



Making Your Job More Enjoyable

2026 VALUE.V1.0



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Version: Y26M03

VP8DS

VP8DSV

Smart Vacuum Pump

Smart Evacuation

Bluetooth Connectivity

- Works wirelessly with Hi VALUE App & VMV1S Vacuum Gauge
- On-pump readings

Oil Health Test Mode for Effective Evacuation

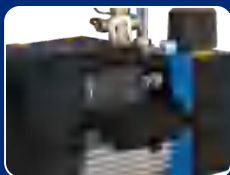
- One-touch oil check in 60 seconds
- Improved oil change practice
- Save money, save time, save environment

Remote Vacuum Gauge

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



Hi VALUE APP



Optional Vacuum Gauge



Built-in Oil Test Mode

Model		VP8DS	VP8DSV
Power Supply		230V~/50-60Hz	230V~/50-60Hz
Flow Rate		8 CFM	8 CFM
		226 L/min	226 L/min
Ultimate Vacuum	Partial Pressure	2x10 ¹ Pa	2x10 ¹ Pa
	Total Pressure	15 micron	15 micron
Pump Design		Dual-stage	Dual-stage
Motor Power		3/4 HP	3/4 HP
Inlet Port		1/4", 3/8", 1/2" SAE	1/4", 3/8", 1/2" SAE
Oil Capacity		426 ml	426 ml
Dimension		355x127x298 mm	355x127x298 mm
Weight		12.5 kg	12.7 kg
Vacuum Gauge		/	VMV1S Vacuum Gauge

VRP-2DE

VRP-2SE

Li-battery Vacuum Pump

Portable and Light

Mini Design

- Easy-to-use & portable

DC Motor

- Lighter weight, more powerful, Faster evacuation



Recommended for use with
VALUE lithium battery (VB520)



Use Your Favorite Battery

Model		VRP-2DE	VRP-2SE
Flow Rate		2.0 CFM	2.0 CFM
		57 L/min	57 L/min
Ultimate Vacuum	Partial Pressure	0.3 Pa	2 Pa
	Total Pressure	23 micron	150 micron
Pump Design		Dual-stage	Single-stage
Inlet Port		1/4" SAE	1/4" SAE
Oil Capacity		160 ml	180 ml
Running time		50 min	75 min
Dimensions		233×90×190 mm	233×90×190 mm
Weight		2.6 kg	2.1 kg

VRP-2DE*Li*/2SE*Li*

Li-battery Vacuum Pump

Suit for R32, 1234yf

Compact • Convenient

- Mini Design

 - Easy-to-use & portable
- High Performance Lithium Battery

 - Dual Stage Running time reaches 50 minutes
 - Single Stage Running time reaches 75 minutes
- DC Motor

 - Lighter weight, more powerful, Faster evacuation



Forced oil cycling system



20V^{MAX}
LITHIUM

5.0^{Ah}

Lithium Battery

Model		VRP-2DE <i>Li</i>	VRP-2SE <i>Li</i>
Flow Rate		2.0 CFM	2.0 CFM
		57 L/min	57 L/min
Ultimate Vacuum	Partial Pressure	0.3 Pa	2 Pa
	Total Pressure	23 micron	150 micron
Pump Design		Dual-stage	Single-stage
Inlet Port		1/4" SAE	1/4" SAE
Oil Capacity		160 ml	180 ml
Voltage		18V	18V
Charging time (0-100%)		90 min	90 min
Running time		50 min	75 min
Dimensions		233×90×190 mm	233×90×190 mm
Weight		3.2 kg	2.7 kg

VRP-4DE/4DE*Li*

Li-battery Vacuum Pump

Suit for R32, 1234yf

Cordless • Powerful • Convenient

- Mini Design

 - Easy-to-use & portable
- High Performance Lithium Battery

 - Running time reaches 50 minutes
- DC Motor

 - Lighter weight, more powerful, Faster evacuation



Forced oil cycling system



20V^{MAX}
LITHIUM

9.0^{Ah}

Lithium Battery

Model		VRP-4DE	VRP-4DE <i>Li</i>
Flow Rate		4.0 CFM	4.0 CFM
		114 L/min	114 L/min
Ultimate Vacuum	Partial Pressure	2x10 ⁻¹ pa	2x10 ⁻¹ pa
	Total Pressure	15 micron	15 micron
Pump Design		Double-stage	Double-stage
Inlet Port		1/4", 3/8" SAE	1/4", 3/8" SAE
Oil Capacity		260 ml	260 ml
Voltage		18V	18V
Charging time		150 min	150 min
Running time		89 min	89 min
Dimensions		316×112×242 mm	316×112×242 mm
Weight		6.1 kg	7 kg

VRP-15D Vacuum Pump

Double Speed, Super Vacuum Performance

Industrial Grade Design

- High Quality, Super High Vacuum
- High Evacuation Performance

Integrated Dual Stage Pump

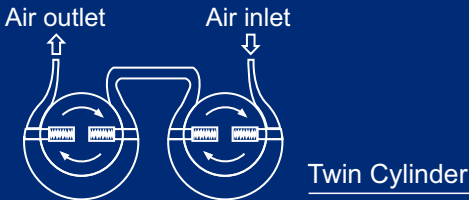
- High Vacuum Level

Oil Back Flow Prevention

- No system oil contamination during power failure

Anti-suckback *Built-in automatic anti-suckback valve*

High Performance Oil Mist Filter



Model	VRP-15D	
Power Supply	230V/50-60Hz	
Flow Rate	15 CFM	
	420 L/min	
Ultimate Vacuum	Partial Pressure	0.67 Pa
	Total Pressure	5 micron
Pump Design	Dual-stage	
Motor Power	3/4 HP	
Inlet Port	1/4", 3/8", 1/2" SAE	
Oil Capacity	880 ml	
Dimensions	414x152x310 mm	
Weight	15 kg	

VRP-15D inverter drive dual-stage rotary vane vacuum pumps are used to remove air, moisture, and other non-condensables from sealed HVACR systems. The products can be used for evacuation of HVACR repair and new installations, with refrigerants including CFC,HFC, such as R-12, R-22, R-410A, R-404A, R-32, R-134A, 1234yf.etc.

V-i2120 R32 Only Vacuum Pump

Suitable for R32, 1234yf refrigerant

High Reliability

High Efficiency Motor

- More efficient
- Higher ultimate vacuum

Large Oil Screen

- Better visibility

Large oil screen

High efficiency motor



Only **11.5kg**

Model	V-i2120
Flow Rate	12 CFM
	340 L/min
Partial Pressure	2x10 ⁻¹ Pa
Total Pressure	15 micron
Power	1 HP
Inlet Port	1/4" & 3/8" SAE
Oil Capacity	500 ml
Dimensions	345x135x280 mm
Weight	11.5 kg

N Series

Vacuum Pump

Suitable for R407C, R404A, R507A, R134a refrigerant

High Reliability

Integrated Body Structure

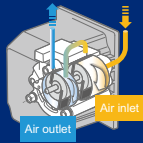
- Higher precision
- Higher ultimate vacuum

Forced Oil Cycling System

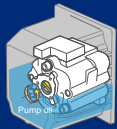
- High reliability

Large Oil Screen

- Better visibility



Integrated body structure
Higher precision
Higher ultimate vacuum



Forced oil cycling system
High reliability



N Series

Vacuum Pump

Suitable for R407C, R404A, R507A, R134a refrigerant

High Reliability

Integrated Body Structure

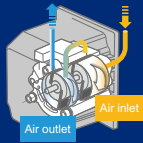
- Higher precision
- Higher ultimate vacuum

Forced Oil Cycling System

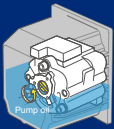
- High reliability

Large Oil Screen

- Better visibility



Integrated body structure
Higher precision
Higher ultimate vacuum



Forced oil cycling system
High reliability



Single Stage

Model		VE115N	VE125N	VE135N	VE160N	VE180N
Flow Rate	50Hz	1.8 CFM 51 L/min	2.5 CFM 70 L/min	3.5 CFM 100 L/min	6.0 CFM 170 L/min	8.0 CFM 226 L/min
	60Hz	2.0 CFM 57 L/min	3.0 CFM 84 L/min	4.0 CFM 113 L/min	7.0 CFM 198 L/min	9.0 CFM 254 L/min
Ultimate Vacuum	Partial Pressure	2 Pa	2 Pa	2 Pa	2 Pa	2 Pa
	Total Pressure	150 micron	150 micron	150 micron	150 micron	150 micron
Power		1/4 HP	1/4 HP	1/3 HP	1/2 HP	3/4 HP
Inlet Port		1/4" SAE	1/4" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE
Oil Capacity		250 ml	250 ml	250 ml	415 ml	660 ml
Dimensions		290x124x224 mm	290x124x224 mm	318x124x234 mm	338x138x244 mm	395x145x257 mm
Weight		6.6 kg	7.1 kg	8.0 kg	9.9 kg	14.6 kg

