

OIL TEST MODE

ON SMART PUMP FOR EFFECTIVE EVACUATION AND ENVIRONMENT PROTECTION

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NP6DLM BreakFree[®] Cordless Vacuum Pump



Cordless · Powerful · Convenient

Faster Evacuation w/ Increased Capacity

- 6 CFM with large oil tank
- Residential and light commercial applications

Compact Design

- Easy to carry
- Easy to store

Automatic Power Management

- Optimized battery performance
- Extended operation up to 1 hour

Dual-Stage

• High ultimate vacuum down to 15 microns

Brushless DC Technology

- Light weight at 21 lbs
- Highly efficient

Other Features

- Backflow prevention check valve
- Isolation valve & Lifting hook

Model		NP6DLM	
Li-ion Battery		NBP2,18V, 9Ah	
Flow Rate	CFM	6	
Ultimate Vacuum	micron	15	
Pump Design		Dual-Stage, DC Motor	
Motor Power	HP	1/2	
Inlet Port	in	1/4", 3/8", 1/2" flare	
Oil Capacity	oz	14.1	
Dimension	in	15.1 × 4.9 × 10	
Weight	lbs	21.1	
Accessory		Carry Bag, NBP2 Battery, NC2 Battery Charger, Oil Bottle (Oil Not Suppl	ied)

2-YEAR WARRANTY







NP2D NP4D NP6D BreakFree[®] Cordless Vacuum Pump (Pump Only)





NP2D 2 CFM, 23 Microns



4 CFM, 15 Microns





Use Equivalent Dewalt Battery + Battery Adapter (Included)

Cordless Vacuum Pumps Go Battery-Less?!

Use Your Favorite Battery with NAVAC Pump!

- Compatible with Dewalt Batteries of similar spec
- Battery adapter included

Compact Design

- Easy to carry
- Easy to store

Automatic Power Management

- Optimized battery performance
- Extended operation

Dual-Stage

High ultimate vacuum

Brushless DC Technology

- Light weight
- Highly efficient

Other Features

- Backflow prevention check valve
- Isolation valve & Lifting hook

Model		NI	P2D		NP4D		NP6D	
Li-ion Battery Requirement		18	8V, 5Ah		18V, 9Ah		18V, 9Ah	
Flow Rate	CFM	2			4			
Ultimate Vacuum	micron	23	3		15		15	
Pump Design		Dı	Dual-Stage, DC Motor		Dual-Stage, DC Motor		Dual-Stage, DC Motor	
Motor Power	HP	1/	1/6		1/2		1/2	
Inlet Port	in	1/-	/4", 3/8" flare		1/4", 3/8", 1/2" flare		1/4", 3/8", 1/2" flare	
Oil Capacity	oz	5.4	4		8.8		14.1	
Dimension	in	7.	.7 × 3.5 × 7.6		10.3 × 4.8 × 9.5		11.8 × 4.4 × 9.4	
Weight	lbs	7	7 (no battery)		14.4 (no battery)		19.1 (no battery)	
Accessory			Carry Bag, NABA1 Dewalt Battery Adapter, Oil Bottle (Oil Not Supplied)					



NP5DP2 Vacuum Pump



Performance · Reliability

A2L Compatible

• Expanded application

Internal Check Valve

Prevent oil backflow

Dual-Stage Integrated Cylinder Design

- High ultimate vacuum
- High reliability

Forced Oil Circulation

- For fast and even oil distribution
- Improved efficiency and durability

Premium Pump Features

• Oil mist filter for noise and exhaust reduction

SERIE

- Gas ballast for moisture management
- Manual ball valve for vacuum preservation

Lifting Hook

• Safe & convenient for roof top use

Model		NP5DP2
Power Supply	V/Hz	115V / 60Hz
Flow Rate	CFM	
Run Load Amps	A	3.8
Ultimate Vacuum	micron	15
Pump Design		Dual-Stage, AC Motor
Motor Power	HP	3/4
Inlet Port	in	1/4", 3/8", 1/2" Flare
Oil Capacity	oz	17
Dimension	in	14 × 5 × 11.3
Weight	lbs	24.3



