AA (scale), 4 x AAA (controller)	
Dimension	in	8.25 x 10.2
Weight	lbs	3.3



NRM2D0101
Digital Manifold Gauge



NRM1D0101
Digital Manifold Gauge



N4A3H
Manifold Gauge, 4 Valve



NRM2B0201
Manifold Gauge, 2 Valve

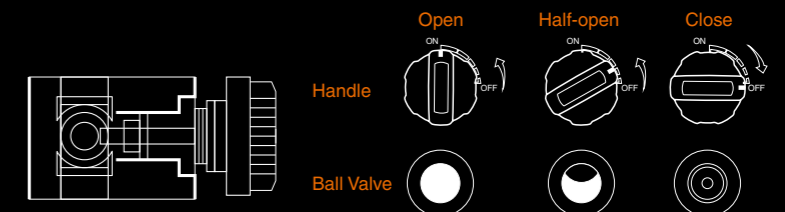
Incorporating the latest ergonomic research and advanced design, it's easy to handle and delivers high precision up to Class 0.4 accuracy. The integrated, impact-resistant body design provides outstanding protection. Ball valve makes it easy to operate, and folding hook easy to carry.

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Empowering You to Work Smarter

Precision and Impact-Resistant

- 01 - 9 Refrigerants for Digital Manifold Gauge
- 02 - R-22, R-134a, R-410A for Mechanical Gauge
- 03 - R-22, R-404A, R-410A for Mechanical Gauge



**NRM2D0101
NRM2D0102
Digital Manifold Gauge**



Precision • Impact-Resistant

Accurate

- Precision pressure gauge with Class 0.4 accuracy

Folding Hook

- Hidden hook design, easy to transport

Aluminum Body with Ball Valve Handle

- Reliable, efficient and durable
- Better work experience

Digital Display

- Easy to read
- Auto power off

Impact-Resistant

- Impact-resistant design
- Durable rubber cover

Model	NRM2D0101		NRM2D0102	
Refrigerant Type	R-22, R-134a, R-1234yf, R-290, R-404A, R-407C, R-410A, R-32, R-507			
Pressure Range	psi	-30 inHg to 720 psi		
Hose	in	Red 1/4" - 1/4" Yellow 1/4" - 1/4" Blue 1/4" - 1/4"	No Hose	
Standard Length	ft	3x5'		No Hose

**NRM1D0101
Digital Manifold Gauge**



Precision • Impact-Resistant

Accurate

- Precision pressure gauge with Class 0.4 accuracy

Folding Hook

- Hidden hook design, easy to transport

Aluminum Body with Ball Valve Handle

- Reliable, efficient and durable
- Better work experience

Digital Display

- Easy to read
- Auto power off

Impact-Resistant

- Impact-resistant design
- Durable rubber cover

Model	NRM1D0101			
Refrigerant Type	R-22, R-134a, R-1234yf, R-290, R-404A, R-407C, R-410A, R-32, R-507			
Pressure Range	psi	-30 inHg to 720 psi		
Hose	in	Red 1/4" - 1/4" Yellow 1/4" - 1/4"		
Standard Length	ft	2x5'		

**NRM2B0201
NRM2B0202
NRM2B0301
NRM2B0302
Manifold Gauge**



**NRM1B0201
NRM1B0301
Manifold Gauge**



Precision • Impact-Resistant

Accurate

- Precision pressure gauge with Class 1.0 accuracy

Aluminum Body with Ball Valve Handle

- Reliable, efficient and durable
- Better work experience

Impact-Resistant

- Impact-resistant design
- Durable rubber cover

Folding Hook

- Hidden hook design, easy to transport

Model	NRM2B0201	NRM2B0202	NRM2B0301	NRM2B0302
Refrigerant Type	R-22, R-134a, R-410A		R-22, R-404A, R-410A	
	Φ 2-5/8			
Pressure Range	psi	-30 inHg to 800 psi -30 inHg to 500 psi		
	Red 1/4" - 1/4" Yellow 1/4" - 1/4" Blue 1/4" - 1/4"	No Hose	Red 1/4" - 1/4" Yellow 1/4" - 1/4" Blue 1/4" - 1/4"	No Hose
Standard Length	ft	3x5'	No Hose	3x5' No Hose

Precision • Impact-Resistant

Accurate

- Precision pressure gauge with Class 1.0 accuracy

Aluminum Body with Ball Valve Handle

- Reliable, efficient and durable
- Better work experience

Impact-Resistant

- Impact-resistant design
- Durable rubber cover

Folding Hook

- Hidden hook design, easy to transport

Model	NRM1B0201	NRM1B0301
Refrigerant Type	R-22, R-134a, R-410A	R-22, R-404A, R-410A
Gauge Diameter	in	Φ 2-5/8
Pressure Range	psi	-30 inHg to 800 psi
Hose	in	Red 1/4" - 1/4" Yellow 1/4" - 1/4"
Standard Length	ft	2x5'

