



Empowering you to work smarter



## NEXUS 2

NEW ERA OF SMART MANIFOLD GAUGE  
BEGINS WITH ENHANCED UI

»» Page 1

## FLEX 1

MANIFOLD GAUGE  
WITH HD COLOR  
GRAPHIC INTERFACE

 **GraphicUI**

»» Page 4

## POWER T3

WITH TYPE-C  
RECHARGEABLE BATTERY

»» Page 7

# 2026

## New Products



Empowering you to work smarter

# 2026

## New Products

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**Disclaimer:** This manual is provided as a preliminary preview of the new product. All contents, including images, descriptions, and data, are for reference purposes only and are not intended to represent final specifications or performance; actual products may vary as a result of ongoing product enhancements. NAVAC makes no guarantee, express or implied, regarding the accuracy or completeness of the information in this preview version. NAVAC reserves the right to modify, revise, or update any part of this manual prior to the product's official release without prior notice.







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Compatible with *myNAVAC™* App  
& *measureQuick®* App

## NEXUS 2

**Touch. Read. Master.** Introducing NEXUS 2, the next-generation manifold gauge built to elevate your workflow.

The NEXUS 2 is the ultimate manifold gauge every HVAC technician needs. With a true plug-and-play setup, simply hook up your hoses once and handle it all: diagnostics, charging, and evacuation — seamlessly in one device.

Whether working with legacy refrigerants like R22 or modern blends such as R454B, NEXUS 2 supports 100 refrigerants and stays future-ready with easy updates via the myNAVAC App. Engineered for toughness, it features a heavy-duty protective shell that safeguards both the sensors and the HD touchscreen, ensuring long-lasting durability. For added convenience and control, NEXUS 2 includes quarter-turn ball valves for faster operation and swivel hose ports to increase portability and flexibility in tight spaces.

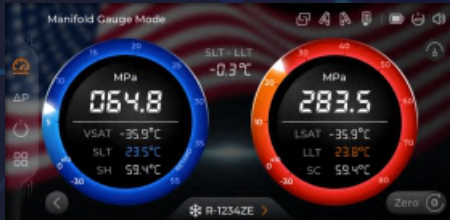
What truly sets NEXUS 2 apart is its user-first design. Visualization isn't just about looks — it's about streamlining workflows. Inspired by aviation-grade UI principles, the HD color touchscreen and enhanced interface make all three key functions more intuitive, visual, and precise: Manifold Gauge Mode, Leak Test Mode, and Evacuation Mode with decay test. And because usability goes hand in hand with personalization, NEXUS 2 offers four themes, including Daylight Mode for clear visibility under direct sun, and expect even more options with upcoming firmware updates.

**This isn't just a gauge that gets the job done. It's a gauge that makes the job better.**

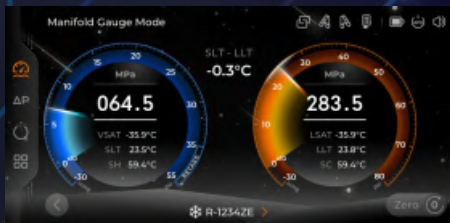
Leading Technology, Superior Quality, Best Experience.

**Empowering You to Work Smarter**

### America Theme



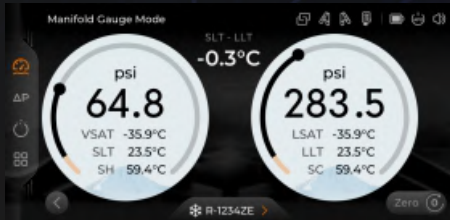
### Galaxy Theme



### NAVAC Classic Theme



### Daylight Theme



# NX1G NX1GV NEXUS 2 Digital Manifold Gauge

**PATENT PENDING**



## Touch • Read • Master

### Powerful Visual w/ HD Color Interface

- Choose your work style from four themes: Classic, America, Galaxy, Daylight
- Convert data into visuals with enhanced UI
- Self-explanatory interface
- Highly responsive 5.5" touch screen

### Rugged and Reliable

- Shock-absorbing corner protection
- Heavy-duty shell & aluminum body
- IP54 rated for harsh conditions

### Precision, Smart and Wireless

- Class 0.4 accuracy with digital display
- Bluetooth connections with temp clamps & micron gauge
- Work with myNAVAC App & MeasureQuick
- Supports over 100 refrigerants, updatable via App