Dual Stage

Model		VE215N	VE225N	VE245N	VE260N	VE280N	VE2100N
Flow Rate	50Hz	1.5 CFM 42 L/min	2.5 CFM 70 L/min	4.5 CFM 128 L/min	6.0 CFM 170 L/min	8.0 CFM 226 L/min	10.0 CFM 283 L/min
	60Hz	1.8 CFM 50 L/min	3.0 CFM 84 L/min	5.0 CFM 142 L/min	7.0 CFM 198 L/min	9.0 CFM 254 L/min	12.0 CFM 340 L/min
Ultimate Vacuum	Partial Pressure	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa
	Total Pressure	15 micron	15 micron	15 micron	15micron	15 micron	15 micron
Power		1/4 HP	1/3 HP	1/2 HP	3/4 HP	1 HP	1 HP
Inlet Port		1/4" SAE	1/4" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE
Oil Capacity		200 ml	200 ml	325 ml	580 ml	500 ml	590 ml
Dimensions		308x124x224 mm	318x124x234 mm	338x138x244 mm	395x145x257 mm	395x145x257 mm	395x145x257 mm
Weight		7.5 kg	8.5 kg	10.4 kg	15.8 kg	16.2 kg	16.7 kg

Dual Stage

Model		VE215ND	VE225ND	VE245ND
Flow Rate	50Hz	1.5 CFM 42 L/min	2.5 CFM 70 L/min	4.5 CFM 128 L/min
	60Hz	1.8 CFM 50 L/min	3.0 CFM 84 L/min	5.0 CFM 142 L/min
Ultimate Vacuum	Partial Pressure	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa
	Total Pressure	15 micron	15 micron	15 micron
Power		1/4 HP	1/3 HP	1/2 HP
Inlet Port		1/4" SAE	1/4" SAE	1/4" & 3/8" SAE
Oil Capacity		200 ml	200 ml	325 ml
Dimensions		318x124x234 mm	318x124x234 mm	338x138x244 mm
Weight		8.5 kg	8.5 kg	10.4 kg

Model		VE260ND	VE280ND	VE2100ND
Flow Rate	50Hz	6.0 CFM 170 L/min	8.0 CFM 226 L/min	10.0 CFM 283 L/min
	60Hz	7.0 CFM 198 L/min	9.0 CFM 254 L/min	12.0 CFM 340 L/min
Ultimate Vacuum	Partial Pressure	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa
	Total Pressure	15micron	15 micron	15 micron
Power		3/4 HP	1 HP	1 HP
Inlet Port		1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE
Oil Capacity		580 ml	500 ml	590 ml
Dimensions		395x145x257 mm	395x145x257 mm	395x145x257 mm
Weight		15.8 kg	16.2 kg	16.7 kg

Built for Flammable Refrigerants

*Suitable for R290, R600a.



VA3-P7-EX Vacuum Pump

Safety • Reliability



ATEX-Certified

Sparkless, Ignition-Proof Design

- Conform to ATEX CSANe 22ATEX1160X
- Suitable for R290, R600a

Dual-Stage Integrated Cylinder Design

- High ultimate vacuum
- High reliability

Forced Oil Circulation

- Improved efficiency and durability



Sparkless
Power Supply

ATEX-Certified* A1 A2L A2 A3 R290, R600a etc.

Model		VA3-P7-EX
Power Supply		230V/50-60Hz
Flow Rate	50 Hz	6.0 CFM 170 L/min
	60 Hz	7.0 CFM 198 L/min
Ultimate Vacuum	Partial Pressure	2 Pa
	Total Pressure	15 micron
Pump Design		Dual stage
Motor Power		3/4 HP
Inlet Port		1/4" & 3/8" SAE
Oil Capacity		426 ml
Dimensions		346×130×287 mm
Weight		12.6 kg

*ATEX No.: CSANe 22ATEX1160X

VRDDF
Recovery Unit

Safety • Reliability

Designed for R290, R600a

- Design reference to UL 121201, CSA C22.2 No. 213 and EN 60079-7 Standards

Fast and Efficient Recovery

- Brushless DC motor
- Twin cylinder with 2-row oversized condenser

IP54 Design

- Tested to be waterproof and dustproof

Sparkless
Power Supply



ATEX-Certified*
A1 A2L A2 A3
R290, R600a etc.

Model		VRDDF		
Refrigerant		Categorys III: R12, R134a, R401C, R500, 1234yf, R600a		
		Categorys IV: R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509, R290		
		Categorys V : R402A, R404A, R407A, R407B, R410A, R507, R32, R507		
Power Supply		220-240V~50/60Hz	115V/60Hz	
Motor		Brushless DC motor 1HP		
Motor Speed		3000 rpm		
Maximal Current Draw		6.5 A	12 A	
Compressor		Oil-less, Air-cooled, Piston style		
Automatic Safety Shut-Off		38.5bar/3850kPa(558psi)		
Recovery Rate (kg/min)		Categorys III	Categorys IV	Categorys V
	Vapor	0.43	0.54	0.54
	Liquid	3.60	4.00	4.20
	Push/Pull	7.50	8.50	9.50
Operating Temperature		0 °C-40 °C		
Dimensions		370×250×297 mm		
Weight		11 kg		

*ATEX No.: CSANe 22ATEX1032X

VA3-F-EX
Explosion-proof Fan **NEW**

Safety • Reliability

Sparkless, Ignition-Proof Design

- Suitable for R290, R600a

ECM Motor Design

- Electrically integrated control unit
- High reliability

Low-noise Design

- Noise reducing fan blades

High Speed Rotation

- Dilute A3 refrigerant concentration faster

Sparkless
Power Supply



ECM Motor

ATEX-Certified*
A1 A2L A2 A3
R290, R600a etc.

Model	VA3-F-EX
Voltage	220~240 V
Input Power	32 W
Air Volume	550 m³/h
Applicable Ambient Temperature	-30~50 °C
Power Cord Length	5 m
Dimensions	320x420x190 mm
Weight	7.5 kg

Noise Reducing
Fan Blades



VRR12N/24N VRR24N-OS Recovery Unit

Light • Fast

Oil-Free Compressor

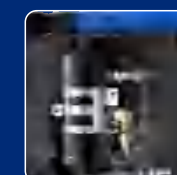
- Suitable for all common refrigerants

DC Brushless Motor

- Lighter, faster

Fast and Efficient Recovery

- 2-Cylinder
- 3-row oversized condenser
- Large fan



Built-in Oil Separator
(VRR24N-OS)

 2 - Cylinder

Only **8.9** VRR12N **kg**

Model		VRR12N(single-cylinder)			VRR24N(2-Cylinder) / VRR24N-OS		
Refrigerant		Category III: R-12, R-134a, R-1234YF, R-401C, R-406A, 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-143A, R-32, R-402A, R-404A, R-407A, R-407B, R-410A, R-454B, R-507					
Power Supply		220-240V~50/60Hz					
Motor		Brushless DC motor 1HP					
Motor Speed		3000 rpm					
Maximal Current Draw		5 A			7.5 A		
Compressor		Oil-less, Air-cooled, Piston style					
Automatic Safety Shut-Off		38.5bar/3850kPa(558psi)					
Recovery Rate (kg/min)		Categorys III	Categorys IV	Categorys V	Categorys III	Categorys IV	Categorys V
	Vapor	0.22	0.28	0.28	0.44	0.55	0.55
	Liquid	1.76	1.98	2.42	3.30	3.85	3.85
	Push/Pull	5.06	6.16	6.93	8.25	9.35	10.45
Operating Temperature		0°C-40°C					
Dimensions		310×240×245 mm					
Weight		8.9 kg			9.2 kg		

VRR24M-C

Recovery Unit

Light • Fast

Micro Channel Condenser

- Fast recovery
- Better cooling performance compare to traditional condenser

Oil-free Compressor

- Suitable for all commonly used refrigerants

Self-purge Function

- Prevent mixing of various refrigerants



Double Condenser



Model		VRR24M-C		
Refrigerant		Categories III : R12, R134a, R401C, R500, 1234yf Categories IV : R22, R401A, R401B, R402B, R407C, R407D, R408A,R409A,R411A R411B,R412A,R502,R509 Categories V : R402A,R404A,R407A,R407B,R410A,R507,R32		
Power Supply		220-240V~50/60Hz	115V~/60Hz	
Motor		Brushless DC motor 1HP		
Motor Speed		3000 rpm		
Maximal Current Draw		6.5 A	12 A	
Compressor		Oil-less, Air-cooled, Piston style		
Automatic Safety Shut-Off		38.5bar/3850kPa(558psi)		
Recovery Rate (kg/min)		Categories III	Categories IV	Categories V
	Vapor	0.43	0.54	0.54
	Liquid	3.60	4.00	4.20
	Push/Pull	7.50	8.50	9.50
Operating Temperature		0 °C-40 °C		
Dimensions		370×250×297 mm		
Weight		11 kg		

VRR36C4

Recovery Unit

Fastest • Most Powerful

4-Cylinder

- More powerful

Super-Efficient Condenser

- Over-sized micro-channel condenser
- 3 cooling fans

Dual Oil-Free Compressors

- Suitable for all commonly used refrigerants



Brushless DC Technology



Model		VRR36C4		
Refrigerant		Categories III : R12, R134a, R401C, R500, 1234yf Categories IV : R22, R401A, R401B, R402B, R407C, R407D, R408A,R409A,R411A R411B, R412A,R502 R509 Categories V : R402A,R404A,R407A,R407B,R410A,R507,R32		
Power Supply		220-240V~50/60Hz	115V~50/60Hz	
Motor		Brushless DC motor 1.5HP		
Motor Speed		3000 rpm		
Maximal Current Draw		8.5 A	12 A	
Compressor		Oil-less, Air-cooled, Piston style		
Automatic Safety Shut-Off		38.5bar/3850kPa(558psi)		
Recovery Rate (kg/min)		Categories III	Categories IV	Categories V
	Vapor	0.55	0.73	0.72
	Liquid	4.20	5.78	7.63
	Push/pull	8.10	9.00	9.90
Operating Temperature		0 °C-40 °C		
Dimensions		410×275×300 mm		
Weight		19 kg		

VRM-2SN Digital Manifold Gauge II **NEW**



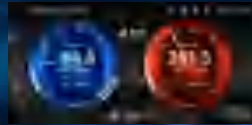
Touch. Read. Master. Introducing VRM-2SN, the next-generation manifold gauge built to elevate your workflow.