N4A3H
Manifold Gauge

4 Valve



Precision • Impact-Resistant

Accurate

- Precision pressure gauge with Class 1.0 accuracy

Folding Hook

- Hidden hook design, easy to transport

Aluminum Body with Ball Valve Handle

- Reliable, efficient and durable
- Better work experience

4 Valve

- Easy to use

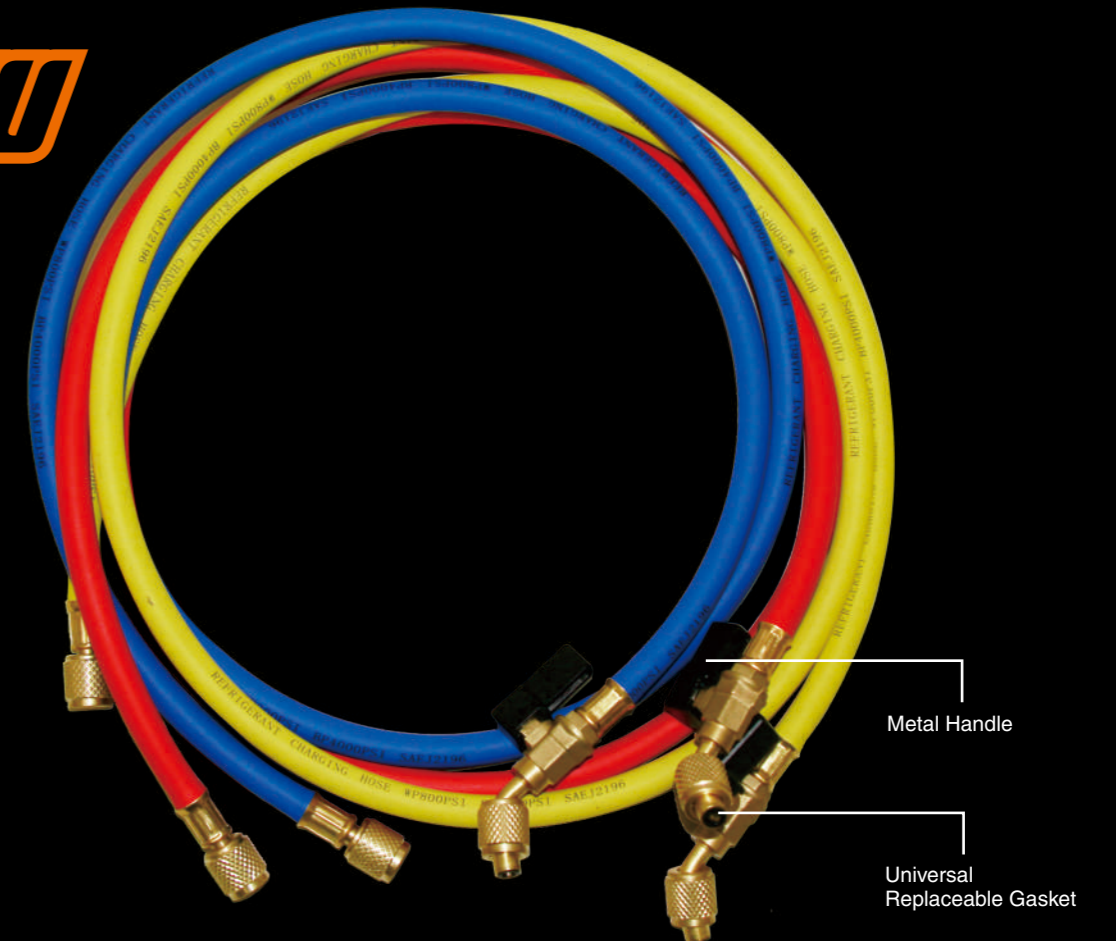
Impact-Resistant

- Impact-resistant design
- Durable rubber cover

Model	N4A3H	
Refrigerant Type	R-22, R-404A, R-410A	
Gauge Diameter	in	Φ 3-1/8
Pressure Range	psi	-30 inHg to 800 psi -30 inHg to 500 psi
Hose	in	Black 3/8" - 3/8" Red 1/4" - 1/4" Yellow 1/4" - 1/4" Blue 1/4" - 1/4"
Hose Length	ft	4x5'