### Ease of Use

- 1/4 turn ball valves & swivel ports
- Rechargeable lithium battery w/ quick charge
- Adjustable brightness

### Multiple Operation Modes

- Manifold Gauge mode with SH/SC display
- Leak Test mode
- Evacuation mode with decay test function
- Touchscreen navigation for faster operation

### Portability

- Multi-purpose carry case
- Folding hook for portability
- Extension canvas hook

Model	NX1G (Vacuum Gauge Not Included)	NX1GV (Vacuum Gauge Included)
Refrigerant Type	R11, R113, R114, R115, R116, R12, R1224yd(Z), R123, R1233zd, R1233zd(E), R1234yf, R1234ze, R1234ze(E), R1234ze(Z), R124, R1243zf, R125, R13, R134a, R1409A, R22, R23, R236fa, R245fa, R290, R32, R401A, R401B, R401C, R402A, R402B, R403A, R403B, R404A, R405A, R406A, R407A, R407B, R407C, R407D, R408A, R41, R410A, R410B, R411A, R411B, R412A, R413A, R414A, R414B, R415A, R415B, R416A, R417A, R417C, R420A, R421A, R421B, R422A, R422B, R422C, R422D, R424A, R427A, R428A, R434A, R437A, R438A, R447A, R447B, R448A, R449A, R450A, R451A, R451B, R452A, R452B, R452C, R453A, R454A, R454B, R454C, R455A, R456A, R458A, R459A, R459B, R460A, R460B, R500, R501, R502, R503, R507A, R508B, R513A, R600, R600a, R601, R601A Firmware can be updated at NAVAC website or with <b>MyNAVAC™</b> App	
Screen Configuration	IPS touch screen, 1024 x 512 pixel	
Ports	(3) 1/4" sae	
Maximum Manifold Pressure	1087 psi (7500 kPa)	
Bluetooth Range	260 ft (80m) line of sight	
Power Supply	Rechargeable 3000mAh lithium battery, 8~100 hours run time, Type-C charging port	
Language	English, Spanish, French	
Accessory	Bluetooth Temperature Clamps NST1 (Low Side), NST2 (High Side), Charging Cable, Storage Bag	NMV1S Vacuum Gauge in addition to the NX1G Kit

**2-YEAR WARRANTY**



# NX4G NX4GV NEXUS 2 Digital Manifold Gauge

PATENT PENDING

# 4 Valve



## Touch • Read • Master

### Powerful Visual w/ HD Color Interface

- Choose your work style from four themes: Classic, America, Galaxy, Daylight
- Convert data into visuals with enhanced UI
- Self-explanatory interface
- Highly responsive 5.5" touch screen

### Rugged and Reliable

- Shock-absorbing corner protection
- Heavy-duty shell & aluminum body
- IP54 rated for harsh conditions

### Precision, Smart and Wireless

- Class 0.4 accuracy with digital display
- Bluetooth connections with temp clamps & micron gauge
- Work with myNAVAC App & MeasureQuick
- Supports over 100 refrigerants, updatable via App

### Ease of Use

- 1/4 turn ball valves & swivel ports
- Rechargeable lithium battery w/ quick charge
- Adjustable brightness

### Multiple Operation Modes

- Manifold Gauge mode with SH/SC display
- Leak Test mode
- Evacuation mode with decay test function
- Touchscreen navigation for faster operation

### Portability

- Multi-purpose carry case
- Folding hook for portability
- Extension canvas hook