MASTER SERIES



NP8DS NP8DSV Smart Vacuum Pump *1*

Compatible with myNAVAC™ App



Smart Evacuation

- **Oil Health Test Mode for Effective Evacuation**
- One-touch oil check in 60 seconds
- Improved oil change practice
- Save money, save time, save environment *start*

Set It and Forget It

- Preset vacuum and decay targets
- Automatic decay testing with on-screen results
- Solenoid valve for vacuum preservation

Remote Vacuum Gauge

- True system vacuum measurement
- Vacuum gauge can be used standalone
- Automatic evacuation and decay test

Dual-Stage

- High ultimate vacuum
- Reliable performance

Bluetooth Connectivity

- Works wirelessly with myNAVAC[™] App <u>& NMV</u>1S Vacuum Gauge
- On-pump readings

Easy to Use

- Built-in vacuum gauge storage
- Lifting hook
- Prevent oil backflow

Model		NP8DS (Vacuum Gauge not Included)	NP8DSV (Vacuum Gauge Included)
Power Supply	V/Hz	115V / 60Hz	115V / 60Hz
Flow Rate	CFM	8	8
Ultimate Vacuum	micron	15	15
Pump Design		Dual-Stage, AC Motor	Dual-Stage, AC Motor
Motor Power	HP	3/4	3/4
Inlet Port		1/4", 3/8", 1/2" Flare	1/4", 3/8", 1/2" Flare
Oil Capacity	OZ	17.6	17.6
Dimension	in	14 × 5.1 × 11.7	14 × 5.1 × 11.7
Weight	lbs	28.6	29.0
Vacuum Gauge		No Vacuum Gauge	NMV1S Vacuum Gauge





SK2TP1 SK3TPH1 Smart Probe Kit





SK2TP1 Smart Refrigerant Diagnostics Kit

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SK3TPH1 Smart Refrigerant & Air Side Diagnostics Kit

Smart Charging & Comfort Diagnostics

Smart Probes with Digital Display

- Probes are suitable for standalone use
- Works wirelessly with myNAVAC[™] App
- High accuracy sensors
- Built-in digital screen

NSP1 Bluetooth Pressure Probes

- Auto VSAT / LSAT calculations thru App
- Rechargeable lithium battery
- Easy-to-Switch Knob, suitable for either High (HP) or Low (LP) Side

NST1 NST2 Bluetooth Temperature Clamps

- 1-5/8" opening
- High accuracy thermistor sensor
- Bluetooth connection with NEXUS Digital Manifold Gauge

NSH1 Bluetooth Psychrometers

- Detailed psychrometric datapoints
- Rechargeable lithium battery
- Easy-to-switch knob, suitable for either Side Supply (SP) or Return (RT)

Model	NST1 (Low Side)	NST2 (High Side)	NSP1	NSH1		
Description	Bluetooth Temperature Clamp	Bluetooth Temperature Clamp	Bluetooth Pressure Probe	Bluetooth Psychrometer		
Measuring Range	-40~257°F (-40~125°C)	-40~257°F (-40~125°C)	29~728 psi (-1~50 bar)	Humidity: 0~100% RH / Temp: -40~249.8°F		
Accuracy	± 2.3°F (± 1.3°C)	± 2.3°F (± 1.3°C)	± 0.5%	Humidity: ±2.0%RH (10 to 90%RH) (at 77°F) ±5.0%RH (<10%RH or >90%RH) (at 77°F) Temperature: ±1.1°F (-4°F~32°F) ±0.9°F (32°F~140°F) ±1.3°F (140°F~248°F)		
Resolution	0.1°F	0.1°F	0.01 psi	0.1%RH, 0.1°F		
Battery Type	2 x AAA	2 x AAA	Lithium Battery	Lithium Battery		
Unit Weight	5.6 oz	5.6 oz	7.8 oz	7.8 oz		