NH5SC
Refrigerant Hose

NEW



1/4" Low-Loss Charging Hoses, 5 Ft Long

High Strength

- Low-loss ball valve
- Suitable for R-410A, R-134a, R-22 and other refrigerants
- 1/4" SAE fittings with 45° bend on one end
- Leak-proof eight-sided crimp
- 800 psi working pressure, 4000 psi burst pressure

Improved Design

- Metal valve handle
- Universal, replaceable gasket

Model	NH5SC		
Type	Red	Yellow	Blue
Pressure Scale	psi	0-800 psi	
Length	ft	5 ft	
Connector	in	1/4" - 1/4"	

NHB1
NHB2
NHB3

Big Boy High-Flow Evacuation Hoses



For best evacuation performance,
Use NAVAC Valve Core Removal Tool NVR 1

Evacuation Hose

Fast & Efficient

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

Model	NHB1	NHB2	NHB3
Length	6 feet	6 feet	6 inch
Diameter	1/2"	1/2"	1/2"
Fitting	3/8" to 1/4"	1/2" to 1/4"	1/2" to 1/2"

NTF66 NTF66C Flaring Tool

NAVAC Flaring Tools, with axial spacing and patented rivet connection, deliver consistent, accurate flaring each and every time. Nitride treatment makes them more robust and durable.

Leading Technology, Superior Quality, Best Experience.

Empowering You to Work Smarter



Accurate Flaring

Axial Spacing

- Ensuring accurate and consistent flaring

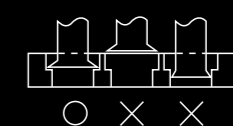
Internal Clutch

- Preventing over-torquing

Nitride Treatment

- Longer service life
- Robust and durable

Patented Annular Rivet Connection



Model	NTF66	NTF66C
Tubing OD	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"
Accessory	/	NTC11 (Cutter)

NEF6Li Cordless Power Flaring Tool

Equipped with high-performance, large capacity lithium battery, adjustable speed control and quick-connect, it makes flaring easy and enjoyable, while guaranteeing accurate and consistent flaring.

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Quick Accurate Flaring

Easy to Use

- High performance, large capacity lithium battery
- Variable speed
- Rechargeable
- No power supply needed

Speed and Accuracy

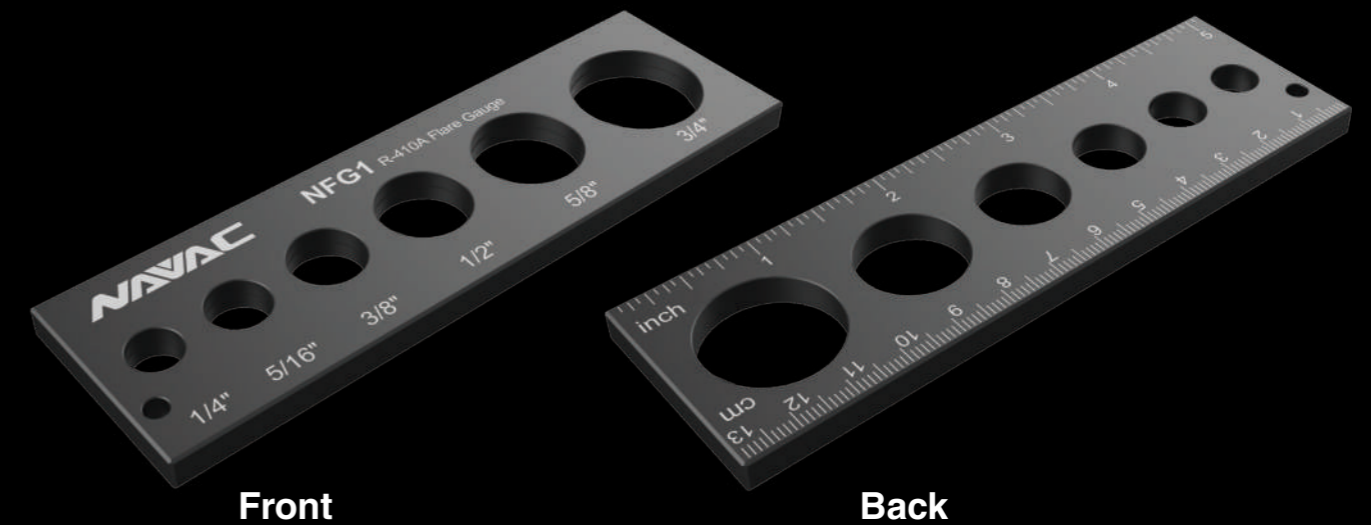
- Designed for harsh environments
- Quick and accurate
- High quality flares

Convenient for Narrow Space



Model	NEF6Li
Battery type	Li-Ion, 10.8V, 2.6Ah, 2 pcs
Tubing Type	Copper
Tubing OD	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"
Power	DC motor
Accessory	NTC11 (Cutter), NTD28 (Deburring Tool)
Weight	11.8 lbs

NFG1 Flare Gauge



Precise Measurement

Tube Sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"

For Precise Measurement of Tube Flares

NTE7 Tube Expander

NAVAC NTE7 Tube Expander, with its simple structure and foldable design, is convenient to carry and easy to use.