Model	NX4G (Vacuum Gauge Not Included)	NX4GV (Vacuum Gauge Included)
Refrigerant Type	R11, R113, R114, R115, R116, R12, R1224yd(Z), R123, R1233zd, R1233zd(E), R1234yf, R1234ze, R1234ze(E), R1234ze(Z), R124, R1243zf, R125, R13, R134a, R1409A, R22, R23, R236fa, R245fa, R290, R32, R401A, R401B, R401C, R402A, R402B, R403A, R403B, R404A, R405A, R406A, R407A, R407B, R407C, R407D, R408A, R41, R410A, R410B, R411A, R411B, R412A, R413A, R414A, R414B, R415A, R415B, R416A, R417A, R417C, R420A, R421A, R421B, R422A, R422B, R422C, R422D, R424A, R427A, R428A, R434A, R437A, R438A, R447A, R447B, R448A, R449A, R450A, R451A, R451B, R452A, R452B, R452C, R453A, R454A, R454B, R454C, R455A, R456A, R458A, R459A, R459B, R460A, R460B, R500, R501, R502, R503, R507A, R508B, R513A, R600, R600a, R601, R601A Firmware can be updated at NAVAC website or with <b>MyNAVAC™</b> App	
Screen Configuration	IPS touch screen, 1024 x 512 pixel	
Ports	(1) 3/8" sae for evacuation; (3) 1/4" sae for suction line, liquid line, and refrigerant recovery/charging	
Maximum Manifold Pressure	1087 psi (7500 kPa)	
Bluetooth Range	260 ft (80m) line of sight	
Power Supply	Rechargeable 3000mAh lithium battery, 8~100 hours run time, Type-C charging port	
Language	English, Spanish, French	
Accessory	Bluetooth Temperature Clamps NST1 (Low Side), NST2 (High Side), Charging Cable, Storage Bag	NMV1S Vacuum Gauge in addition to the NX4G Kit

2-YEAR WARRANTY

## N1DX

### Flex 1 Manifold Gauge with HD Color Graphic Interface

**PATENT PENDING**



## Palm-Sized HD Color Graphic Manifold Gauge

#### Cutting-Edge Graphic User Interface (UI)

- Choose your work style from five themes
- 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

- Palm-sized 2 valve configuration
- One gauge for 100 refrigerants
- Save money, save space, save time

#### Aluminum Body with 1/4 Turn Ball Valve

- Impact-resistant rubber cover
- IP54 rating

#### Digital and Accurate

- Class 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	N1DX
Refrigerant Type	R11, R113, R114, R115, R116, R12, R1224yd(Z), R123, R1233zd, R1233zd(E), R1234yf, R1234ze, R1234ze(E), R1234ze(Z), R124, R1243zf, R125, R13, R134a, R1409A, R22, R23, R236fa, R245fa, R290, R32, R401A, R401B, R401C, R402A, R402B, R403A, R403B, R404A, R405A, R406A, R407A, R407B, R407C, R407D, R408A, R41, R410A, R410B, R411A, R411B, R412A, R413A, R414A, R414B, R415A, R415B, R416A, R417A, R417C, R420A, R421A, R421B, R422A, R422B, R422C, R422D, R424A, R427A, R428A, R434A, R437A, R438A, R447A, R447B, R448A, R449A, R450A, R451A, R451B, R452A, R452B, R452C, R453A, R454A, R454B, R454C, R455A, R456A, R458A, R459A, R459B, R460A, R460B, R500, R501, R502, R503, R507A, R508B, R513A, R600, R600a, R601, R601A
Pressure Range	-29.0 inHg to 720 psi
Power Supply	Rechargeable 3000mAh Lithium Battery, Type-C charging port
Accessory	Storage Bag

**2-YEAR WARRANTY**



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Compatible with *myNAVAC™* App  
& *measureQuick®* App

## NSM1

### Bluetooth Manometer with Digital Display



## Precision Air Pressure Measurement

#### Large Digital Display

- Onboard static pressure
- Works with or without myNAVAC™ App
- Easy and accurate reading

#### Easy to Use

- Built-in magnet
- Tip direction indicator

#### 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 multiple pressure measuring points

#### Rechargeable Lithium Battery

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

Model	NSM1
Measurement Range	-8~64 inWC
Maximum Overload Pressure	400 inWC (100 kPa)
Accuracy	±0.02 inWC on 0.00~±2.00 inWC (±1.5% FS on ±2.00~±60.00 inWC)
Resolution	0.01 inWC, 0.1 mmWC, 0.01 mbar, 0.001 psig, 0.1 Pa, 0.0001 kPa, 0.001 Torr
Operating Environment	-4~122°F (-20 ~ 50°C), Relative Humidity<75%
Bluetooth Range	164 ft (50m) line of sight
Power Supply	Rechargeable 1200mAh Lithium Battery, Type-C Charging Port
Rechargeable Battery Operating Time	150h
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	7.6 oz
Accessory	Soft tube with brass adapter, static pressure probe with tube, gas detection adapter