The VRM-2SN 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.

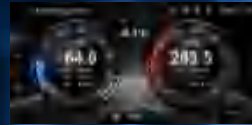
What truly sets VRM-2SN apart is its user-first design. Visualization isn't just about looks — it's about streamlining workflows. Inspired by aviation-grade UI principles, the HD color touchscreen and enhanced interface make all three key functions more intuitive, visual, and precise: Manifold Gauge Mode, Leak Test Mode, and Evacuation Mode with decay test. And because usability goes hand in hand with personalization, VRM-2SN 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.

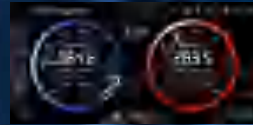
VALUE Classic Theme



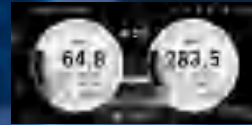
Stellar Theme



Boost Theme



Daylight Theme



VRM-2SN Digital Manifold Gauge II **NEW**

Touch • Read • Master

Precision, Smart and Wireless

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

Multiple Operation Modes

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

Powerful Visual w/ HD Color Interface

- Choose your work style from 4 themes: Classic, Stellar, Boost, Daylight
- Convert data into visuals with enhanced UI
- Self-explanatory interface
- Highly responsive 5.5" touch screen



VRM-2SNV Packaging



Model	VRM-2SN	VRM-2SX	VRM-2SNV
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, R-134A, 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-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-454C, R-458A, R-500, R-501, R-502, R-503, R-507A, R-508B, R-513A, R-600, R-600a, R-601, R-601a, R-1233zd, R-1234yf, R-1234ze OTA upgradable, supports 100 common refrigerants		
Pressure Range	-29.9 inHg to 725 psi		
Bluetooth Range	80 m line of sight		
Power Supply	Rechargeable Li-ion Battery, Type-C Charging Port		
Charging Time (0-100%)	2 h (25°C), 5 h (Slow Charge)		
Accessory	/	VMT-1S (Low Side), VMT-2S (High Side), Charging Cable, VXS-301 Box	VMV1S, VMT-1S (Low Side), VMT-2S (High Side), Charging Cable, VXS-301 Box



VRM1-XN VRM1-Xi

Digital Manifold Gauge **NEW**

HD Color Graphic Manifold Gauge

Cutting-Edge Graphic User Interface (UI)

- Choose your work style from two themes
- Convert data into visuals with enhanced UI
- Visual impact and animation
- Outstanding clarity and readability

Ideal to Replace Multiple Analog Gauges

- Palm-sized 2 valve configuration
- One gauge for 72 refrigerants
- Save money, save space, save time

Multiple Operation Modes

- Manifold Gauge mode with SH/SC display

Digital and Accurate

- Class 0.4 accuracy
- Quick response with real-time display
- Precision at a glance



Daylight Mode



Model	VRM1-XN	VRM1-Xi
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-454C, R-458A, R-500, R-501, R-502, R-503, R-507A, R-508B, R-513A, R-600, R-600a, R-601, R-601a, R-1233zd, R-1234yf, R-1234ze OTA upgradable, supports 100 common refrigerants	
Pressure Range	-29.9 inHg to 725 psi	
Power Supply	Rechargeable 3000mAh Lithium Battery, Type-C Charging Port	
Charging Time (0-100%)	3.5 h	
Accessory	/	VMT-1S (Low Side), VMT-2S (High Side), Charging Cable, Storage Bag



VRM2-X

Digital Manifold Gauge

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

Ideal to Replace Multiple Analog Gauges

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

Digital and Accurate

- Class 0.4 accuracy
- Quick response with real-time display
- Precision at a glance



Daylight Mode



Model	VRM2-X
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-454C, R-458A, R-500, R-501, R-502, R-503, R-507A, R-508B, R-513A, R-600, R-600a, R-601, R-601a, R-1233zd, R-1234yf, R-1234ze
Pressure Range	-29.9 inHg to 725 psi
Power Supply	Rechargeable 3000mAh Lithium Battery, Type-C Charging Port
Charging Time (0-100%)	3.5 h
Accessory	Carry Case

Manifold Gauge

Suitable for R32, R407, R410A,R134a, 1234yf refrigerant

Precision • Impact-Resistant

Impact-resistant

- Impact-Resistant design
- Durable rubber cover

Accurate

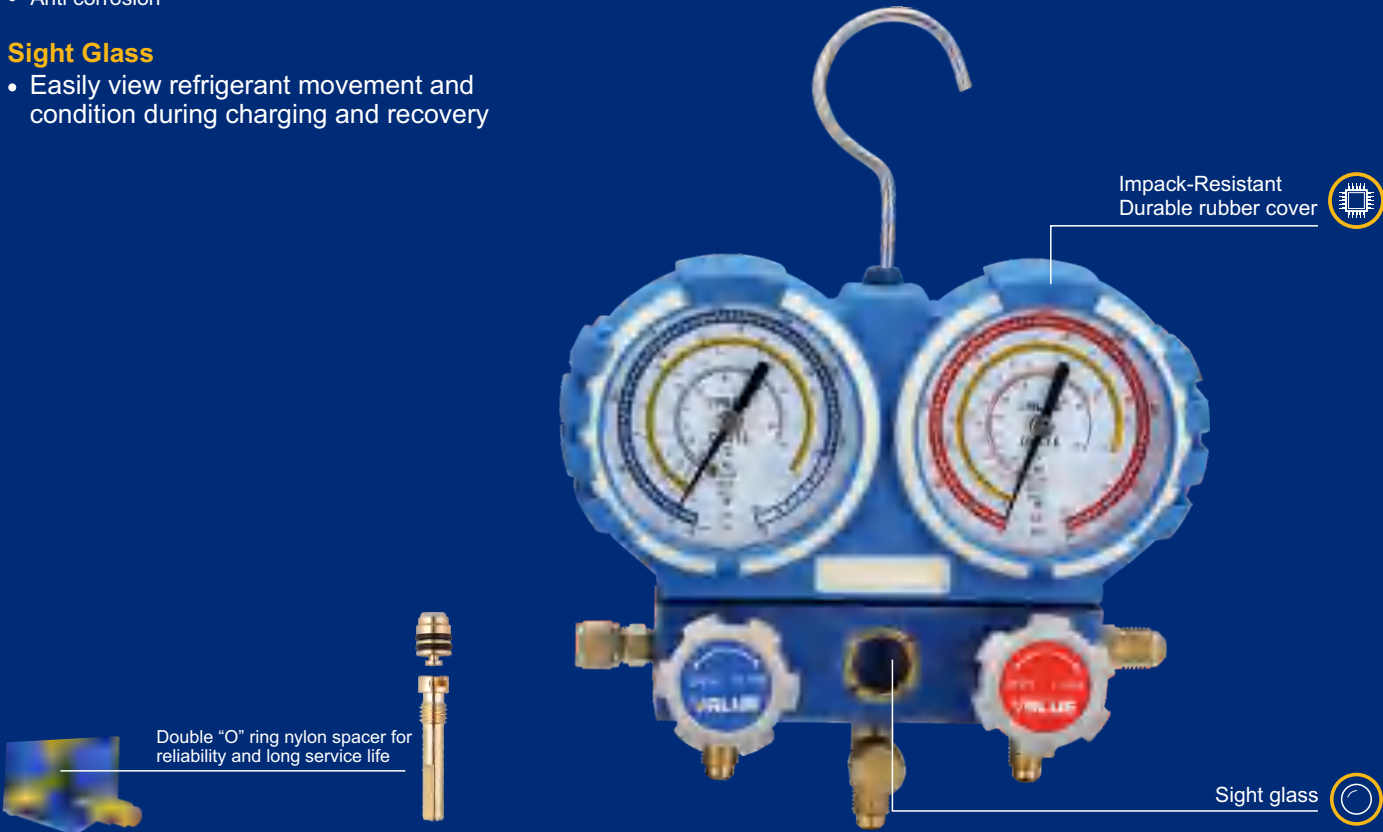
- Precision pressure gauge

Aluminum knob

- Anti corrosion

Sight Glass

- Easily view refrigerant movement and condition during charging and recovery



Model	VMG-2-R32	VMG-2-R32-B-03	VMG-2-1234yf
Refrigerant	R32	R32, R407, R410A, R134a	1234yf
Gauge Diameter	Φ80 mm	Φ68 mm	Φ80 mm
Pressure Scale	-30inHg~800 psi; -30inHg~500 psi		-30inHg~400 psi; -30inHg~130 psi
Hose	Red&Blue: 1/4"-5/16", 2x1pc Yellow: 1/4"-1/4", 1pc	/	Red&Blue: M12X1.5 - M12X1.5, 2X1pc Yellow: M12X1.5 - 1/2" Acme, 1pc
Length	3x120 cm	/	150 cm
Package	Blow Case	Blister packing	Blow Case