NSP1 Bluetooth Pressure Probe with Digital Display



Precision Pressure Measurement

Large Digital Display

- Standalone use as a digital pressure probe
- Works with or without myNAVAC[™] App
- Easy and accurate reading

Smart Functions

- Auto VSAT / LSAT calculations thru App
- Simultaneous pressure & temperature display
- Pressure decay test

Bluetooth Connectivity

Works wirelessly with myNAVAC[™] App

Accuracy and Fast Response

- High accuracy sensor
- One-button operation

Universal Temperature Clamp

• Easy-to-Switch Knob, suitable for either High (HP) or Low (LP) Side

Rechargeable Lithium Battery

- Up to 150 hours battery life w. battery indicator
- Optional auto power-off after 2 hours

Model	NSP1
Measurement Range	29~728 psi
Maximum Overload Pressure	928 psi (6500 kPa)
Accuracy	±0.5% of full range
Resolution	0.01 psi
Sensor Type	Ceramic pressure sensor
Bluetooth Range	100'
Power Supply	Rechargeable 1200mAh lithium battery, Type-C Charging Port
Rechargeable Battery Operating Time	Screen off: >200h; Screen on: >40h
Wireless Frequency	2.4 GHz
Auto Power Off (APO)	2 hours (can be disabled)
Minimum Device Requirement	BLE4.0 or above, Android 7.0.0 or above, Apple iOS 12.0 or above
Unit Weight	7.8 oz
Accessory	Carry bag





NSH1 Bluetooth Psychrometer with Digital Display



Precision Humidity Measurement

Detailed Psychrometric Datapoints

- Simultaneous display of Dry Bulb, Wet Bulb, Dew Point
- Simultaneous display of Relative Humidity, Absolute Humidity and Enthalpy

Universal Psychrometer

• Easy-to-switch knob, suitable for either Side Supply (SP) or Return (RT)

Large Digital Display

- Standalone use as a digital psychrometer
- Works with or without myNAVAC[™] App
- Easy and accurate reading

Accuracy and Fast Response

- High accuracy sensor
- One-button operation

Bluetooth Connectivity

Works wirelessly with myNAVAC[™] App

Rechargeable Lithium Battery

- Up to 150 hours battery life w. battery indicator
- Optional auto power-off after 2 hours

Model	NSH1
Measurement Range	Humidity: 0~100% RH / Temp: -40~249.8°F
Measurement Units	°F, °C, % RH (Relative Humidity), °Ftd (Dry Bulb Fahrenheit), °Ctd (Dry Bulb Celsius), Wet Bulb °F, Wet Bulb °C
Accuracy	Humidity: ±2.0%RH (10 to 90%RH) (at 77°F), ±5.0%RH (<10%RH or >90%RH) (at 77°F)
	Temperature: ±1.1°F (-4°F~32°F), ±0.9°F (32°F~140°F), ±1.3°F (140°F~248°F)
Resolution	0.1%RH, 0.1°F
Sensor Type	Humidity: Capacitive Polymer Film, Temperature: Precision Thermistor
Response Time	10 seconds
Bluetooth Range	100'
Power Supply	Rechargeable 1200mAh lithium battery, Type-C Charging Port
Rechargeable Battery Operating Time	Screen off: >200h; Screen on: >40h
Wireless Frequency	2.4 GHz
Auto Power Off (APO)	2 hours (can be disabled)
Flexible Probe	Length: 7.9", Diameter: 0.39"
Minimum Device Requirement	BLE4.0 or above, Android 7.0.0 or above, Apple iOS 12.0 or above
Unit Weight	7.8 oz
Accessory	Carry bag





NSTL Large Bluetooth Temperature Clamp with Digital Display



Precision Temperature Measurement

Large Opening

- 3/4" to 4-1/8" opening
- For residential, commercial and refrigeration applications

Accuracy and Fast Response

- High accuracy thermoelectric sensor
- Large contact surface

Large Digital Display

- Standalone use as a digital thermometer
- Works with or without myNAVAC[™] App
- Quick response with real-time display