1-YEAR WARRANTY

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Compatible with *myNAVAC™* App  
& *measureQuick®* App

## SK2TP1 SK3TPH1 SK4TPHM1 Smart Probe Kit



SK2TP1  
Smart Refrigerant Diagnostics Kit



SK3TPH1  
Smart Refrigerant & Air Side Diagnostics Kit



SK4TPHM1  
Smart Refrigerant & Air Side Diagnostics Pro 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

### NSH1 Bluetooth Psychrometers

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

### NST1 NST2 Bluetooth Temperature Clamps

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

### NSM1 Bluetooth Psychrometers

- Tip direction indicator
- Rechargeable lithium battery & built-in magnet
- Easy-to-switch knob, suitable for multiple measuring points

### 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

### Save Money & Space

- Compact carry bag
- Includes (2) 1/4" SAE Access Tee

Model	NST1 (Low Side)/NST2 (High Side)	NSP1	NSH1	NSM1
Description	Bluetooth Temperature Clamp	Bluetooth Pressure Probe	Bluetooth Psychrometer	Bluetooth Manometer
Measuring Range	-40~257°F (-40~125°C)	-29~725 psi (-1~50 bar)	Humidity: 0~100% RH / Temp: -40~249.8°F	-8~64 inWC
Accuracy	± 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)	±0.02 inWC on 0.00~±2.00 inWC (±1.5% FS on ±2.00~±60.00 inWC)
Resolution	0.1°F	0.01 psi	0.1%RH, 0.1°F	0.01 psi
Battery Type	2 x AAA	Rechargeable Lithium Battery	Rechargeable Lithium Battery	Rechargeable Lithium Battery
Bluetooth Range	450 ft (150m) line of sight	164 ft (50m) line of sight	164 ft (50m) line of sight	164 ft (50m) line of sight
Unit Weight	5.6 oz	7.8 oz	7.8 oz	7.6 oz

1 YEAR WARRANTY

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## NEF6L2

### BreakFree® Power Flaring Tool



## Quick Accurate Flaring · Ultra Light

- Complete a flare in 15 seconds
- Over 100 flares per charge
- Quick charge in 45 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 power indicator
- LED flash light



①



②



③



④



⑤

Model	NEF6L2
Battery Type	Rechargeable lithium battery, 7.2V 2Ah 14.4Wh, Type-C charging port
Tubing Type	Soft (HVACR) Copper
Tube OD	1/4", 3/8", 1/2", 5/8", 3/4", 5/16" (*clamp sold separately)
Weight	2.9 lbs (with battery)
Accessory	NBF3 Battery, Carry Case

3 YEAR WARRANTY

## NTE11L2

### BreakFree® Power Tube Expander



## Powerful, Quick & Accurate Expanding

- One-button operation
- Automatic pressure relief
- Quick connect heads
- Large capacity lithium battery
- Complete an expansion in 12 seconds
- Up to 200 expansions per charge
- Quick charge in 45 minutes
- Battery power indicator
- LED flash light

Model	NTE11L2
Battery Type	Rechargeable lithium battery, 7.2V 2Ah 14.4Wh, Type-C charging port
Tubing Type	Soft or Annealed Copper
Tube OD	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8" (*clamp sold separately)
Weight	3.4 lbs (with battery)
Accessory	NBF3 Battery, Carry Case

3-YEAR WARRANTY

## NTB7L2

### BreakFree® Power Tube Bender

PATENT PENDING



## Effortless & Quick Bending

### Battery-Driven Effortless Bending

- Powerful for large size tubing
- Push and hold for 90° bending
- Automatic tube release

### Large Lithium Battery

- Over 100 bends per charge
- Quick charge in 45 minutes

### Patented Tubing Size Selector

- 7 sizes in one selector
- Easy to switch to different tubing size setting

### Other Features

- Quick connect mandrel and crossbar
- Battery power indicator

### Easy Operation

- Ergonomic handle design
- Stop any time for customized angles

Model	NTB7L2
Battery Type	Rechargeable lithium battery, 7.2V 2Ah 14.4Wh, Type-C charging port
Tubing Type	Soft (HVACR) Copper
Tube OD	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"
Weight	6.2 lbs (with battery)
Accessory	NBF3 Battery, Carry Case