Manifold Gauge

VMG-2-R600-B		
Model	VMG-2-R600-B	VMG-2-R600-B-03
Refrigerant	R600, R600a, R290	R600, R600a, R290
Gauge Diameter	Φ68 mm	Φ68 mm
Pressure Scale	-30inHg ~ 435 psi; -30inHg ~ 130 psi	-30inHg ~ 435 psi; -30inHg ~ 130 psi
Hose	Red&Blue&Yellow: 1/4"-1/4", 3x1 pc	/
Length	120 cm	/
Package	Blow Case	Blister packing

VMG-2-R22			
Model	VMG-2-R22	VMG-2-R22-02	VMG-2-R22-03
Refrigerant	R404A, R407C, R134a, R22	R404A, R407C, R134a, R22	R404A, R407C, R134a, R22
Gauge Diameter	Φ80 mm	Φ80 mm	Φ80 mm
Pressure Scale	-30inHg ~ 400 psi; -30inHg ~ 140 psi	-30inHg ~ 400 psi; -30inHg ~ 140 psi	-30inHg ~ 400 psi; -30inHg ~ 140 psi
Hose	Red&Blue&Yellow: 1/4"-1/4", 3x1 pc	Red&Blue&Yellow: 1/4"-1/4", 3x1 pc	/
Length	120 cm	120 cm	/
Package	Blow Case	Blister packing	Blister packing

Model	VMG-2-R22-B	VMG-2-R22-B-02	VMG-2-R22-B-03	
Refrigerant	R404A, R407C, R134a, R22	R404A, R407C, R134a, R22	R404A, R407C, R134a, R22	
Gauge Diameter	Φ68 mm	Φ68 mm	Φ68 mm	
Pressure Scale	-30inHg ~ 400 psi; -30inHg ~ 140 psi	-30inHg ~ 400 psi; -30inHg ~ 140 psi	-30inHg ~ 400 psi; -30inHg ~ 140 psi	
Hose	Red&Blue&Yellow: 1/4"-1/4", 3x1 pc	Red&Blue&Yellow: 1/4"-1/4", 3x1 pc	/	
Length	120 cm	120 cm	/	
Package	Blow Case	Blister packing	Blister packing	

VMG-2-R410A					
Model	VMG-2-R410A	VMG-2-R410A-02	VMG-2-R410A-03	VMG-2-R410A-04	VMG-2-R410A-05
Refrigerant	R410A	R410A, R407C, R134a, R22			R410A, R407C, R404A, R134a
Gauge Diameter	Φ80 mm				
Pressure Scale	0~800 psi; -30inHg ~ 500 psi				
Hose	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc With 2 pcs adapters	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc	/	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc
Length	150 cm				
Package	Blow case	Blow case	Blister packing	Blister packing	Blister packing

Model	VMG-2-R410A-B	VMG-2-R410A-B-02	VMG-2-R410A-B-03
Refrigerant	R410A, R407C, R134a, R22	R410A, R407C, R134a, R22	R410A, R407C, R134a, R22
Gauge Diameter	Φ68 mm	Φ68 mm	Φ68 mm
Pressure Scale	0 ~ 800 psi; -30 ~ 500 psi	0 ~ 800 psi; -30inHg ~ 500 psi	0 ~ 800 psi; -30inHg ~ 500 psi
Hose	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc	/
Standard Length	120 cm	120 cm	/
Package	Blow case	Blister packing	Blister packing

NOTICE: All information listed above is standard size, if you require other size, please appoint in the order.

VRP-L-S Series

Low Loss Refrigerant Hose **NEW**

Safe • Designed to Last

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

3-layer anti-sweeping refrigerant hose

Pure copper connector



VVL-1 Low loss Connector
(optional)



Patented Needle-Bearing Design

Model	VRP-L-R	VRP-L-Y	VRP-L-B	VRP-L-S
Color	1 Hose, Red	1 Hose, Yellow	1 Hose, Blue	3 Hoses, Red, Yellow, Blue
Working pressure	0~800 psi	0~800 psi	0~800 psi	0~800 psi
Connector	1/4"-1/4"	1/4"-1/4"	1/4"-1/4"	1/4"-1/4"
Length	150 cm	150 cm	150 cm	3 x 150 cm

VHF Series

Quick Coupler

Quick-connect

Easy to Use

- Automatically lock, one-step connection

Durable

- High strength, high pressure resistance
- Long service life

High Oil-resistance, Anti-seeping

- 3-layer reinforce refrigerant tube, Effective avoid seeping
- Longitudinal die-casting seal, prevent leakage of connector



VHF quick couples series

Model	VHF-SA	VHF-SB	VHF-SC	VHF-SY
Description	1/4" SAE	M14 × 1.5	3/8" SAE	M12 × 1.5



VRS2A

Smart Refrigerant Scale

Smart Refrigerant Charging & Recovery

- Bluetooth Connectivity**
 - Works wirelessly with Hi VALUE App and VSV1 smart valve
 - Automatic charging & recovery
- Precision System Charge**
 - Precise measurement at 0.05% accuracy
 - Low latency for real-time readings
- Integrated Handle Design**
 - Easy to carry
 - Handheld device included



Model	VRS2A
Maximum load	100 kg
Accuracy	0.05%F.S
Resolution	5 g
Battery Type	4 × AA (Scale), 4 × AAA (Handheld)
Battery Operating Time	Scale: 100 hours; Handheld device: 100 hours
Weight	2 kg
Accessory	Carry bag



VSV1

Smart Refrigerant Valve

Smart Refrigerant Flow Control

- Bluetooth Connectivity**
 - Works wirelessly with Hi VALUE App and VRS2A refrigerant scale
- Precision Task Management**
 - Automatic charging & recovery
 - Fast, low-latency operation
- Smart Operation Solenoid Valve**
 - Status Indicator for Flow, Bluetooth Connection, and Power

- Rechargeable Lithium Battery**
 - Up to 60 hours battery life
 - Battery indicator



Model	VSV1
Maximum Working Pressure	551 psi (38bar)
Ports	1/12"
Operating Environment	-10~50°C
Storage Temperature	-10~50°C
Power Supply	Rechargeable 1000mAh Lithium Battery, Type-C Charging Port
Charging Time (0-100%)	2.5 h
Rechargeable Battery Operating Time	60 h
Bluetooth Range	30 m
Dimensions	121×92×47.5 mm
Unit Weight	0.6 kg
Accessory	Carry bag

VET-19Li-S Cordless Flaring Tool

Weighing less than three pounds, the new Model VET-19Li-S Cordless Flaring Tool produces precise, automatic flares in a fraction of the time compared to traditional flaring methods. VALUE's new cordless flaring solution makes flaring faster and far simpler without sacrificing accuracy or consistency. Offering easy flare connectivity, it can create flares in five sizes, ranging from 1/4" to 3/4". Designed to perform reliably in harsh environments, the VET-19Li-S Cordless Flaring Tool is your ideal flaring solution for mini-split ACs and VRF systems.