Durability and Convenience

- Robust design, IP54 rating for dust and water resistance
- 2 x AAA battery included, up to 150 hours battery life
- Optional auto power-off after 2 hours

Bluetooth Connectivity

• Works wirelessly with myNAVAC[™] App

Universal Temperature Clamp

• Suitable for either High (HP) or Low (LP) Side

Model	NSTL
Measurement Range	-40~257°F (-40~125°C)
Accuracy	±2.7°F (±1.5°C)
Resolution	0.1°F
Sensor Type	Thermocouple (Nickel Chromium)
Pipe Size Compatibility	3/4" - 4-1/8" OD
Refresh Rate	1 time/second
Bluetooth Range	50m
Battery Type	2 x AAA
Battery Operating Time	Screen off: >150h; Screen on: >12h
Certification	CE, FCC, RoHS
Wireless Frequency	2.4 GHz
Minimum Device Requirement	BLE4.0 or above, Android 7.0.0 or above, Apple iOS 12.0 or above
Water Resistance	IP54
Unit Weight	9.7 oz
Accessory	Carry bag





SK2SV1 Smart Refrigerant Flow Control Kit





Automatic Refrigerant Charging & Recovery

NRS2A Smart Refrigerant Scale

- Precise measurement at 0.05% accuracy
- Magnesium alloy weighing platform
- Handheld device included
- Impact resistant design

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- Status indicator for Flow, Bluetooth Connection, and Power
- Fast, low-latency operation
- Rechargeable lithium battery
- Impact resistant design, IP54 rating

Model	NRS2A
Maximum load	220 lbs (100 kg)
Accuracy	0.05%F.S
Resolution	0.2 oz
Battery Type	$4 \times AA$ (Scale), $4 \times AAA$ (Handheld)
Battery Operating Time	150 Hrs (Scale), 65 Hrs (Handheld backlight off)
Weight	3.3 lbs
Accessory	Carry bag

Model	NSV1
Maximum Working Pressure	551 psi
Ports	1/12" (2 mm)
Operating Environment	14~122°F (-10~50°C)
Storage Temperature	14~122°F (-10~50°C)
Power Supply	Rechargeable 1000mAh lithium battery
Rechargeable Battery Operating Time	60 hours
Bluetooth Range	>30m
Dimensions	4.76"H × 3.62"W × 1.87"D
Unit Weight	1.33 lbs
Accessory	Carry bag





Compatible with myNAVACTM App

NRS2A **Smart Refrigerant Scale**



Smart Refrigerant Charging & Recovery

Bluetooth Connectivity

- Works wirelessly with myNAVAC[™] App and NSV1 smart valve
- Automatic charging & recovery

Integrated Handle Design

- Easy to carry
- Handheld device included

Precision System Charge

- Precise measurement at 0.05% accuracy
- Low latency for real-time readings

Magnesium Alloy Weighing Platform • 3.3 lbs only

- **Durability and Convenience**

Impact-resistant design

- Auto power off
- Model NRS2A Maximum load 220 lbs (100 kg) 0.05%F.S Resolution 0.2 oz Battery Type 4 × AA (Scale), 4 × AAA (Handheld) Battery Operating Time Handheld device: 65 hours typical alkaline (backlight off), Scale: 150 hours of typical alkaline Weight 3.3 lbs Accessory Carry bag

1-YEAR WARRANTY





NSV1 Smart Refrigerant Valve





Smart Refrigerant Flow Control

Precision Task Management

- Automatic charging & recovery
- Fast, low-latency operation

Rechargeable Lithium Battery

- Up to 60 hours battery life
- Battery indicator

Bluetooth Connectivity

 Works wirelessly with myNAVAC[™] App and NRS2A refrigerant scale

Durability and Convenience

- Impact resistant design, IP54 rating
- Compact design with folding hook

Smart Operation Solenoid Valve

• Status Indicator for Flow, Bluetooth Connection, and Power

Model	NSV1
Maximum Working Pressure	551 psi
Ports	1/12" (2 mm)
Operating Environment	14~122°F (-10~50°C)
Storage Temperature	14~122°F (-10~50°C)
Power Supply	Rechargeable 1000mAh lithium battery, Type-C Charging Port
Rechargeable Battery Operating Time	60 hours
Bluetooth Range	>30m
Dimensions	4.76"H × 3.62"W × 1.87"D (121 × 92 × 48 mm)
Unit Weight	1.33 lbs
Accessory	Carry bag



NVR2 Valve Core Removal Tool (VCRT)





Best VCRT Gets Better!