2-YEAR WARRANTY





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Ideal for Ducted  
AC Systems

## NCT145 Tank Pump



## Smart and Automatic Condensate Management

### Automatic Condensate Collection

- Durable centrifugal pump
- 23' maximum lift
- Brushless DC motor
- Rated for condensate water up to 160° F

### Built-In Water Level Safety Sensor

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

### Easy to Use

- Automatic self-cleaning function
- Manual drain for forced discharge
- 4 Indicator lights for quick status check
- Built-in level for easy installation

### Large Water Tank Capacity

- 1/2-gallon translucent water tank for fast inspection
- Minimizing runtime, extending life & energy saving

### Easy Maintenance

- Snap-on/off cover
- Detachable 3-conduct power cable and 2-conduct signal cable
- Cleanable built-in filter

### Quick Discharge

- Four 1" inlet opening with 3 poly covers
- 3/8" OD discharge port with built-in check valve

Model	NCT145
Power Supply	100-240V / 50-60 Hz
Flow Rate	145 GPH
Max. Lift	23 feet
Water Tank Capacity	0.5 gallon
Noise Level at 1 meter	45 dB(A)
Applicable Ambient Temperature	160°F (70°C)
Certification	CSA, CE
Accessories	3 cable ties, Detachable Power Cable, 16' Water Pipe

1-YEAR WARRANTY

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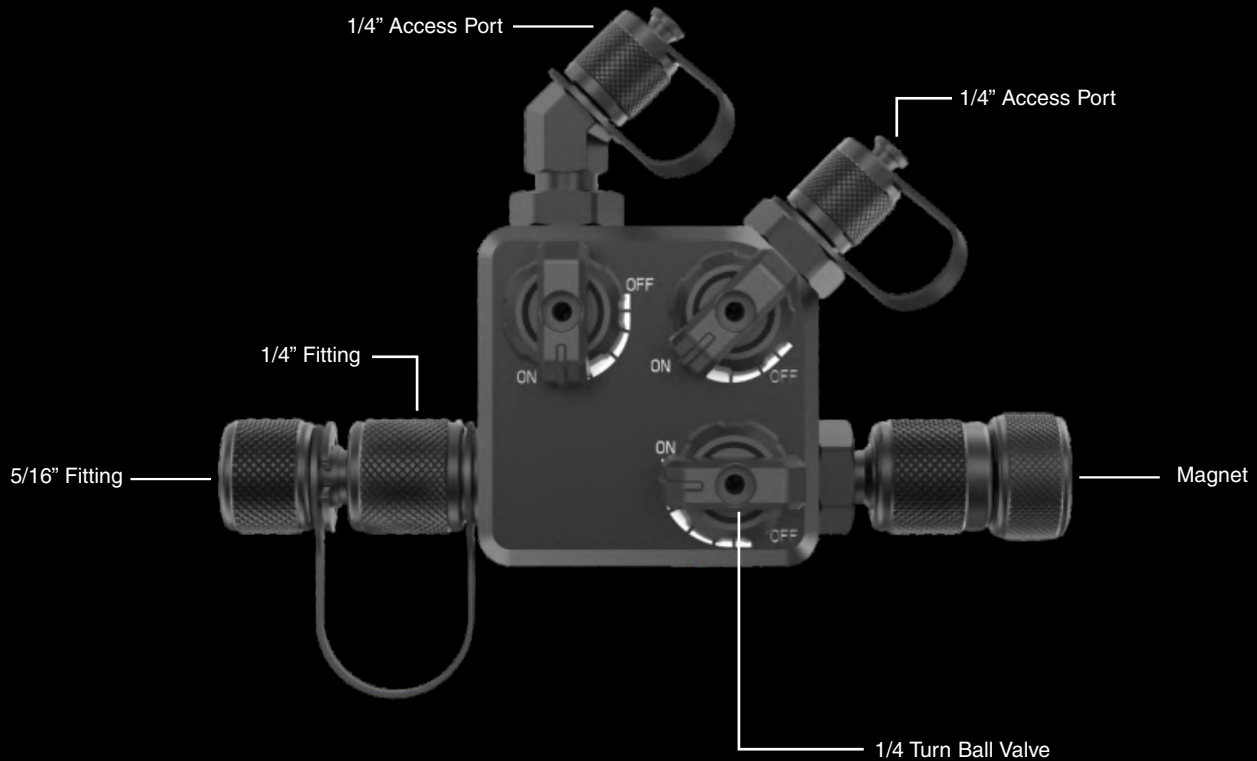
## NVR3