Leading Technology, Superior quality, Best Experience

Making Your Job More Enjoyable



VET-19Li-S Cordless Flaring Tool

Quick Accurate Flaring

Easy Flaring

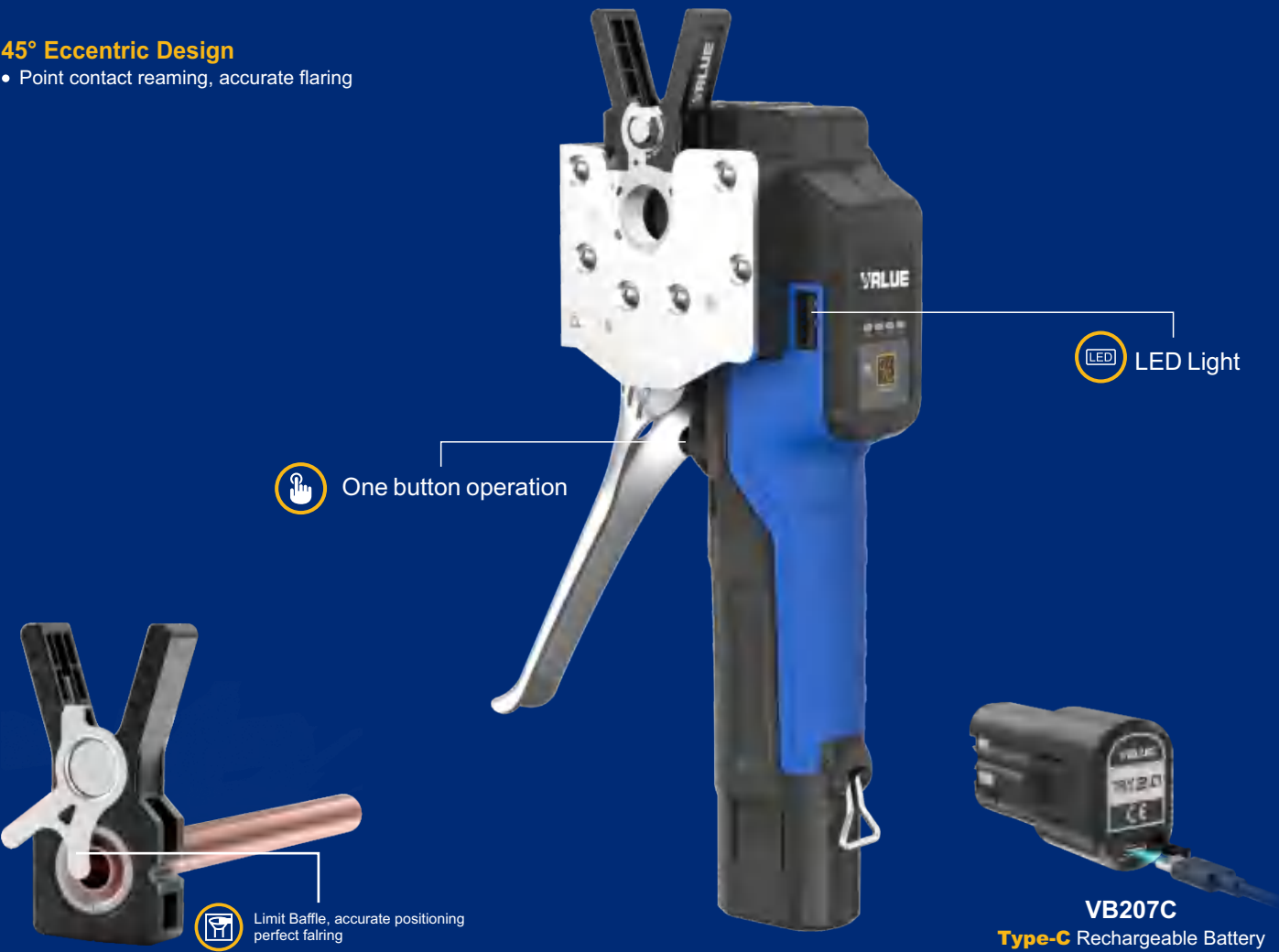
- Lithium-driven
- One-key operation, and high efficiency

Innovative Clamp

- Quick assembling
- Accurate positioning, perfect flaring

45° Eccentric Design

- Point contact reaming, accurate flaring



Model	VET-19Li-S
Battery	7.2V Li-battery
Charging Time (0-100%)	45 min
Applicable Pipe	Copper pipe
Tubing O.D.	1/4", 3/8", 1/2", 5/8" (16 mm), 3/4" (19 mm) Options (6 mm, 10 mm, 12 mm)
Dimensions	252x101x100mm
Weight	1.5 kg (with battery)



VTE-29D-S
VTE-42D-S
Power Tube Expander

Get the job done quickly with the VTE-29D-S/42D-S Power Tube Expander. Expand a tube in 12 seconds by pressing one button. The long-lasting rechargeable lithium battery allows up to 200 expansions on a single charge.

Leading Technology, Superior quality, Best Experience
Making Your Job More Enjoyable

VTE-29D-S
VTE-42D-S
Power Tube Expander

Effortless, Quick & Accurate Expanding

Effortless Tube Expansion

- Lithium-driven
- One-button operation, and high efficiency

Quick Connect Head

- Quick connect heads

Automatic pressure relief

- Expander head automatically retracts once expansion is complete



Model	VTE-29D-S	VTE-42D-S
Battery	7.2V Li-battery	7.2V Li-battery
Charging Time (0-100%)	45 min	45 min
Applicable Pipe	Copper pipe	Copper pipe
Tubing O.D.	1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"	1/4", 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"
Dimensions	302x104x242 mm	302x104x242 mm
Weight	2.5 kg (with battery)	4 kg (with battery)

VTB-22L-S
Power Tube Bender

It is a tough and frustrating job for HVAC Service Techs when bending large diameter tubes, which consumes tremendous labor work while needs precise focus on bending angles. Furthermore, to get the tube out of a traditional bender mandrel is another frustrating moment. Suitable for tubing sizing 1/4" to 7/8" OD, VALUE VTB-22L-S saves tons of your time and labor, and makes the job much easier. By pressing a single controller switch, you can bend the tube to any desired angle. When a bend is completed, the baffle will push the tube out automatically while tool resets, helping you to remove the tube effortlessly. Its large capacity lithium battery makes around 90 bends each charge and can be fully charged in 45 minutes. Reverse bending kit VTBRK is available and sold separately.

Leading Technology, Superior quality, Best Experience
Making Your Job More Enjoyable



VTB-22L-S
Power Tube Bender

Industry's First Power Tube Bender

Battery-Driven Effortless Bending

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

Patented Tubing Size Selector

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

Easy Operation

- Ergonomic handle design
- Stop any time for customized angles



VTBRK Reverse Bending
Attachment Kit (Sold Separately)

VB207C
Type-C Rechargeable Battery

Model	VTB-22L-S
Battery Type	7.2V Li-ion Battery
Charging Time (0-100%)	45 min
Tubing Type	Soft (HVACR) Copper
Tube OD	1/4"(6mm), 5/16"(8mm), 3/8"(10mm), 1/2"(12mm), 5/8"(16mm), 3/4"(19mm), 7/8"(22mm)
Weight	2.8 kg (with battery)

VFT-808UA Series Flaring Tool

Easy Tube Flaring

Light

- Lightweight Aluminum Body

Accurate Flaring

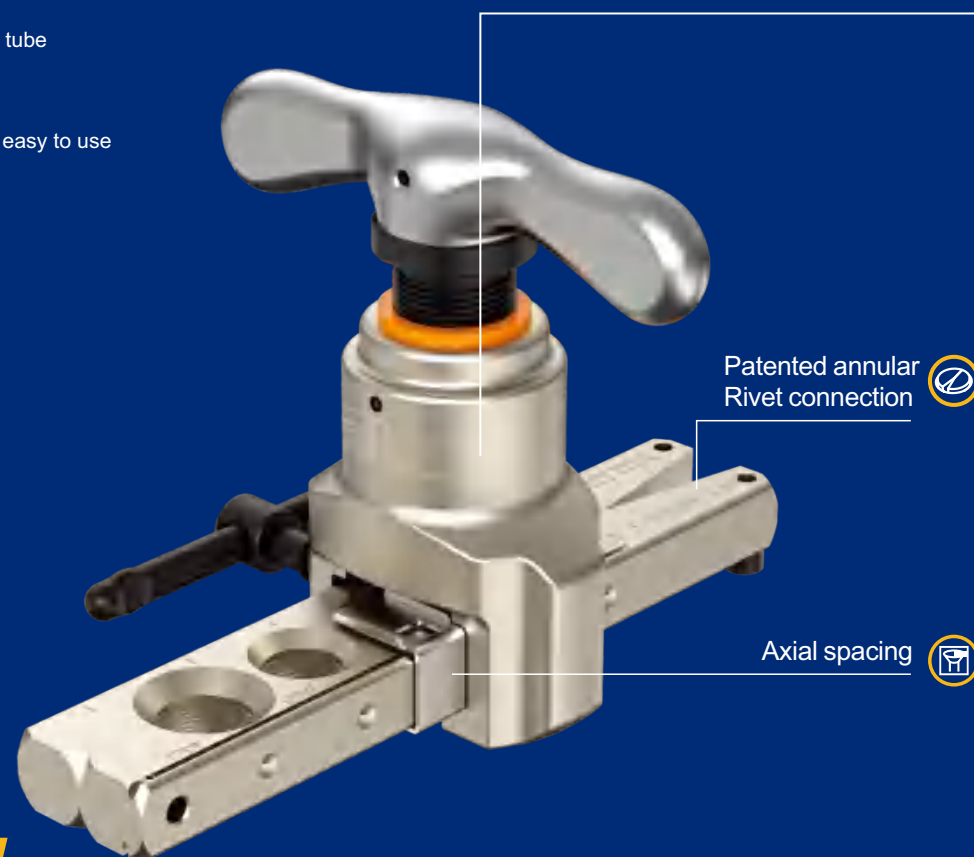
- Sliding Limit Stop Design ensures more precise flaring dimensions of the copper tube

45° Eccentric design

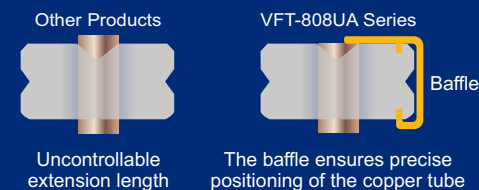
- Point contact flare, dimension standard, easy to use