2 Sizes in 1 Tool

- 1/4" and 5/16" fittings in one tool
- Convenient and budget-friendly

Built to Last

Designed for high-pressure refrigerants including R410A

Vacuum Rated to 20 Microns

- Robust O-Rings for tough applications
- Replacement O-Rings included

Modern Finish for Sleek Aesthetic

Metal handle for durability

Model	
Accessory	1

NVR2 3 pieces of O-Rings

1-YEAR WARRANTY



NMT1200 Thermal Imaging Camera



Troubleshoot HVAC Systems Through A New Lens

High-Quality Imaging

- Highly sensitive vanadium oxide detector
- Distinctive thermal vision of the target

Quick Temperature Measurement

- Covers entire field of the target
- Highlight hot and cold spots

- 25 Hz Fast Refresh Frequency
- Smooth video and measurements
- Captures moving targets

Long Battery Life

• Up to 8 hours of continuous run time

Light Weight at 10.2 oz

- Compact design
- Easy to carry

Other Features

- Auto temperature range
- Laser pointer
- Quick start in 8 seconds
- Store and export images

Model	NMT1200
Ultra IR	240 x 240 (57,600 pixels)
IR Resolution	96 x 96 (9,216 pixels)
Image Frequency	25 Hz
Display	240 × 320 Resolution, 2.4"LCD Screen
Temperature Range	-4°F~1,022 °F (-20~550°C)
Accuracy	Max (±2°C/3.6°F, ±2%) at ambient temperature 25°C (77°F) and object temperature above 0°C (32°F)
Thermal Sensitivity(NETD)	< 50 mK (@ 25 °C, F#=1.0)
Battery Life	Approx. 8 hours
Measurement Presets	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion
1-YEAR WARRANTY	





N2DX Flex-X Manifold Gauge with HD Color Graphic Interface



Industry-First HD Color Graphic Manifold Gauge

Cutting-Edge Graphic User Interface (UI)

- Convert data into visuals with enhanced UI
- Visual impact and animation
- Outstanding clarity and readability

Rechargeable Lithium Battery

- Up to 100 hours battery life
- Auto power off (APO)

Ideal to Replace Multiple Analog Gauges

- One gauge for 72 refrigerants
- Save money, save space, save time

Aluminum Body with 1/4 Turn Ball Valve

- Impact-resistant rubber cover
- IP54 rating

Digital and Accurate

- <u>Class</u> 0.4 accuracy
- Quick response with real-time display
- Precision at a glance

Easy to Use

- One-knob operation
- Hidden hook design, easy to transport

Model	N2DX
Refrigerant Type	R-11, R-12, R-13, R-22, R-23, R-32, R-113, R-114, R-115, R-116, R-123, R-124, R-125, R134a, R-236fa, R-245fa, R-290, R-401A, R-401B, R-402A, R-402B, R-403B, R-404A, R-406A, R-407A, R-407B, R-407C, R-408A, R-409A, R-410A,R-413A, R-414A, R-414B, R-416A, R-417A, R-417C, R-420A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-427A, R-428A, R-434A, R-437A, R-438A, R-448A, R-449A, R-450A, R-452A, R-452B, R-453A, R-454B, R-458A, R-500, R-501, R-502, R-503, R-507A, R-508B,R-513A, R-600, R-600a, R-601a, R-744*, R-1233zd, R-1234yf, R-1234ze *Maximum pressure: 725 psi (5000 kPa)
Pressure Range	-29.0 inHg to 720 psi
Power Supply	Rechargeable 3000mAh lithium battery
Accessory	Carry Case
2-YEAR WARRAN	ТҮ