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Foldable, Easy to Carry

Easy to Expand

Easy to Carry

- Foldable design for portability

Easy to Use

- Simple structure for expanding copper tubing



Model	NTE7
Tube OD	3/8", 1/2", 5/8", 3/4", 7/8"

NTE11H Hydraulic Tube Expander



Easy To Expand

Hydraulic Expander

- Vacuum sealed hydraulic system, no oil change needed
- Easy to expand
- Suitable for large diameter copper

Compact

- Convenient for narrow spaces
- Easy to use

Easy One-Hand Operation

- Reduced labor and improved efficiency



Model	NTE11H
Tube OD	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"
Accessory	NTC13 (Cutter), NTD28 (Deburring Tool)

**NTC6
NTC11
NTC13
NTC15**

Tube Cutter

With sharp cutting blade, ball bearings and aluminum alloy body, it makes tube cutting easy and efficient.

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Easy to Cut

High-Quality Cutting Blade

- Sharp and durable

Ball Bearing

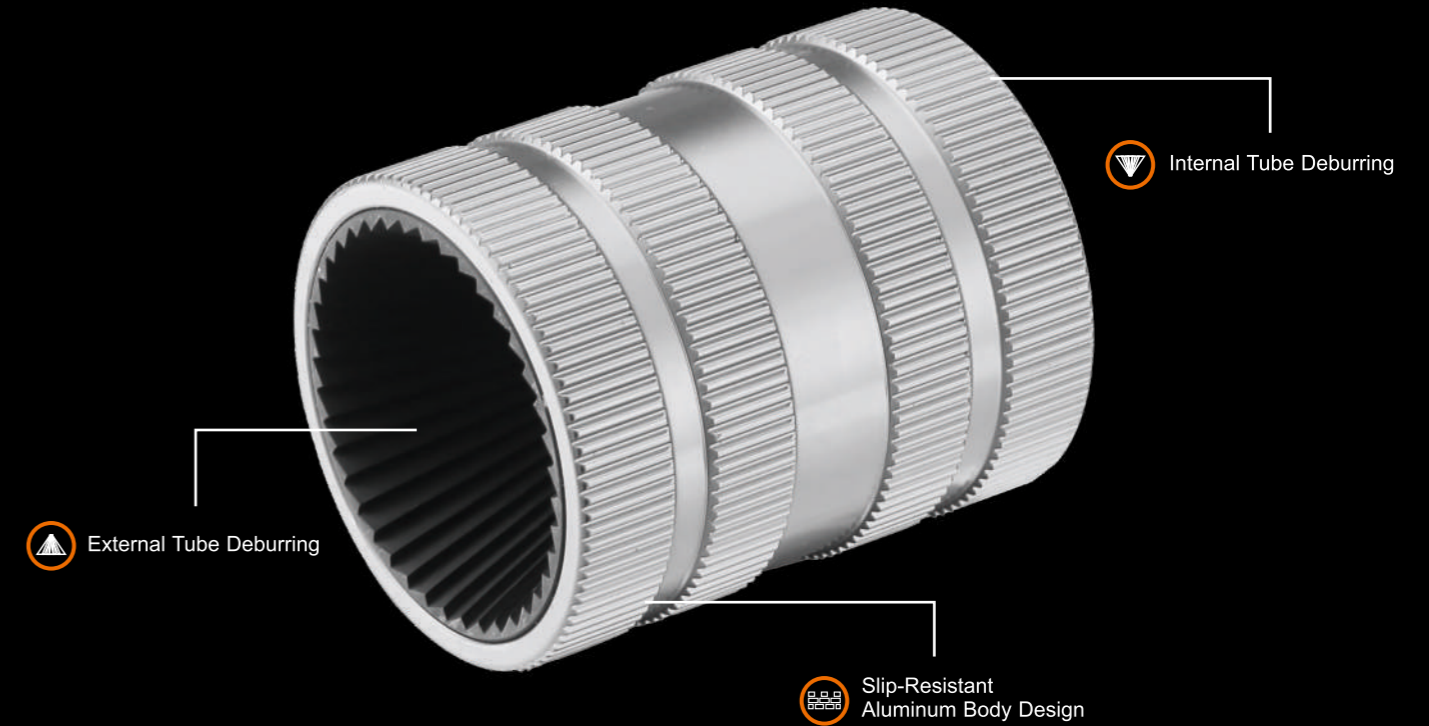
- Easy cutting and better quality
- Short cut for flare ends, saving copper