LIGHT WEIGHT



Only 0.8kg



Model	Tubing O.D.	Accessory
VFT-808UA-I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/
VFT-808UA-MI	1/4", 5/16", 3/8", 1/2", 5/8", 3/4" 6, 9, 10, 12, 16, 19mm	/
VFT-808UA-MIS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4" 6, 9, 10, 12, 16, 19mm	VTC-32

VFT-808E Series Hand or Drill-Powered Flaring Tool

Accurate Flaring

Hand or Drill-Powered

- Easy to use

Axial Spacing

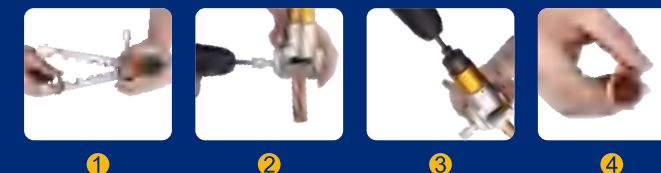
- Accurate and consistent flaring

45° Eccentric design

- Point contact flare, dimension standard, easy to use



DRILL POWERED



Model	Tubing O.D.	Accessory	Packaging
VFT-808E-I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-808E-IS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-32	Blow case
VFT-808E-MI	6, 9, 10, 12, 16, 19mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-808E-MIS	6, 9, 10, 12, 16, 19mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-32	Blow case

VHE Series

Hydraulic Tube Expander

Easy To Expand

Hydraulic Expander

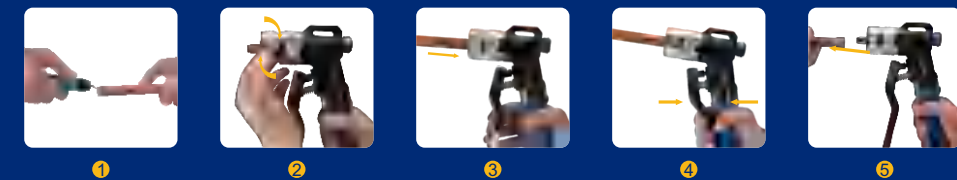
- One hand operation
- Suitable for larger diameter copper

Compact

- Convenient for narrow spaces
- Easy to use

Quick connect heads

- Patented expander head, 180° quick locking



Model	Tube O.D.	Accessory
VHE-29D	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"	VTT-5 VTC-32
VHE-29DM	10, 12, 15, 16, 18, 22, 28 mm	VTT-5 VTC-32
VHE-29E	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"	/
VHE-29EM	10, 12, 15, 16, 18, 22, 28 mm	/
VHE-42E	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"	/
VHE-42EM	10, 12, 15, 16, 18, 22, 28, 35, 42 mm	/

VST-22/22B

Tube Expander

Easy To Expand

Easy to Use

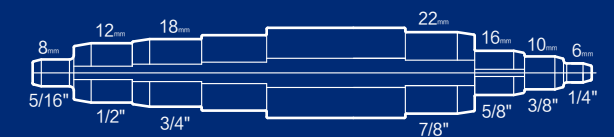
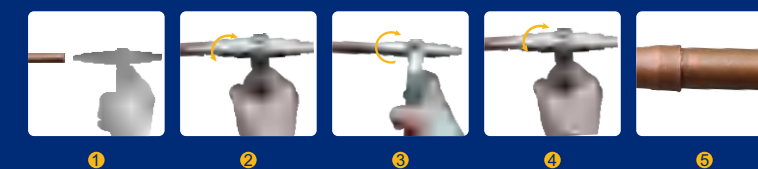
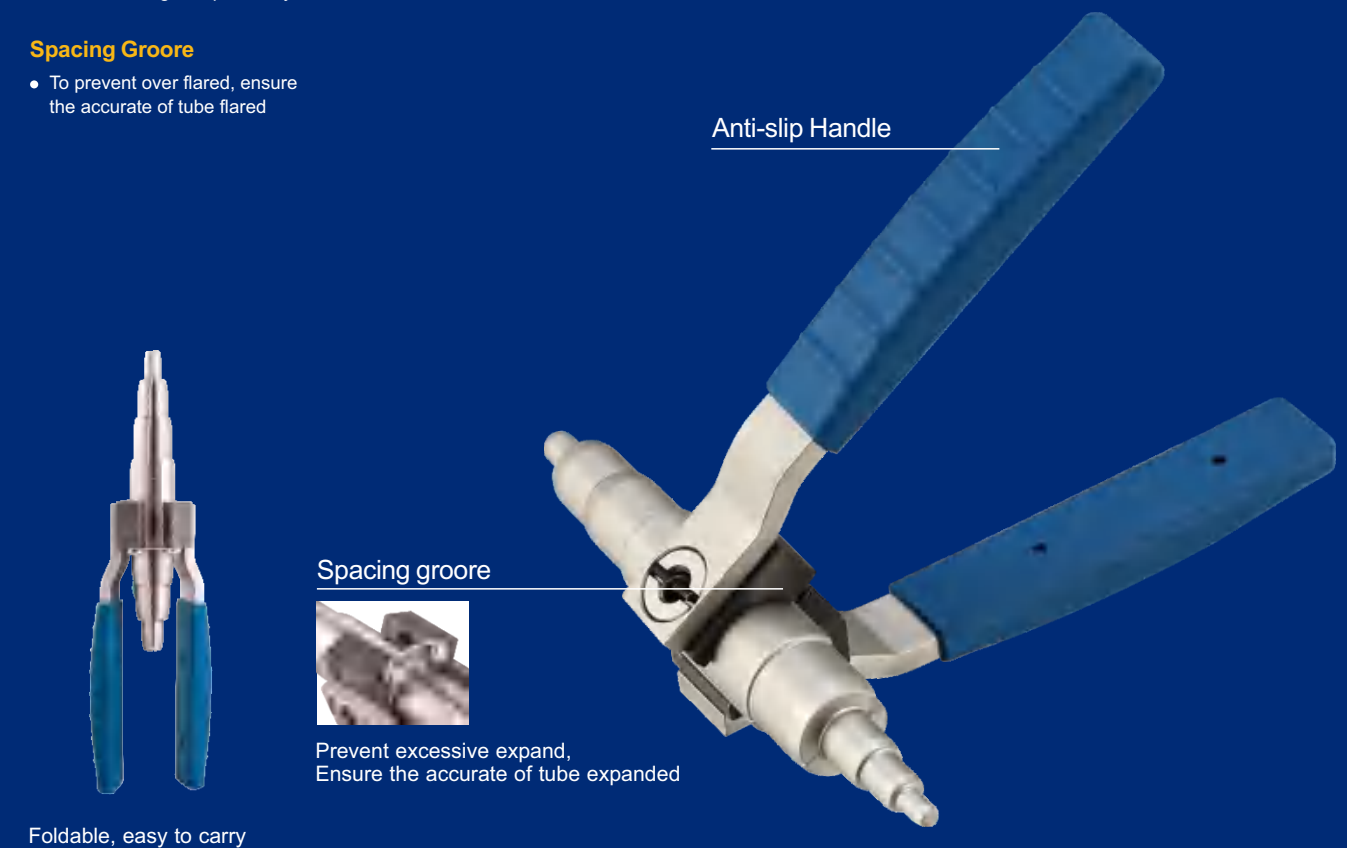
- Simple structure for expanding copper tubing

Easy to Carry

- Foldable design for portability

Spacing Groove

- To prevent over flared, ensure the accurate of tube flared



Model	VST-22	VST-22B
Tube O.D.	3/8", 1/2", 5/8", 3/4", 7/8" 10, 12, 16, 18, 22 mm	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8" 6, 8, 10, 12, 16, 18, 22 mm

VBT-CB1/CB1R 7 in 1 Tube Bender

Easy To Bend

- 7 in 1
 - 7 size in one selector
easy to switch to different tubing size
- Easy to bend
 - Ergonomic handle design
Easy to bend
- Easy to release
 - One key rotation,
the copper pipe is easy to release