NCA10 Mini Condensate Pump



21dB ≈ Rustling Leaves



Ultra-Quiet & Durable

Ultra-Quiet Design

- Durable diaphragm pump
- Brushless DC motor

Compact Design

• Easy to hide inside the unit

Clogging Prevention

- Cleanable & replaceable built-in filter
- Large opening for condensate flow

Built-In Water Level Safety Sensor

- Highly reliable electrode sensor
- Three-piece sensor for overflow protection

Electrode Water Level Sensor



Easy to Use

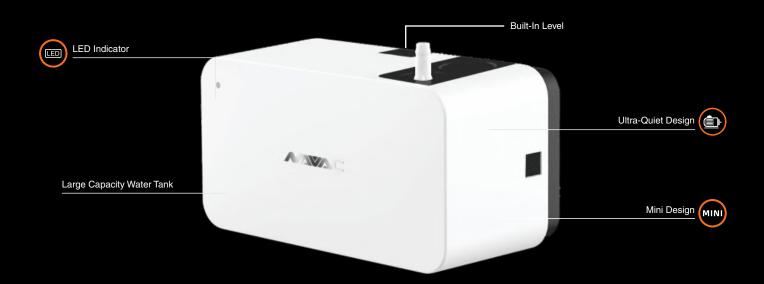
- Snap-on/off cover, easy to install & maintain
- 5' vinyl tube included
- Anti-siphon

Model	NCA10
Model	
Power Supply	100-240V/50-60 Hz
Flow Rate	10.6 GPH
Max. Lift	33 feet
Water Tank Capacity	1.69 fl oz. (50ml)
Noise Level at 1 meter	21 dBA
Applicable Ambient Temperature	32~122°F
Accessories	5' Vinyl Hose, Anti-Siphon Accessory, Installation Kit

1-YEAR WARRANTY



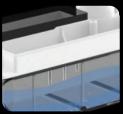
NCB10 Condensate Pump



21dB ≈ Rustling Leaves



Electrode Water Level Sensor



Ultra-Quiet & Sleek

Ultra-Quiet Design

- Durable diaphragm pump
- Brushless DC motor
- Noise absorption foam, preventing water condensation

Compact & Sleek

- Modern finish to match mainstream AC design
- Easy-to-hide & detachable power cable

Easy Maintenance

- Snap-on/off pan and cover
- Large opening for condensate flow

Built-In Water Level Safety Sensor

- Highly reliable electrode sensor
- Three-piece sensor for overflow protection

Easy to Use

- Built-in level
- Anti-siphon
- LED function light

Large Water Tank Capacity

- Minimizing runtime & extending life
- Energy saving

Model	NCB10
Power Supply	100-240V/50-60 Hz
Flow Rate	10.6 GPH
Max. Lift	39 feet
Water Tank Capacity	6.76 fl oz. (200ml)
Noise Level at 1 meter	21 dBA
Applicable Ambient Temperature	32~122°F
Accessories	Detachable Power Cable, Installation Kit



PK1 Folding Utility Knife



Easy to Use

Universal High-Strength Blade

- Quick blade-change mechanism
- Works with standard utility knife blades
- 3 extra blades included

Durable Aluminum Construction

Built-in Metal Belt Clip

Portable and easy to carry

Easy Operation

- One-hand press & flip to open
- Tool-less blade changes



PK2 2-IN-1 Compact Folding Knife



Compact & Versatile

Universal High-Strength Blade

- Quick blade-change mechanism
- Works with standard utility knife blades

Multi-Functional 2-in-1 Design

- Durable aluminum construction
- Safety liner lock

- **Built-in Metal Belt Clip**
- Portable and easy to carry

Compact Folded Design at 4" Long

Easy Operation

- Tool-less blade changes
- Press and push up for blade release