### Tri-Port Valve Core Removal Tool (VCRT)



*Recovery, Evacuation & Charging*

**3** Ports in 1 tool



## Industry's First 3-Valve Multi-Process Core Removal Tool

### 3 Ports, 2 Sizes, 1 Tool

- Charging, Purging, Recovery, Evacuation, Leak-Testing without removing any hoses
- 1/4" and 5/16" fittings in one tool
- Facilitate triple evacuations

### 3 Ports, 3 Ball Valves

- Hose or gauge isolation prevents cross contamination and pressure damage
- Robust 1/4 turn ball valves for precision flow control

### Built to Last

- Built to work with most refrigerants, including A2L
- Rugged internal components for tough applications
- Metal handles for durability

### Modern Features, Sleek Aesthetic

- Sleek matte black finish
- Tactile knurling for maximum grip while wearing gloves
- Strong magnetic stem base keeps valve core off the ground

Model	NVR3
Accessory	3 O-Rings
Dimension	1.6" x 3.6" x 5.5"

1 YEAR WARRANTY

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NH5SLL  A2L  
Compatible

NH5LLB

NH5LLR

NH5LLY

Low Loss Refrigerant Hoses



Charging & Recovery

NH5SLL



F2010

A2L Adapter included



A2L  
Compatible

NH5LLR



NH5LLB



NH5LLY



FHLL1

Low Loss Fitting 45°

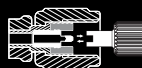
## 1/4" Low Loss Color Hoses, 5 Ft Long

### High Strength

- Low loss connector to prevent refrigerant loss
- Suitable for R-410A, R-134a, R-22 and other refrigerants
- 1/4" SAE fittings with 45° bend on low loss end
- 4000 psi burst pressure
- 800 psi working pressure

### Improved Design

- Built-in roller bearing for easy connection & longer service life
- Universal, replaceable gasket
- NH5SLL kit Includes F2010 adapter, A2L compatible



The valve core depressor can be adjusted up or down to optimize its access to valve core. Use a valve core depressor adjuster to turn the depressor. To lower, turn clockwise; to raise, turn counterclockwise.



Model		NH5SLL	NH5LLR	NH5LLY	NH5LLB
Color		3 Hoses, Red, Yellow, Blue	1 Hose, Red	1 Hose, Yellow	1 Hose, Blue
Pressure Scale	psi	0-800 psi			
Length	ft	5			
Connector	in	1/4" - 1/4"			

1 YEAR WARRANTY

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# NBX1 NBX101 NBX102 NBX103 Modular Service Tool Storage System



## Organization · Mobility · Strength

### Modular Storage Solution

- Interlocking, stackable design for modular connectivity
- Removable accessory(s) for customized organization
- IP65-rated water resistance

### NAVAC Lifestyle

- Signature black & orange finish
- Tailored to multiple NAVAC tool storage plans
- Compact design for tighter places

### Portability and Durability

- Impact resistant PP/ABS materials
- Fully collapsible rolling box handle
- Handles on both top and front (NBX101, NBX1)
- Foot lever for easy transportation

Model	NBX1	NBX101	NBX102	NBX103
Description	Modular Storage System 3-Piece Kit	Modular Service Tool Case - Medium	Modular Service Tool Case - Large	Modular Service Tool Case - Roller
Length	17.5 in	17.5 in	17.5 in	17.5 in
Width	16.2 in	13 in	13 in	16.2 in
Height (no handle)	30.5 in	6 in	11.3 in	30.5-38.7 in
Height (w/ handle)	14.3 in	/	/	24.3-38.7 in
Weight	28.8 lbs	5.1 lbs	7 lbs	16.7 lbs
Material Composition	PP, ABS, Rubber, Steel Accessories, TPE			
IP Rating	IP65			
Accessories Included	All of the NBX101, 102, 103	2 long, 2 short removable dividers	1 removable tool holder	1 removable tool tray

1-YEAR WARRANTY

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