Aluminum Alloy

- Light weight, easy to carry and use

Model	NTC6	NTC11	NTC13	NTC15
Tube OD	1/8" ~ 3/4"	1/8" ~ 1-1/8"	1/8" ~ 1-3/8"	1/4" ~ 1-5/8"

**NTR14
Internal & External Reamer**



Easy to Deburr

Multi-Blade Alloy Steel Internal Surface

- Easy to deburr

Slip-Resistant Aluminum Body Design

- Light weight

Model	NTR14
Tube OD	1/8" ~ 1-5/8"

NTD28
Tube Deburring Tool



Easy to Deburr

- Replaceable Blades**
- 2 spare blades included

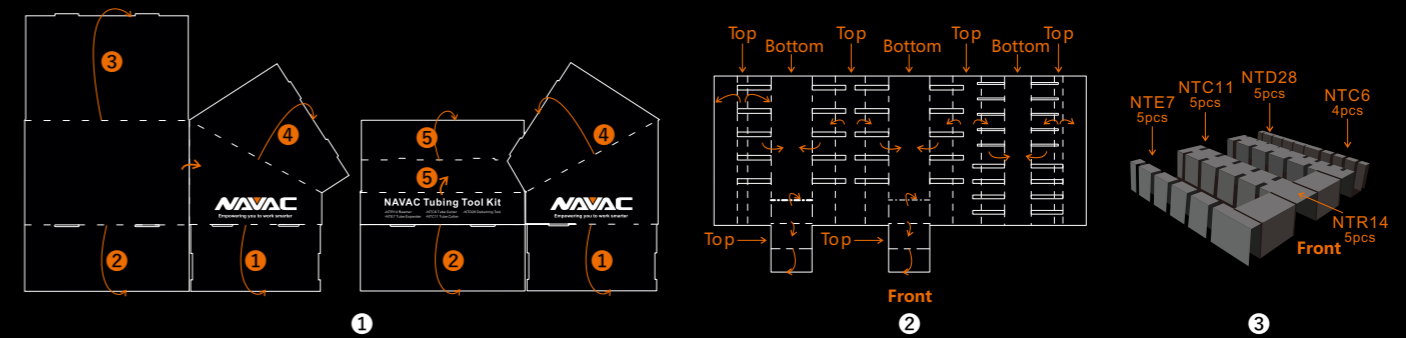
- Compact Design**
- Easy to carry

NTK1
Tubing Tool Kit



NAVAC Tubing Tool Kit

- NTR14 Reamer
- NTE7 Tube Expander
- NTC6 Tube Cutter
- NTC11 Tube Cutter
- NTD28 Deburring Tool



Your Favorite NAVAC Tubing Tools

Item	Description	Quantity
NTE7	Tube Expander, 7/8" Max OD	5
NTR14	Internal/External Reamer, 1-1/2" Max OD	5
NTC11	Tube Cutter, 1-1/8" Max OD	5
NTC6	Tube Cutter, 3/4" Max OD	4
NTD28	Tube Deburrer	5
MM014	2 sets of counter display cartons	1

Company Information:

NAVAC Inc. is a leading provider of advanced HVAC Tools. We offer highly differentiated vacuum pumps, recovery units, refrigerant charging machines, manifold gauges and other tools for HVAC service technicians to make their job easier, more efficient and enjoyable.

Legal Name: NAVAC Inc.
Tax ID Number: 82-2875341
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Lyndhurst, NJ 07071
Telephone: (201) 939-6699
Fax: (201) 939-3899
Web URL: www.NavacGlobal.com

Primary/Order Contact: Phone: (201) 939-6699, Fax: (201) 939-3899
Email: Order@NavacGlobal.com

Accounting Contact: Same as above

Electronic Payment Information for ACH:
Bank Name: Bank of America
Account Name: NAVAC Inc.
Account Type: Business Advantage Checking
Bank Account Number: 381050481822
State Where Opened: NJ
ABA Routing Number: 021200339

Remit Address(if not ACH):
Same as the Office Address in Lyndhurst, NJ.

Please make all checks payable to: NAVAC Inc.