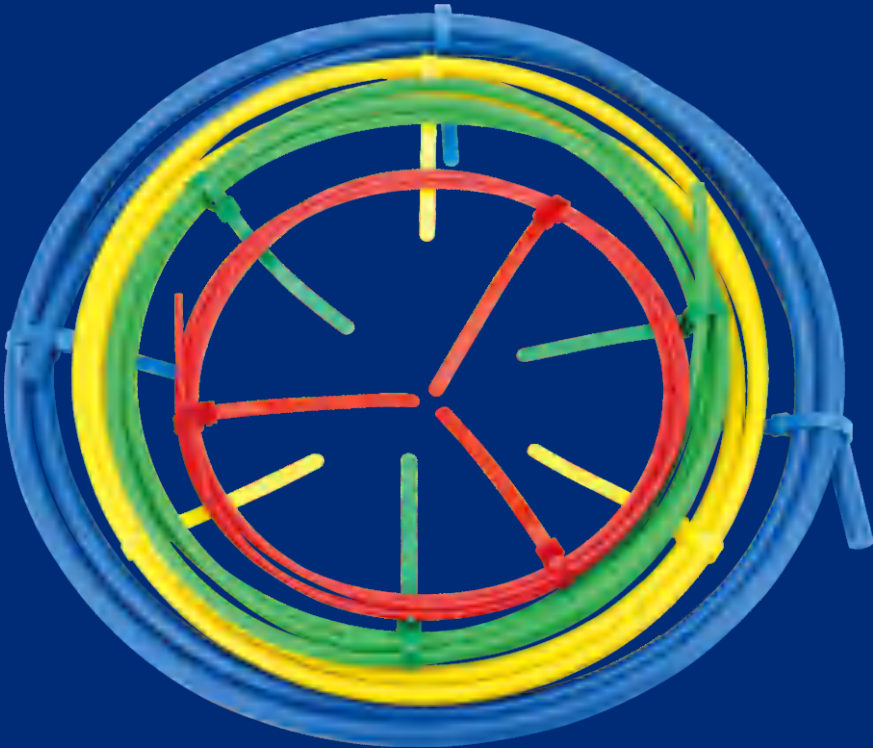


Model	VBT-CB1	VBT-CB1R
Bending Size	1/4"(6mm), 5/16"(8mm), 3/8"(10mm), 1/2"(12mm), 5/8"(16mm), 3/4"(19mm), 7/8"(22mm)	
Bending Angle	0~90°	
Applicable Material	Soft pipes	
Accessory	/	VTBRK(Reverse Bending Attachment Kit)
Weight	3.4 kg	4.4 kg

VBT-3S/4S PE Bending Strip

Flexible · Recyclability

- Flexible construction.
- No more faulty pipe bendings.
- Reusable product made of durable material.
- 4 sizes for most MiniSplit/VRF applications.



Model	VBT-3S				VBT-4S			
Length	3 m				4 m			
Color	Red	Green	Yellow	Blue	Red	Green	Yellow	Blue
Diameter	4mm	7mm	9mm	12mm	4mm	7mm	9mm	12mm
Applicable Copper Tube Size	1/4", 6mm	3/8", 10mm	1/2", 12mm	5/8"m 16mm	1/4", 6mm	3/8", 10mm	1/2", 12mm	5/8"m 16mm

VTC Series Tube Cutter

Easy to Cut

High-Quality Cutting Blade

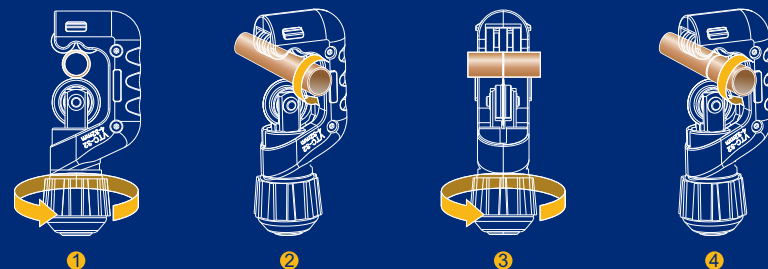
- Sharp and durable

Ball Bearing

- Easy cutting and better quality

Aluminum Alloy

- Light weight, easy to carry and use



Model	VTC-19	VTC-32	VTC-35	VTC-42	VTC-70
Tube O.D.	1/8"~3/4" 3~19 mm	1/8"~1-1/4" 4~32 mm	1/8"~1-3/8" 4~35 mm	1/4"~1-5/8" 6~42 mm	1/4"~2-5/8" 6~67 mm

VTT-5B Tube Deburring

Easy to Deburr

Compact Design

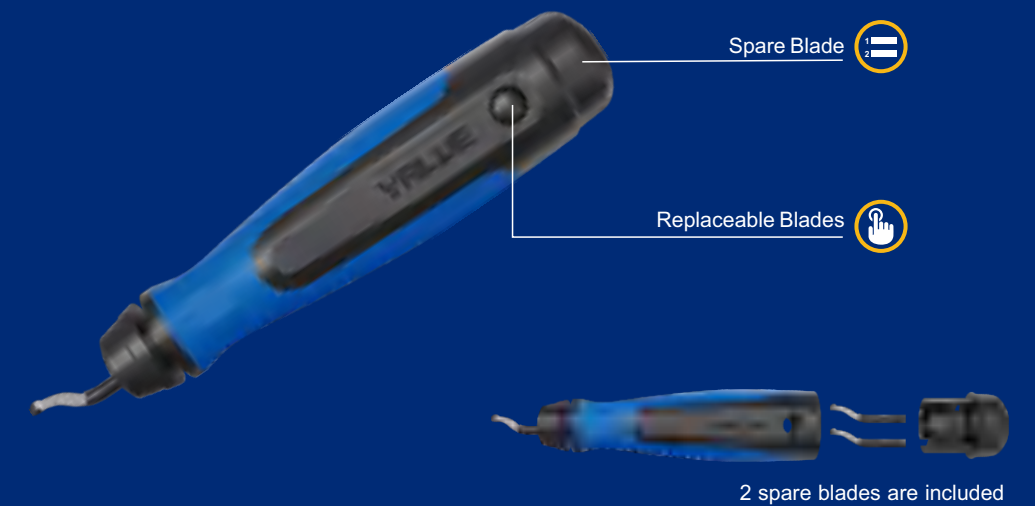
- Easy to carry

Spare Blade

- 2 spare blades are included

Replaceable Blades

- Easy to change blade



VRT-101 Capillary Tube Plier

Easy to Shear

Sharp Blade

- Excellent stainless steel blade, easy to shear capillary

Spacing Spring

- Easy to use

Anti-slip Handle

- Power holding, anti-slip, easy to shear



VML-1B Leak Detector

Precise Measurement

Ergonomic Design

- Easy to carry

Semiconductor Sensor

- Precise measurement
- Extended service life

External Power Supply

- Extended use



 Heating Semiconductor Sensor

 External Power Supply

Model	VML-1B
Suitable for refrigerant	CFC, HCFC, HFC refrigerant
Minimum of leakage	≤3g/year (R134A)
Response time	≤3s (regarding the size and distance of source of leaks)
Life time of battery	≥8 hours
Charging Time (0-100%)	≤4.5 h
Pressure of system under test	≥50 kPa
Life time of sensor	≥ 1 year under normal usage
Power	5 V
Calibration	auto
Weight	350 g
Length of probe	40 cm

VSM1 Bluetooth Manometer with Digital Display

NEW

Precision Air Pressure Measurement

Bluetooth Connectivity

- Works wirelessly with Hi VALUE App

Large Digital Display

- Onboard static pressure
- Works with or without Hi VALUE App
Easy and accurate reading

Universal Temperature Clamp

- Easy-to-Switch Knob, suitable for multiple pressure measuring points

Accuracy and Fast Response

- High accuracy sensor
- One-button operation



Bluetooth Connectivity 

 One Button Operation



Easy-to-Switch Knob



Compatible with Hi VALUE App

Model	VSM1
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	-20 ~ 50°C, Relative Humidity<75%
Bluetooth Range	164 ft (50m) line of sight
Power Supply	Rechargeable 1200mAh Lithium Battery, Type-C Charging Port
Charging Time (0-100%)	2 h
Rechargeable Battery Operating Time	150 h
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	155 g
Accessory	Soft tube with brass adapter, static pressure probe with tube, gas detection adapter

VSH1

Bluetooth Psychrometer with Digital Display

Precision Humidity Measurement

Bluetooth Connectivity

- Works wirelessly with Hi VALUE App

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)

Accuracy and Fast Response

- High accuracy sensor
- One-button operation



Model	VSH1
Measurement Range	Humidity: 0~100% RH / Temp: -20~125°C
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 ±25°C), ±5.0%RH (<10%RH or >90%RH) (at ±25°C) Temperature: ±0.8°C (-20~0°C), ±0.5°C (0~60°C), ±0.8°C (60~120°C)
Resolution	0.1%RH, 0.1°C
Sensor Type	Humidity: Capacitive Polymer Film, Temperature: Precision Thermistor
Response Time	10 seconds
Bluetooth Range	50 m
Power Supply	Rechargeable 1200mAh Lithium Battery, Type-C Charging Port
Charging Time (0-100%)	2 h
Rechargeable Battery Operating Time	Screen off: >150h; Screen on: >40h
Wireless Frequency	2.4 GHz
Auto Power Off (APO)	2 hours (can be disabled)
Flexible Probe	Length: 200 mm,Diameter: 10 mm
Minimum Device Requirement	BLE4.0 or above, Android 7.0.0 or above, Apple iOS 12.0 or above
Unit Weight	175 g
Accessory	Carry bag

VSP1

Bluetooth Pressure Probe with Digital Display

Precision Pressure Measurement

Bluetooth Connectivity

- Works wirelessly with Hi VALUE App

Universal Temperature Clamp

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

Large Digital Display

- Standalone use as a digital pressure probe
- Works with or without Hi VALUE App
- Easy and accurate reading

Smart Functions

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



Model	VSP1
Measurement Range	-29~725 psi
Maximum Overload Pressure	725 psi (5000 kPa)
Accuracy	±0.5% of full range
Resolution	0.01 psi
Sensor Type	Ceramic pressure sensor
Bluetooth Range	50 m
Power Supply	Rechargeable 1200mAh Lithium Battery, Type-C Charging Port
Charging Time (0-100%)	2 h
Rechargeable Battery Operating Time	Screen off: >150h; 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	250 g
Accessory	Carry bag

M1/M2

Condensate Pump

Ultra-Quiet, Reliable

Ultra-Quiet DC motor

- Quiet operation

Water Pipe Isolates from PCB

- Anti-leakage & Anti-short circuit

Large Capacity Tank

- Reducing work times and extending life

Easy Maintenance

- Snap-on structure, easy disassembling and cleaning of water tank



Electrode water level sensor

Model	M1	M2
Voltage	100-240V/50-60Hz	100-240V/50-60Hz
Discharge head (Max.)	12m / 39ft	12m / 39ft
Flow rate (Max.)	24L/h 6.4 US GPH	40L/h 10.6 US GPH
Effective water tank capacity	200ml	200ml
Unit output (Max.)	9kW 30000btu/h	13kW 45000btu/h
Noise at 1m	19dB(A)	21dB(A)
Applicable ambient temperature	0~50°C	0~50°C

S1/S2

Mini Condensate Pump

Ultra-Quiet, Reliable

Ultra-Quiet DC motor

- Quiet operation

Built-in Filter

- Effectively filter impurities and prevent blockage

Water Pipe Isolates from PCB

- Anti-leakage & Anti-short circuit



Electrode water level sensor

Model	S1	S2
Voltage	100-240V/50-60Hz	100-240V/50-60Hz
Discharge head (Max.)	10m / 33ft	10m / 33ft
Flow rate (Max.)	24L/h 6.4 US GPH	40L/h 10.6 US GPH
Effective water tank capacity	50ml	50ml
Unit output (Max.)	9kW 30000btu/h	13kW 45000btu/h
Noise at 1m	19dB(A)	21dB(A)
Applicable ambient temperature	0~50°C	0~50°C

S mini
Condensate Pump

Ultra-Quiet, Reliable

Ultra-Quiet DC motor

- Quiet operation

Built-in Filter

- Effectively filter impurities and prevent blockage

Water Pipe Isolates from PCB

- Anti-leakage & Anti-short circuit

Mini Design



Model	S mini
Voltage	100-240V~50/60Hz
Discharge head (Max.)	10 m / 32 ft
Flow rate (Max.)	18 L/h 4.8 US GPH
Effective water tank capacity	50 ml
Unit output (Max.)	9 kW 30000btu/h
Noise at 1m	19 dB(A)
Ambient temperature range	2~50°C

L mini/L1
Corner Condensate Pump

Ultra-Quiet, Reliable

Ultra-Quiet DC motor

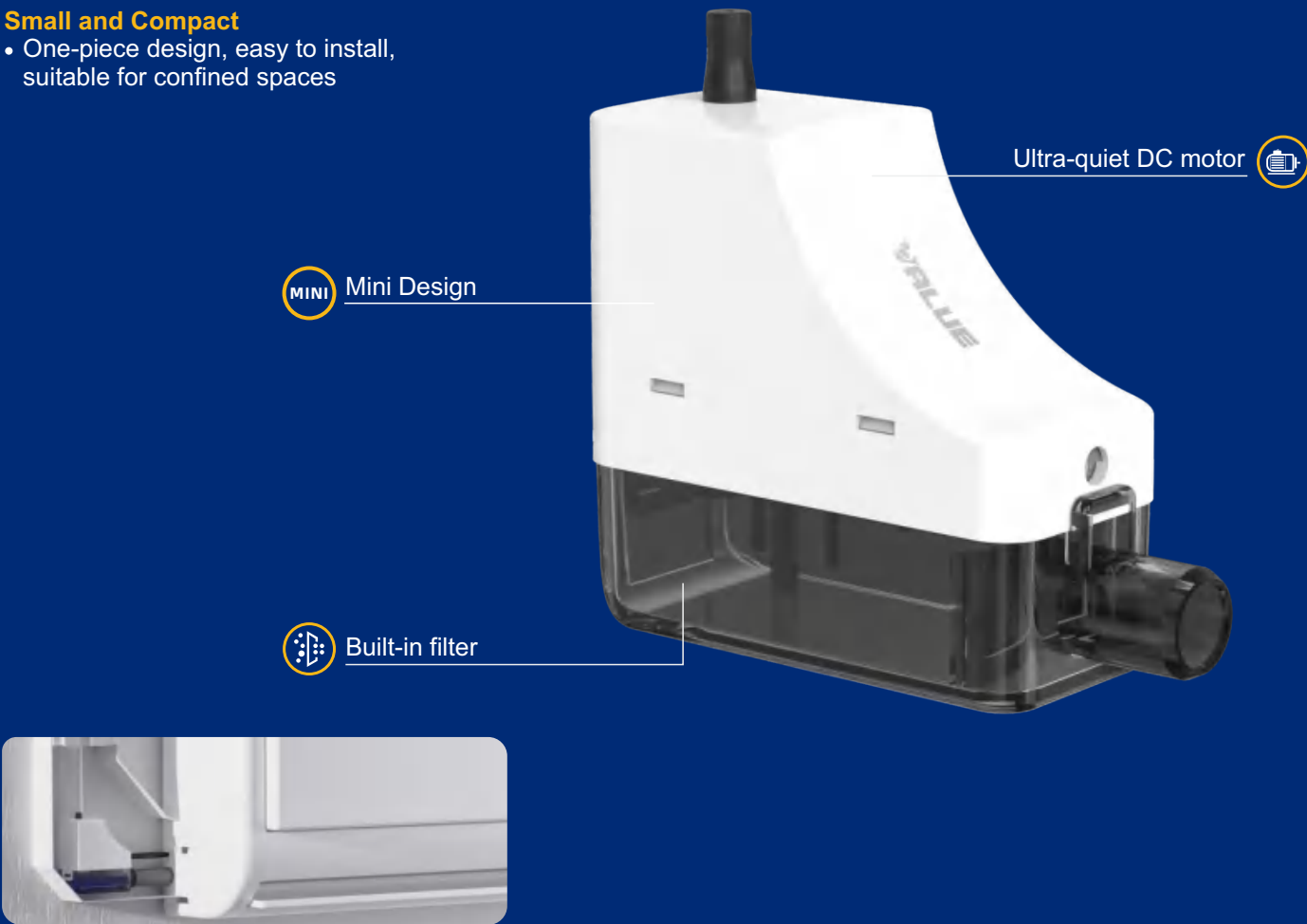
- Quiet operation

Built-in Filter

- Effectively filter impurities and prevent blockage

Small and Compact

- One-piece design, easy to install, suitable for confined spaces



Model	L mini	L1
Voltage	100-240V~50-60Hz	100-240V~50-60Hz
Discharge head (Max.)	10 m / 32 ft	10 m / 32 ft
Flow rate (Max.)	18 L/h 4.8 US GPH	24 L/h 6.4 US GPH
Effective water tank capacity	50 ml	50 ml
Unit output (Max.)	9 kW 30000btu/h	9 kW 30000btu/h
Noise at 1m	19 dB(A)	19 dB(A)
Ambient temperature range	2~50°C	2~50°C

A2/A3

Tank Pump **NEW**

Smart and Automatic Condensate Management

Automatic Condensate Collection

- Durable centrifugal pump
- 8m maximum lift
- Brushless DC motor
- Rated for condensate water up to 70° C

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

Easy Maintenance

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



Model	A2	A3
Power Supply	100-240V / 50-60 Hz	100-240V / 50-60 Hz
Flow Rate	400 L/h	600 L/h
Max. Lift	7 m / 23 ft	8 m / 26 ft
Water Tank Capacity	2 L	2 L
Noise Level at 1 meter	45 dB(A)	45 dB(A)
Applicable Ambient Temperature	2~50 °C	2~50 °C
IP Protection	IP24	IP24

VCB Series

Portable Backpack Cleaning Machine **NEW**

Portable Cleaning

Backpack Design

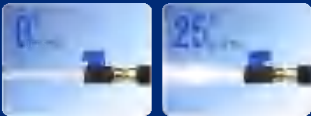
- Ergonomic, dual-shoulder harness design for fatigue-free use even during extended periods

High Environmental Adaptability

- Powered by a lithium battery + built-in water tank

Flexible & Thorough Cleaning

- Supports 0° jet spray and 25° fan spray
- Switch easily with the nozzle knob for more thorough cleaning



Backpack Design



Model	VCB-1	VCB-1Li	VCB-1S
Li-ion Battery	18V (20V Max) 4Ah 72Wh		
Charging Time (0-100%)	150 min		
Running Time	70 min		
Cleaning pressure	4.5 bar / 6.5 bar		
Protection pressure	9~10 bar		
Operating conditions	0~50 °C		
Noise	≤ 65 dB(A)		
Dimension	175x330x450 mm		
Standard configuration	1*Bare Unit + 1*Spray Gun + 2*Water tank (8L) + 1*Extension Pole		
Accessory	/	Li-ion Battery	Li-ion Battery + Cleaning Cover
Weight	5.4 kg	6.1 kg	7.4 kg